

Nancy Ma  
10/22/10 15:31

## Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\101910\VU28440.D\dad1b.ch Vial: 51  
Acq On : 19-Oct-2010, 18:47:14 Operator: caobinz  
Sample : ecc1253-20,form 20 Inst : G1315A  
Misc : op22971,gvul286,500,,,1 Multiplr: 1.00  
IntFile : rteint.p

Data File : D:\HPLC2\DATA\101910\VU28440.D\dad1a.ch Vial: 51  
Acq On : 19-Oct-2010, 18:47:14 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p

Quant Time: Oct 20 16:19 2010 Quant Results File: FM101910.RES

Quant Method : D:\HPLC2\METHODS\FM101910.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	13.38	13.38	373159	662406	17.159m	17.171m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 34.32%	34.34%
Target Compounds						
1) Formaldehyde	8.06	8.06	578782	1616329	17.429m	17.696m
2) Acetaldehyde	9.02	9.01	847856	1784487	15.934m	16.836m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
VU28440.D FM101910.M Wed Oct 20 16:21:43 2010 RPT1

## Quantitation Report

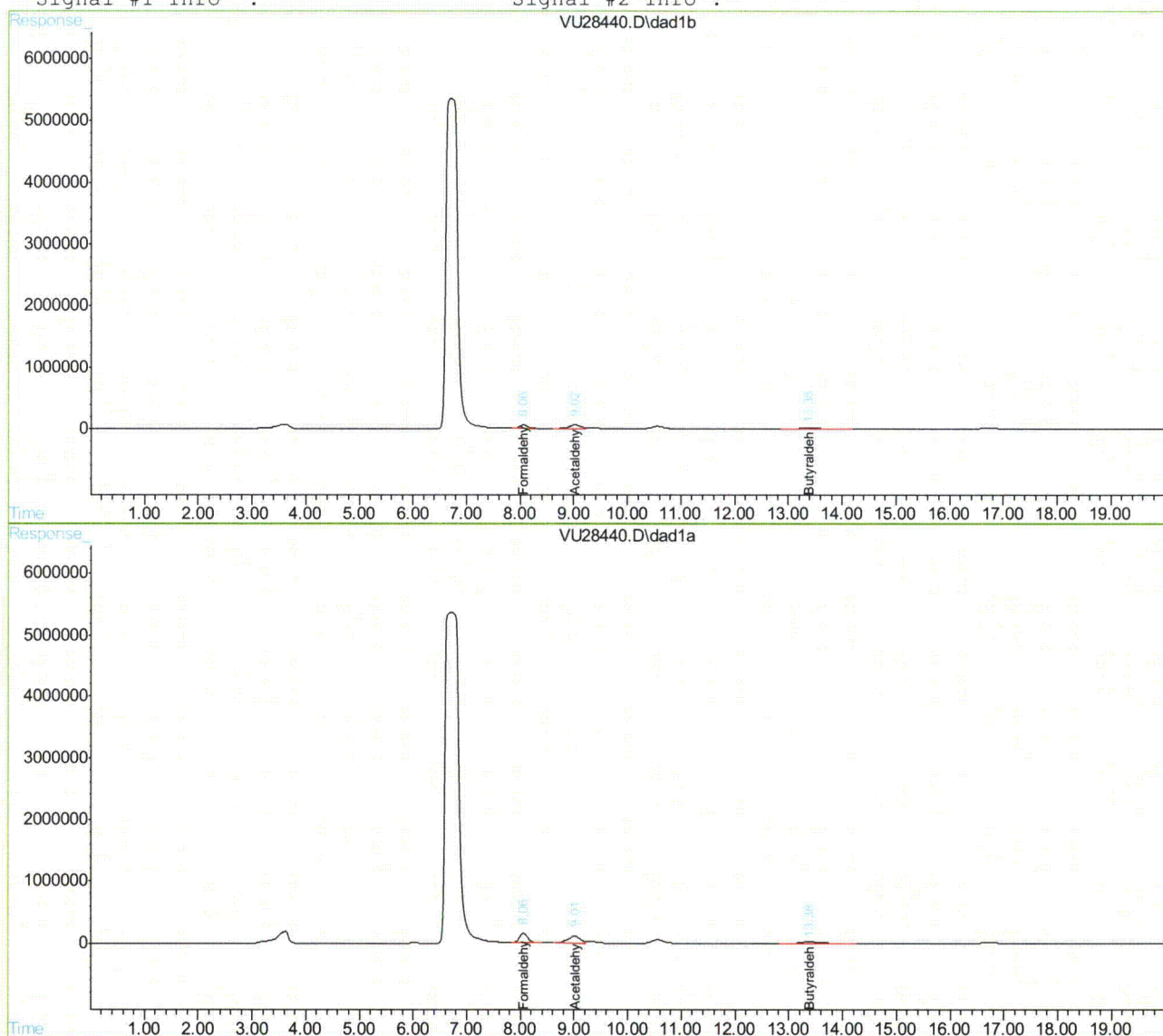
Data File : D:\HPLC2\DATA\101910\VU28440.D\dad1b.ch Vial: 51  
Acq On : 19-Oct-2010, 18:47:14 Operator: caobinz  
Sample : ecc1253-20, form 20 Inst : G1315A  
Misc : op22971, gvu1286, 500, , , 1 Multiplr: 1.00  
IntFile : rteint.p

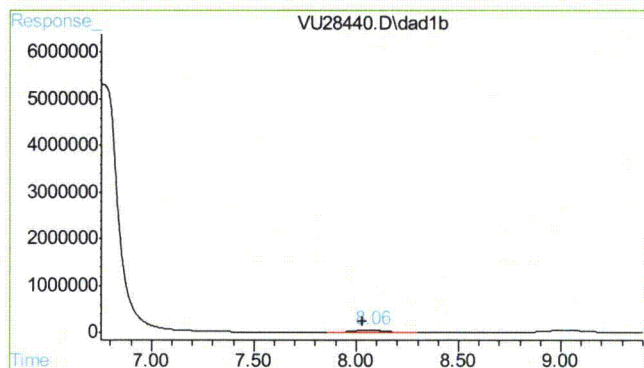
Data File : D:\HPLC2\DATA\101910\VU28440.D\dad1a.ch Vial: 51  
Acq On : 19-Oct-2010, 18:47:14 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p

Quant Time: Oct 20 16:19 2010 Quant Results File: FM101910.RES

Quant Method : D:\HPLC2\METHODS\FM101910.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

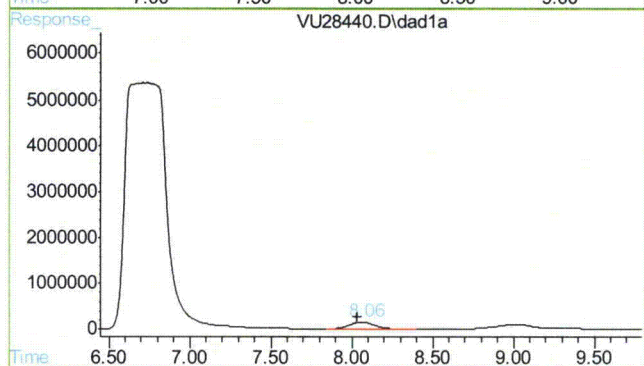
Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :





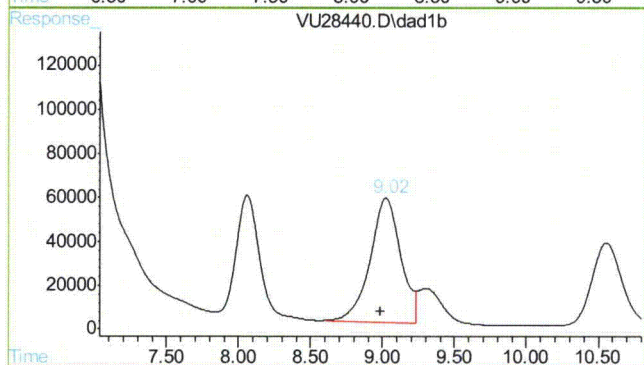
#1 Formaldehyde

R.T.: 8.059 min  
Delta R.T.: 0.027 min  
Response: 578782  
Conc: 17.43 ppm m



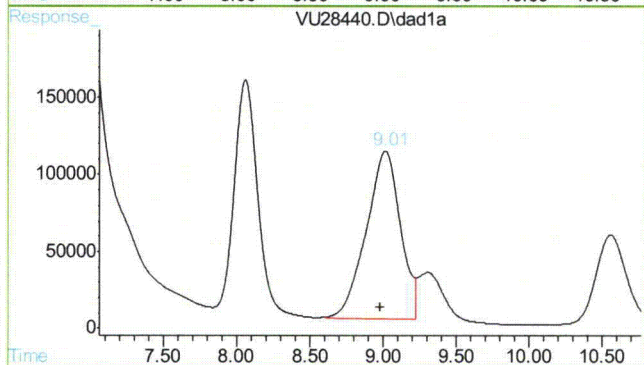
#1 Formaldehyde

R.T.: 8.059 min  
Delta R.T.: 0.027 min  
Response: 1616329  
Conc: 17.70 ppm m



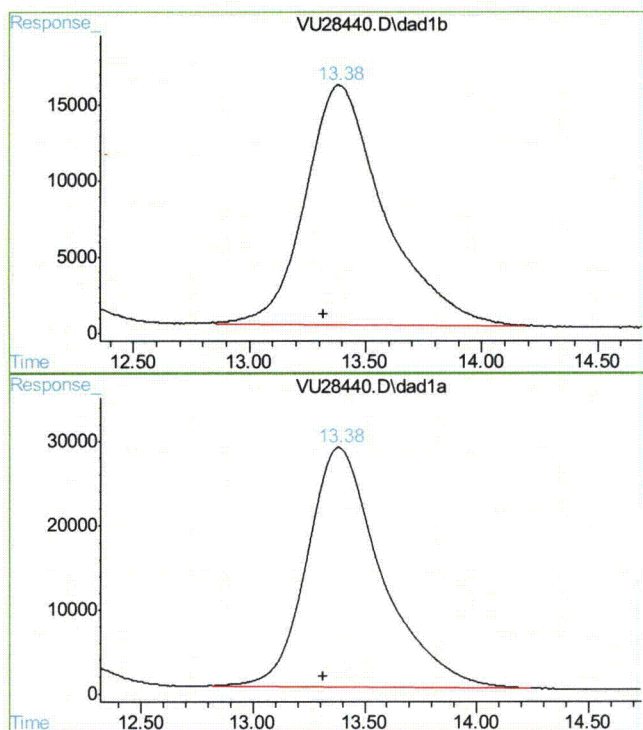
#2 Acetaldehyde

R.T.: 9.023 min  
Delta R.T.: 0.036 min  
Response: 847856  
Conc: 15.93 ppm m



#2 Acetaldehyde

R.T.: 9.014 min  
Delta R.T.: 0.035 min  
Response: 1784487  
Conc: 16.84 ppm m



## #3 Butyraldehyde

R.T.: 13.379 min  
Delta R.T.: 0.062 min  
Response: 373159  
Conc: 17.16 ug/ml m

## #3 Butyraldehyde

R.T.: 13.383 min  
Delta R.T.: 0.068 min  
Response: 662406  
Conc: 17.17 ug/ml m



## 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

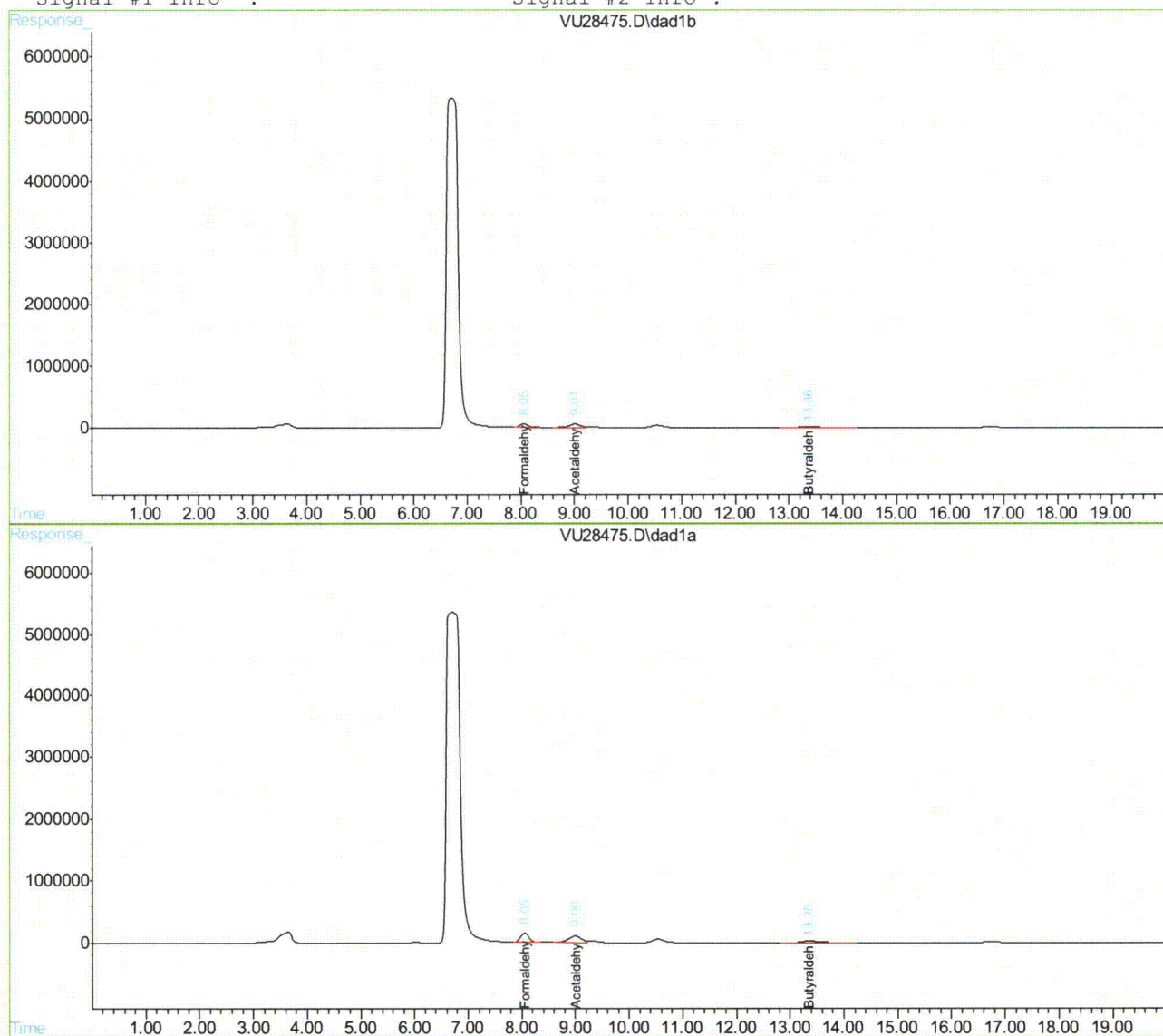
Volume Inj. :

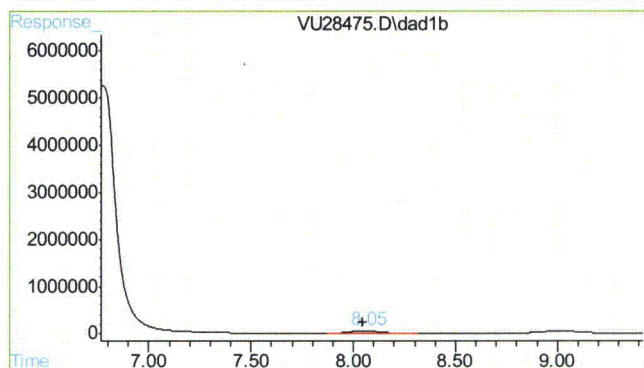
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

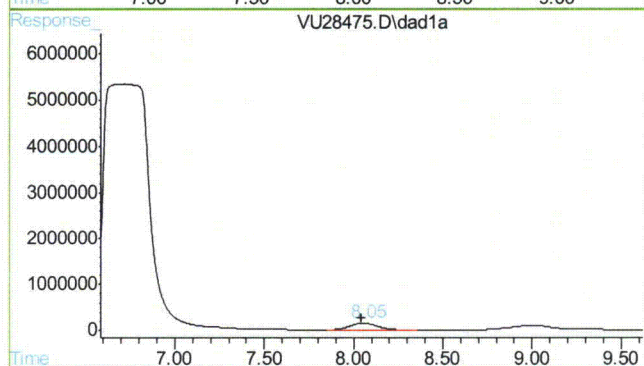
Signal #2 Info :





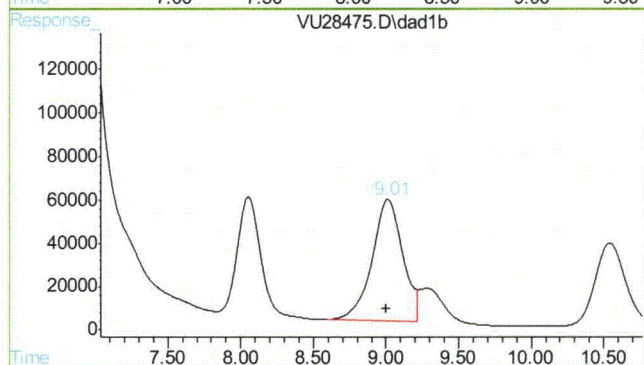
#1 Formaldehyde

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



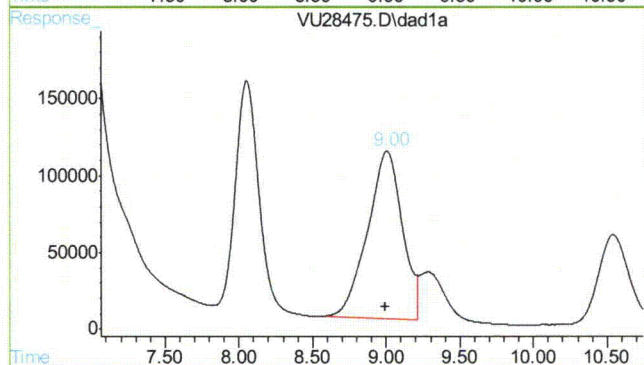
#1 Formaldehyde

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



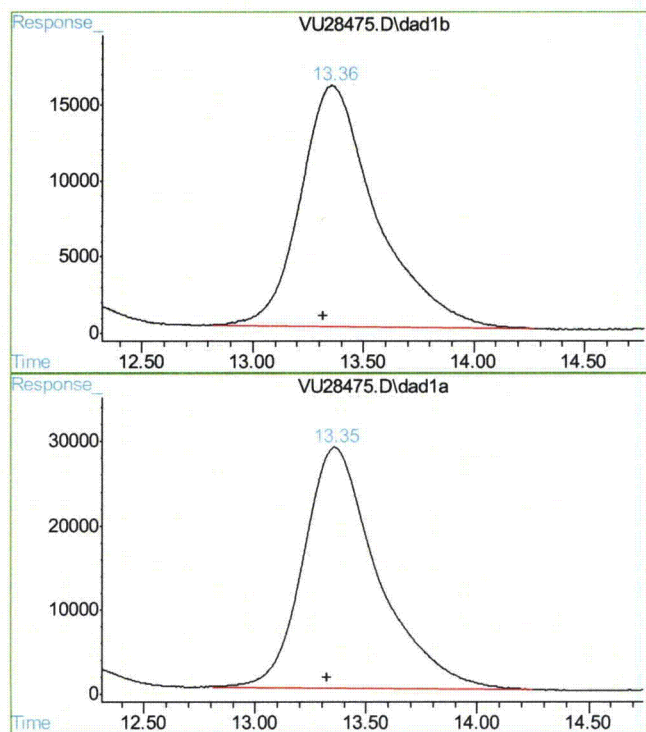
#2 Acetaldehyde

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



## #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

17.6.10 17

## Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28486.D\dad1b.ch Vial: 91  
Acq On : 22-Oct-2010, 05:23:25 Operator: caobinz  
Sample : cc1253-20, form 20 Inst : G1315A  
Misc : op22999, gvul288, 25,,,1 Multiplr: 1.00  
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28486.D\dad1a.ch Vial: 91  
Acq On : 22-Oct-2010, 05:23:25 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p

Quant Time: Oct 22 9:45 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	13.35	13.35	380106	666695	17.463m	17.275m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 34.93%	34.55%

## Target Compounds

1) Formaldehyde	8.05	8.05	551781	1577529	16.493m	17.201m
2) Acetaldehyde	9.00	9.00	821905	1815729	15.392m	17.199m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
VU28486.D FM102110.M Fri Oct 22 10:54:07 2010 RPT1



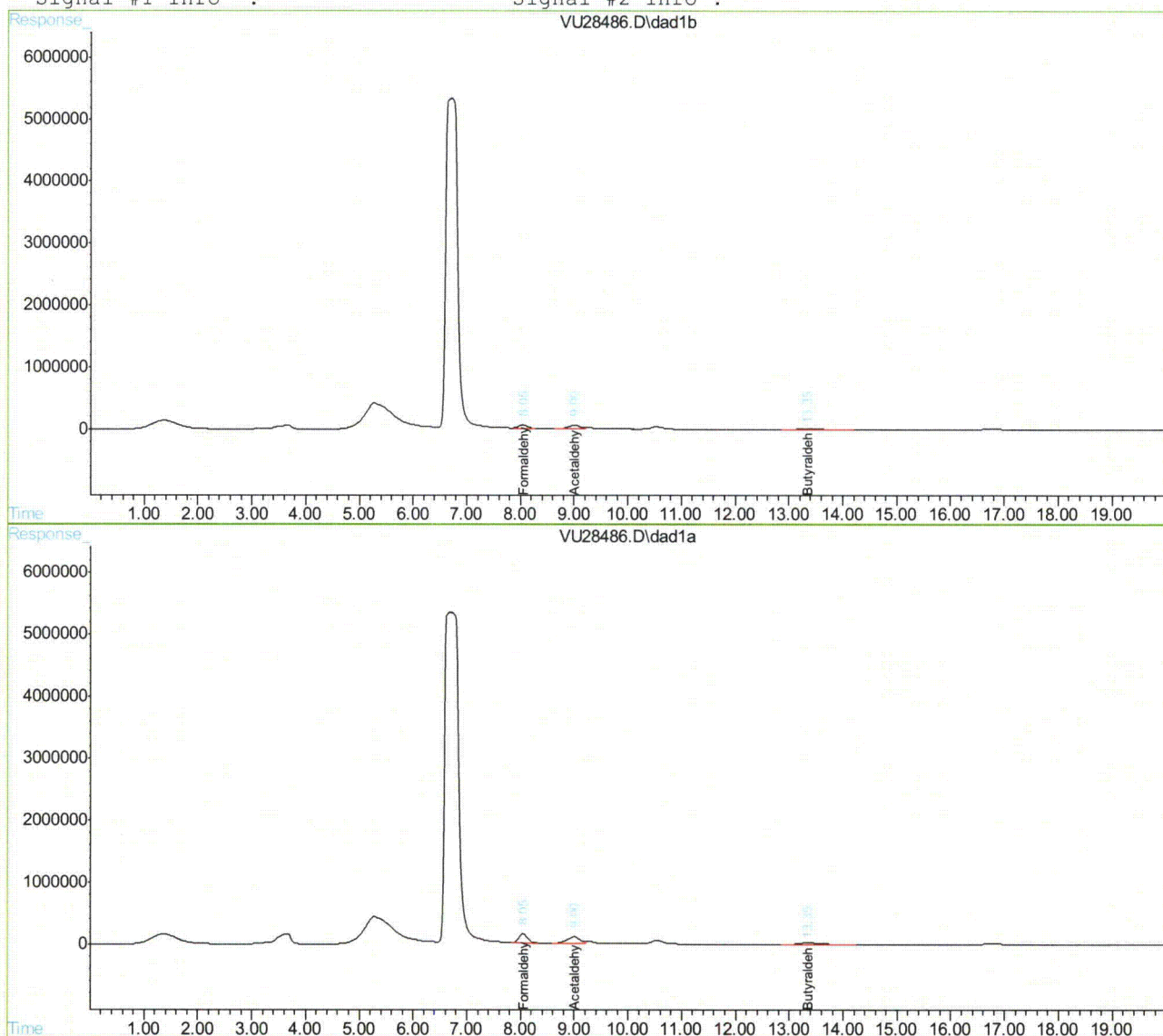
## Quantitation Report

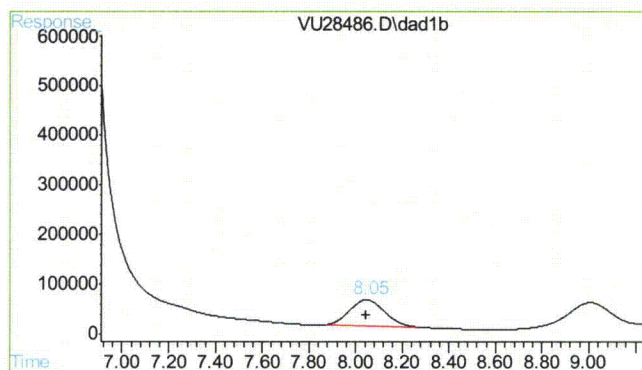
Data File : D:\HPLC2\DATA\102110\VU28486.D\dad1b.ch Vial: 91  
Acq On : 22-Oct-2010, 05:23:25 Operator: caobinz  
Sample : ccl253-20, form 20 Inst : G1315A  
Misc : op22999,gvul288,25,,,1 Multiplr: 1.00  
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28486.D\dad1a.ch Vial: 91  
Acq On : 22-Oct-2010, 05:23:25 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p  
Quant Time: Oct 22 9:45 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

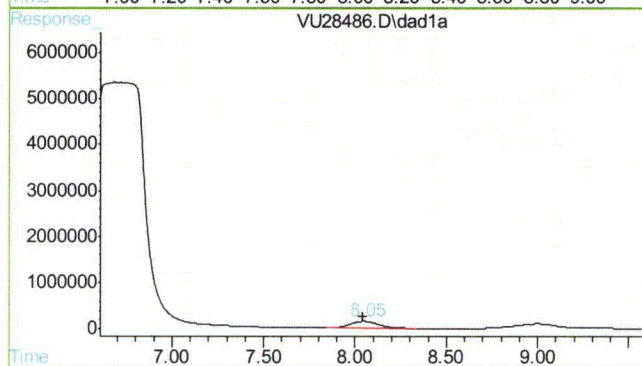
Volume Inj. :  
Signal #1 Phase :  
Signal #1 Info :  
Signal #2 Phase :  
Signal #2 Info :





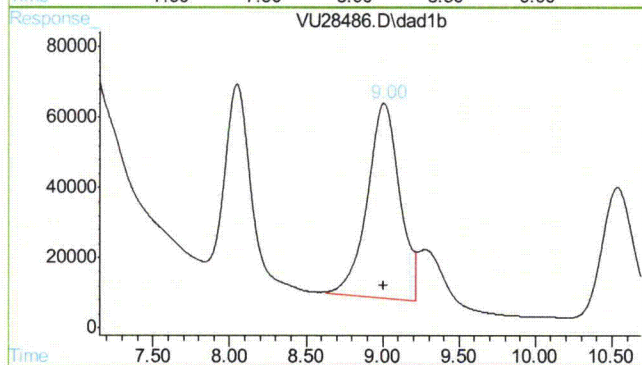
#1 Formaldehyde

R.T.: 8.046 min  
Delta R.T.: 0.002 min  
Response: 551781  
Conc: 16.49 ppm m



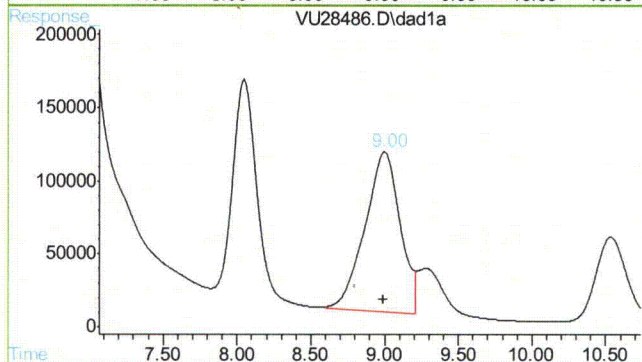
#1 Formaldehyde

R.T.: 8.046 min  
Delta R.T.: 0.000 min  
Response: 1577529  
Conc: 17.20 ppm m



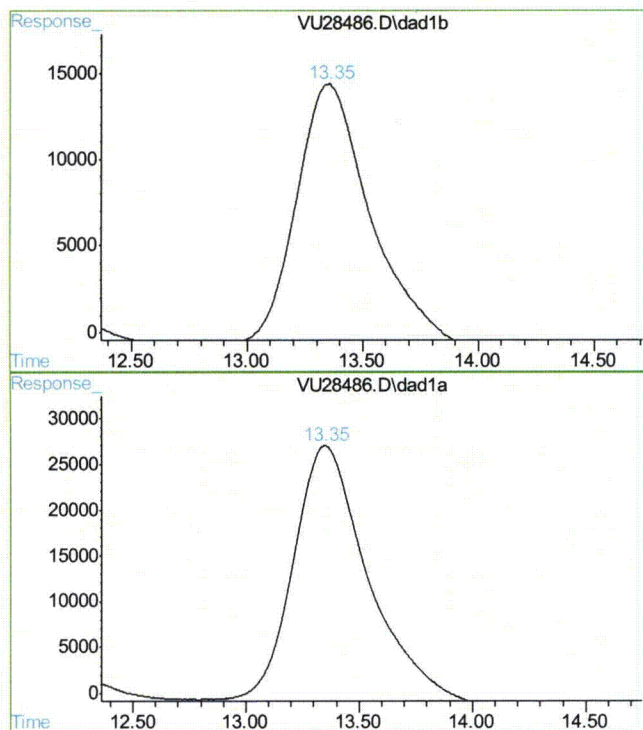
#2 Acetaldehyde

R.T.: 9.005 min  
Delta R.T.: 0.000 min  
Response: 821905  
Conc: 15.39 ppm m



#2 Acetaldehyde

R.T.: 8.999 min  
Delta R.T.: 0.004 min  
Response: 1815729  
Conc: 17.20 ppm m



## #3 Butyraldehyde

R.T.: 13.355 min  
Delta R.T.: 0.035 min  
Response: 380106  
Conc: 17.46 ug/ml m

## #3 Butyraldehyde

R.T.: 13.346 min  
Delta R.T.: 0.022 min  
Response: 666695  
Conc: 17.27 ug/ml m

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11/08/10 15:05

## Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28493.D\dad1b.ch Vial: 91  
Acq On : 22-Oct-2010, 07:49:46 Operator: caobinz  
Sample : ecc1253-20,form 20 Inst : G1315A  
Misc : op22999,gvul288,25,,,1 Multiplr: 1.00  
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28493.D\dad1a.ch Vial: 91  
Acq On : 22-Oct-2010, 07:49:46 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p

Quant Time: Oct 22 9:50 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	13.51	13.52	377639	659869	17.355m	17.110m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	34.71% 34.22%
Target Compounds						
1) Formaldehyde	8.10	8.11	576901	1606982	17.364m	17.576m
2) Acetaldehyde	9.09	9.08	841282	1796518	15.796m	16.976m

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
VU28493.D FM102110.M Fri Oct 22 10:54:44 2010 RPT1



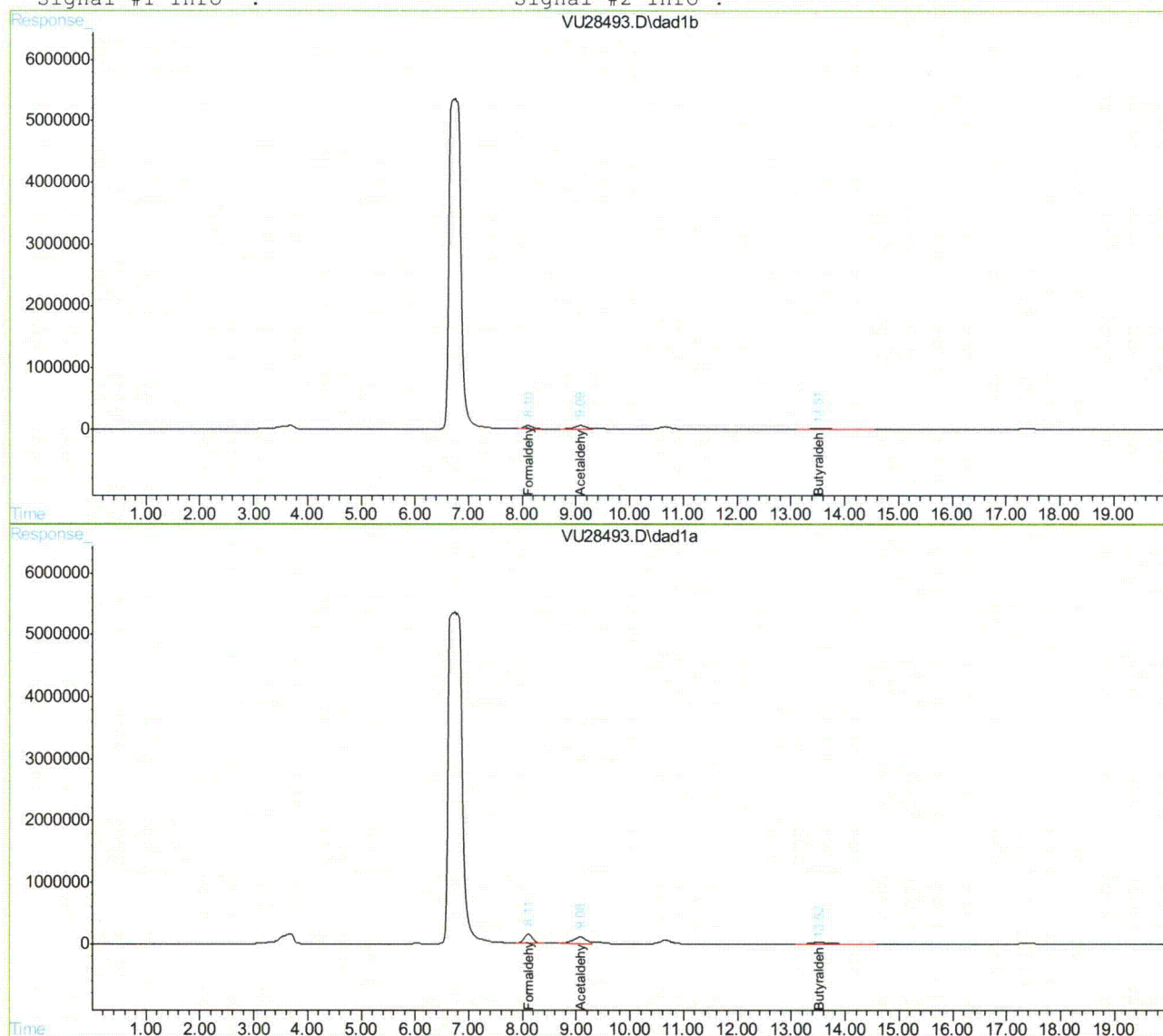
## Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28493.D\dad1b.ch Vial: 91  
Acq On : 22-Oct-2010, 07:49:46 Operator: caobinz  
Sample : ecc1253-20, form 20 Inst : G1315A  
Misc : op22999,gvu1288,25,,,1 Multiplr: 1.00  
IntFile : rteint.p

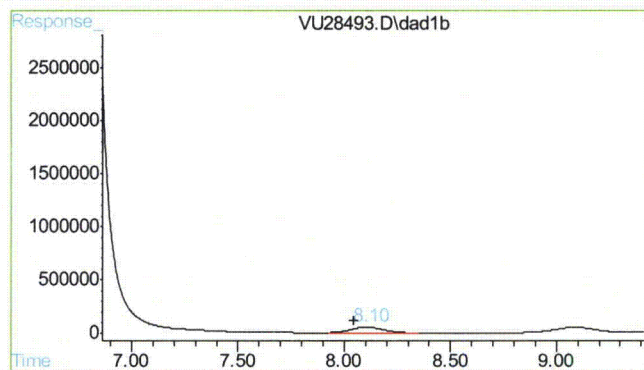
Data File : D:\HPLC2\DATA\102110\VU28493.D\dad1a.ch Vial: 91  
Acq On : 22-Oct-2010, 07:49:46 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p  
Quant Time: Oct 22 9:50 2010 Quant Results File: FM102110.RES

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 #2 Phase:  
Signal #1 Info : Signal #2 Info :

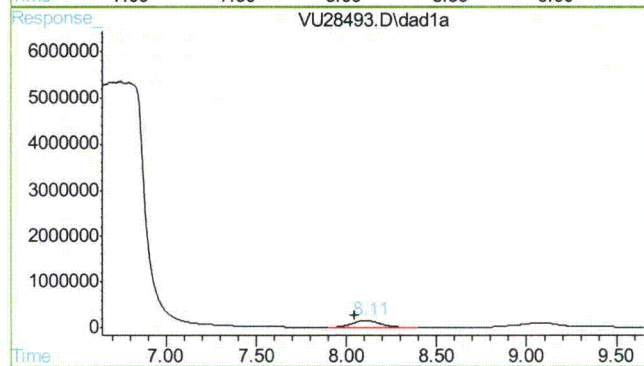






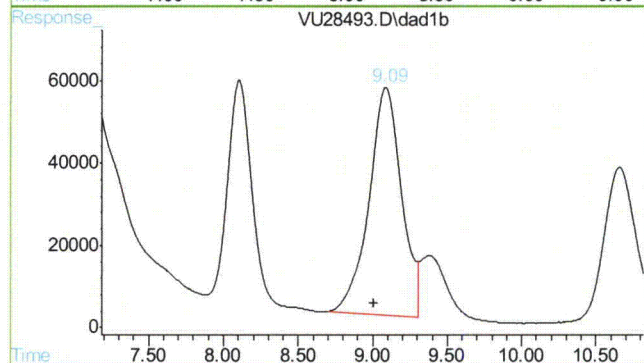
#1 Formaldehyde

R.T.: 8.104 min  
Delta R.T.: 0.060 min  
Response: 576901  
Conc: 17.36 ppm m



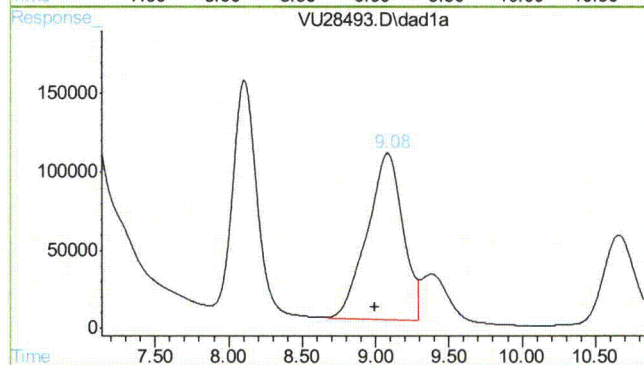
#1 Formaldehyde

R.T.: 8.106 min  
Delta R.T.: 0.060 min  
Response: 1606982  
Conc: 17.58 ppm m



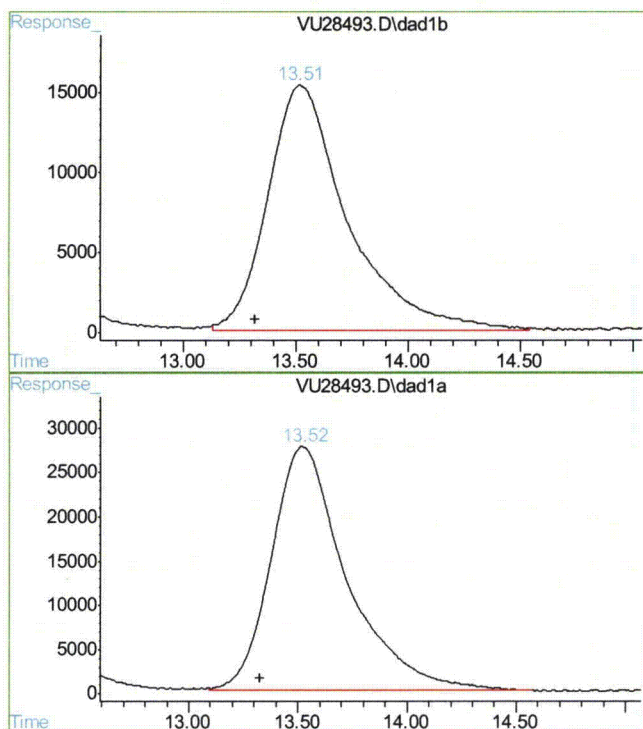
#2 Acetaldehyde

R.T.: 9.086 min  
Delta R.T.: 0.082 min  
Response: 841282  
Conc: 15.80 ppm m



#2 Acetaldehyde

R.T.: 9.079 min  
Delta R.T.: 0.083 min  
Response: 1796518  
Conc: 16.98 ppm m



## #3 Butyraldehyde

R.T.: 13.511 min  
Delta R.T.: 0.192 min  
Response: 377639  
Conc: 17.36 ug/ml m

## #3 Butyraldehyde

R.T.: 13.519 min  
Delta R.T.: 0.195 min  
Response: 659869  
Conc: 17.11 ug/ml m

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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,gvu1289,25,,,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

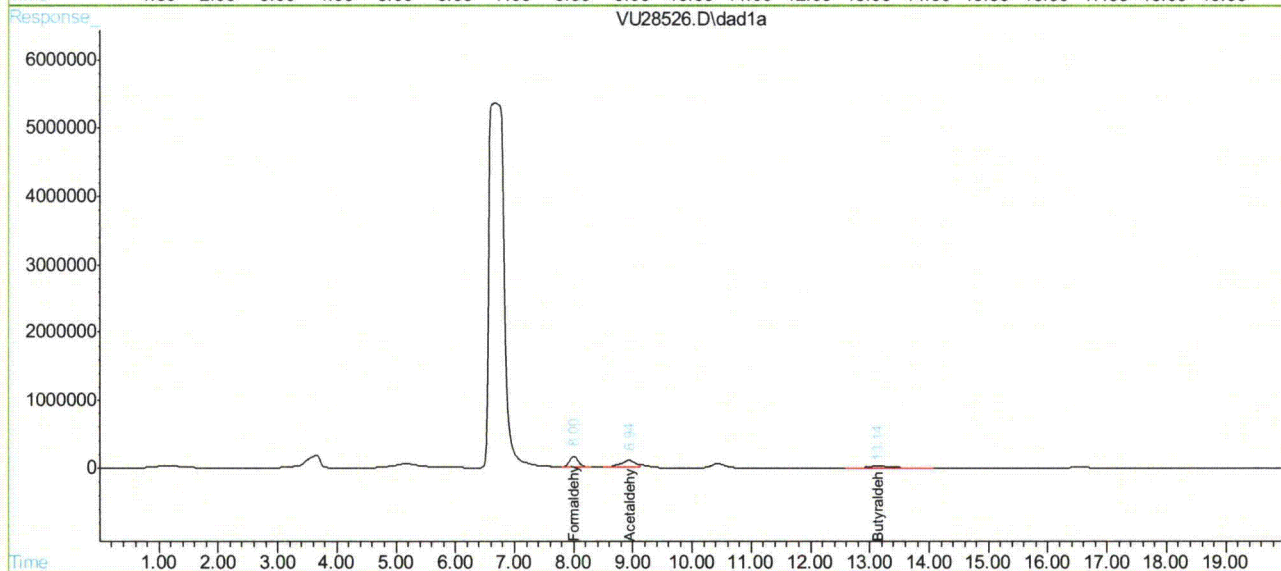
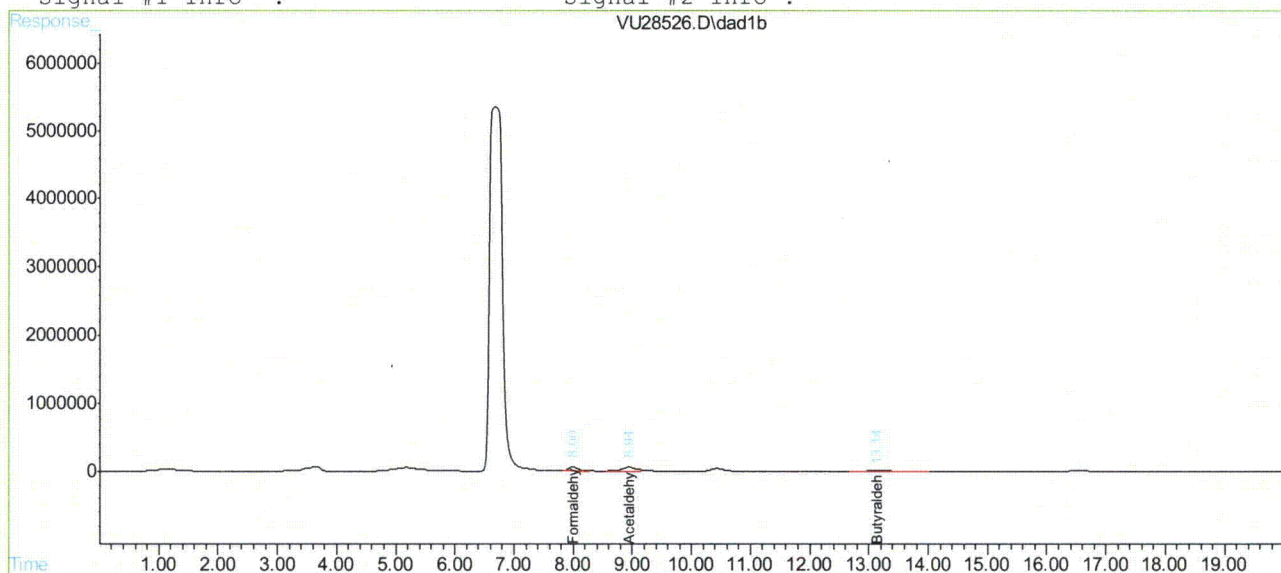
## Quantitation Report

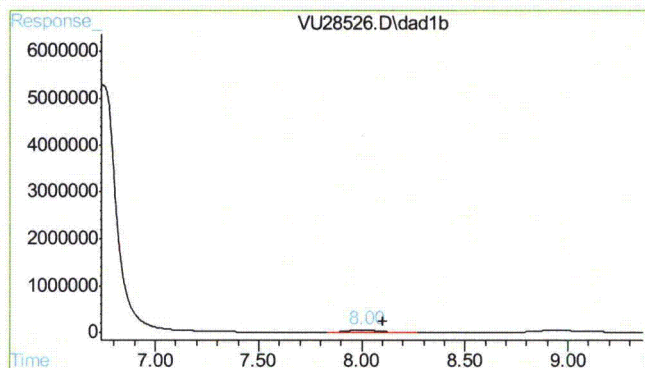
Data File : D:\HPLC2\DATA\102210\VU28526.D\dad1b.ch Vial: 91  
Acq On : 22-Oct-2010, 20:36:06 Operator: caobinz  
Sample : cc1253-20, form 20 Inst : G1315A  
Misc : op22999,gvu1289,25,,,1,5 Multiplr: 1.00  
IntFile : rteint.p

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 : Multiple Level Calibration  
DataAcq Meth : F6040D.M

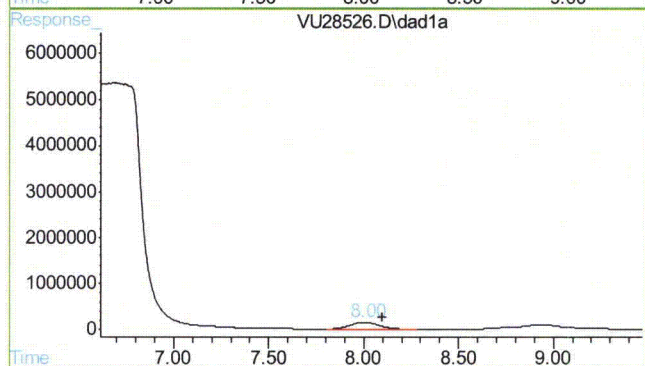
Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :





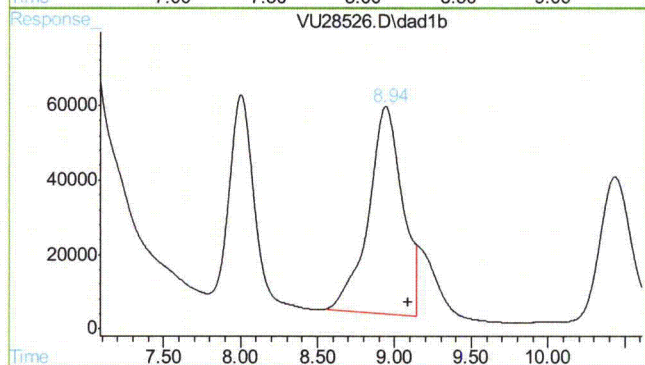
#1 Formaldehyde

R.T.: 8.001 min  
Delta R.T.: -0.100 min  
Response: 599909  
Conc: 18.17 ppm m



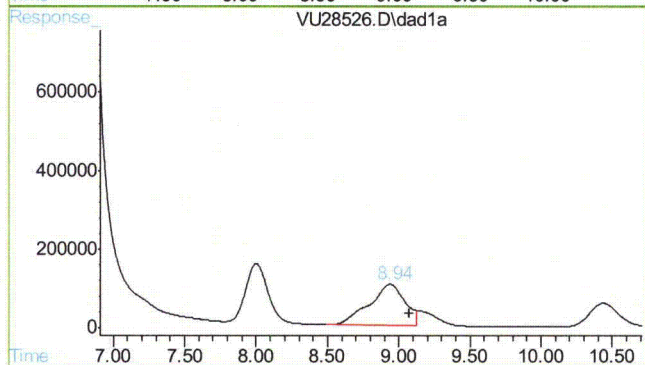
#1 Formaldehyde

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

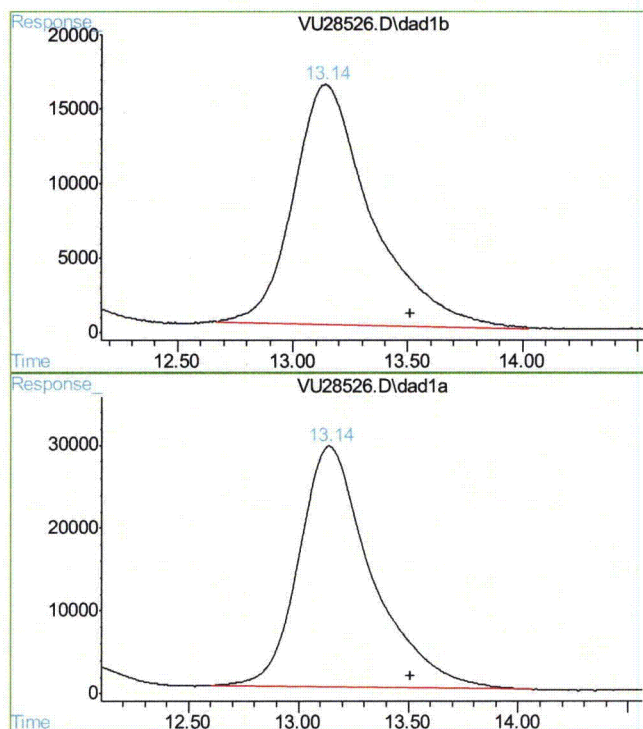


#2 Acetaldehyde

R.T.: 8.938 min  
Delta R.T.: -0.137 min  
Response: 1824010  
Conc: 17.30 ppm m

17.6.13 17





## #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

17.6.13 17

## Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28532.D\dad1b.ch Vial: 91  
Acq On : 22-Oct-2010, 22:41:24 Operator: caobinz  
Sample : ecc1253-20,form 20 Inst : G1315A  
Misc : op22999,gvul289,25,,,1,5 Multiplr: 1.00  
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28532.D\dad1a.ch Vial: 91  
Acq On : 22-Oct-2010, 22:41:24 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p  
Quant Time: Oct 23 9:45 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	13.05f	13.05f	378108	670535	17.376m	17.367m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 34.75%	34.73%
Target Compounds						
1) Formaldehyde	7.97f	7.97f	600030	1639591	18.170m	17.993m
2) Acetaldehyde	8.90f	8.89f	871094	1821484	16.421m	17.266m

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
VU28532.D FM102210.M Sat Oct 23 10:57:41 2010 RPT1

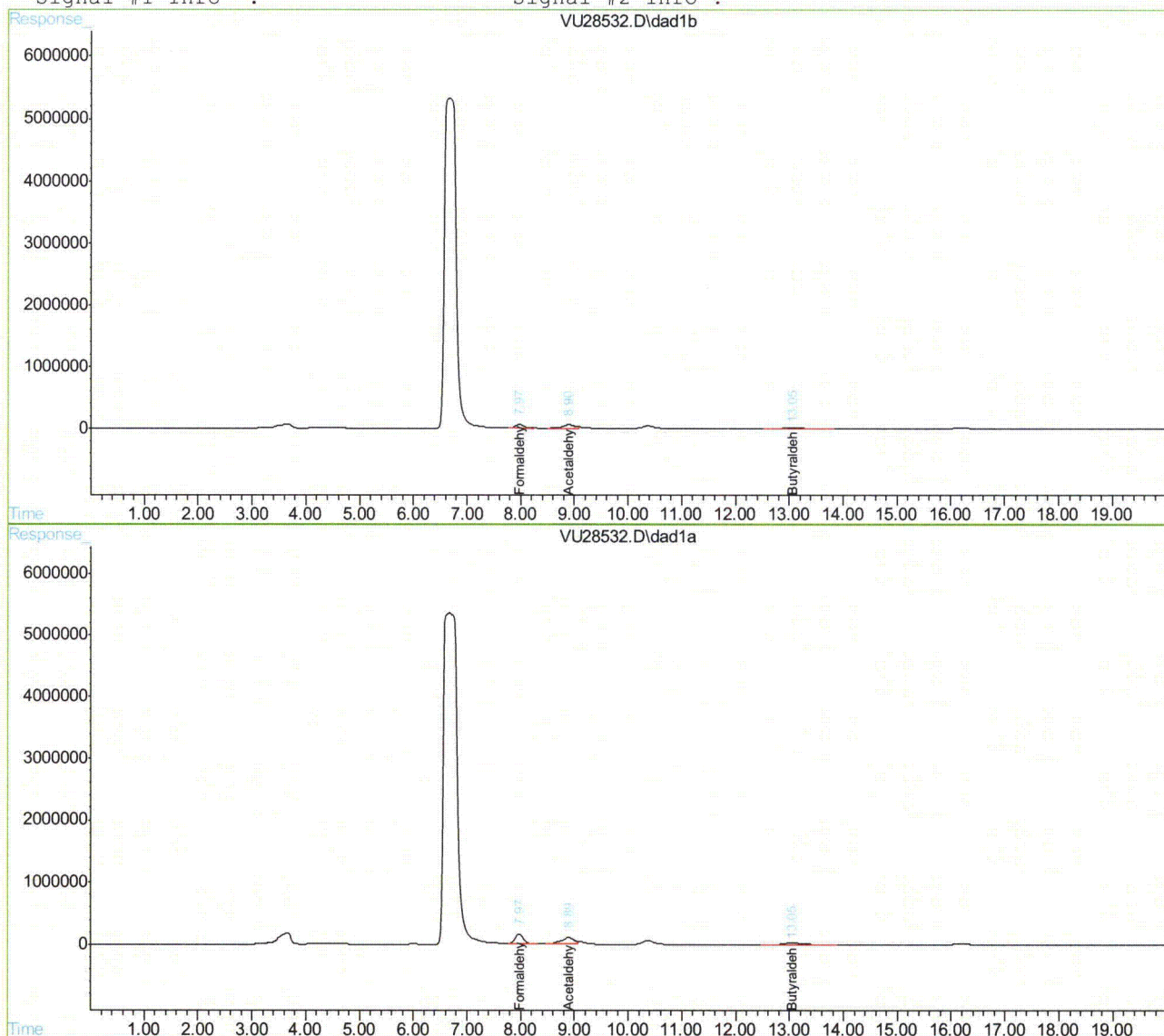
## Quantitation Report

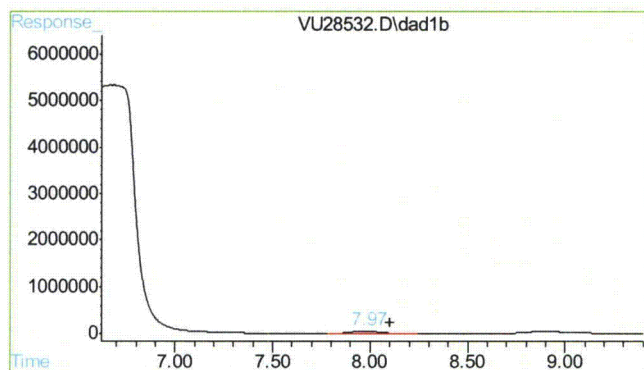
Data File : D:\HPLC2\DATA\102210\VU28532.D\dad1b.ch Vial: 91  
Acq On : 22-Oct-2010, 22:41:24 Operator: caobinz  
Sample : ecc1253-20, form 20 Inst : G1315A  
Misc : op22999,gvu1289,25,,,1,5 Multiplr: 1.00  
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28532.D\dad1a.ch Vial: 91  
Acq On : 22-Oct-2010, 22:41:24 Operator: caobinz  
Sample : form 20 Inst : G1315A  
Misc : Multiplr: 1.00  
IntFile : rteint2.p  
Quant Time: Oct 23 9:45 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

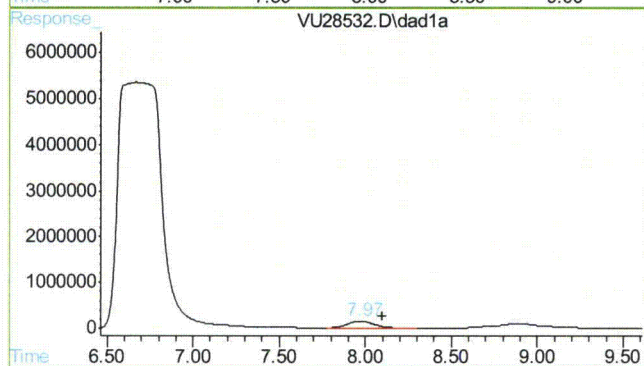
Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :





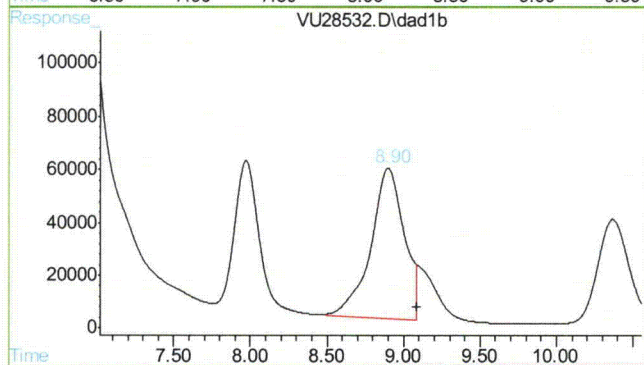
#1 Formaldehyde

R.T.: 7.970 min  
Delta R.T.: -0.131 min  
Response: 600030  
Conc: 18.17 ppm m



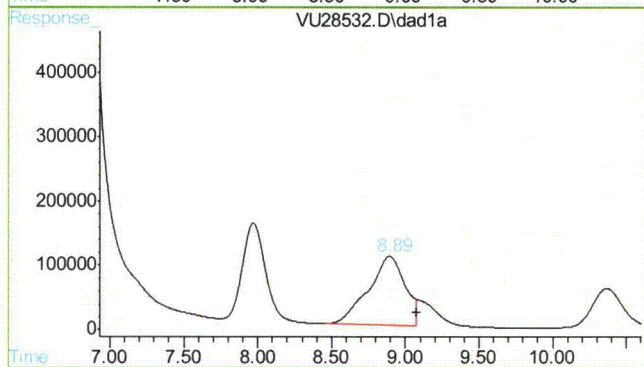
#1 Formaldehyde

R.T.: 7.970 min  
Delta R.T.: -0.131 min  
Response: 1639591  
Conc: 17.99 ppm m



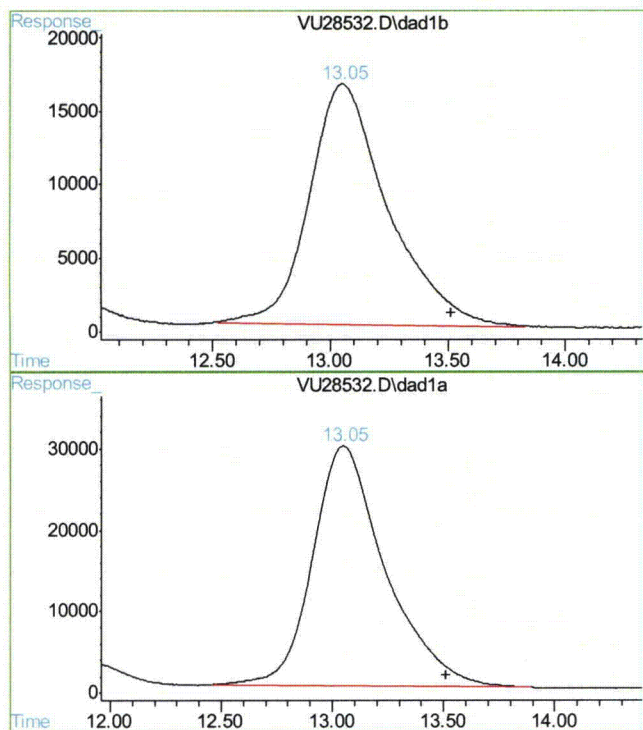
#2 Acetaldehyde

R.T.: 8.897 min  
Delta R.T.: -0.188 min  
Response: 871094  
Conc: 16.42 ppm m



#2 Acetaldehyde

R.T.: 8.892 min  
Delta R.T.: -0.183 min  
Response: 1821484  
Conc: 17.27 ppm m



## #3 Butyraldehyde

R.T.: 13.052 min  
Delta R.T.: -0.460 min  
Response: 378108  
Conc: 17.38 ug/ml m

## #3 Butyraldehyde

R.T.: 13.045 min  
Delta R.T.: -0.466 min  
Response: 670535  
Conc: 17.37 ug/ml m



Instrument: LC #2 (UV)

## Run Date: 7/6/10

**Analyst Signature:**

Signature: C2h  
vfydec @ 12/1/2009 #182

[illegible]

Column Information:

Data Directory:

Sequence File:

### Quantitation Methods:

Instrument Run Batches:

### Data Acquisition Methods:

Inj. Vol: 5 ml

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	VQ-27922	farm 100	qp21786	ag315FM	S	MA	Eg stds.
1	23	100					
2	24	50					
3	25	20					
4	26	10					
5	27	5					
6	28	1					
7	29	50					rev; OK.
11	30	qp21785-m6	qp21785				not needed.
2	27931	farm 50					OK.

E 7/6/10

~~Dilution Solvent:~~

Lot:

Mobile Phase Solvent:

Acepnitile

Lot:

904235

Solvent/DI Ratio (v:v):

60/40

Prep Date: 7/6/10

Exp. Date: 7/6/11

Review:

GC00308 (9/01/06)

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## 17.7.1

## HPLC Analysis Log - Extractables

Run Date: 10/19/2010Analyst Signature: [Signature]

## Standard Data

Lot #	Description	Conc
502	extractables	
51	Form 20	
31	Form 20	
32	922971-mh	
33	-bs	
34	-ms	
35	-msd	
36	-gc	
37	m98036-2	
38	JA58900-5	
39	-b	
40	Form 20	
41	m98036-2	
42	JA58900-5	
43	-b	
28444	Form 20	

Column Information:

Data Directory: 101910Sequence File: 101910Quantitation Methods: FM101910Instrument Run Batches: AVU-1286 (ICR53)Data Acquisition Methods: FL6400Inj. Vol: 5 µlDate of ICAL: 7/6/10 ICAL Verified: [Signature]Sample positions verified against sequence: [Signature]

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
51	VL-28430	Form 20	922971	LC8315RM	W	NA	EC stt.
51	31	Form 20					6K
1	32	922971-mh					
2	33	-bs					
3	34	-ms					
4	35	-msd					
5	36	-gc					m94706-25
6	37	m98036-2					
7	38	JA58900-5					
8	39	-b					
51	40	Form 20				✓	OK
6	41	m98036-2				5	1 µl injection; not needed
7	42	JA58900-5				5	
8	43	-b				5	
51	28444	Form 20				NA	

MTX = Matrix: Designate W for water, S for soil, O for oil.

Dilution Solvent: [Signature]Lot: [Signature]Mobile Phase Solvent: AcetonitrileLot: 904235Solvent/DI Ratio (v/v): 60/40Prep Date: 10/19/10 Exp. Date: 10/19/2011Review: 2/4/10-22-10

GC00308 (9/01/06)

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## HPLC Analysis Log - Extractables

Run Date: 10/21/10Analyst Signature: C2 Lu

Vydac C18 150 x 4.6 mm #182

Standard Data		
Lot #	Description	Conc

Column Information: 218 TP 54Data Directory: 102110Sequence File: 102110Quantitation Methods: FM 102110Instrument Run Batches: GVU-1288 (102110)Data Acquisition Methods: FL400Inj. Vol: 5 ulDate of ICAL: 7/6/10 ICAL Verified: ☒ Sample positions verified against sequence: ☒

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
91	W-28449	Form 20	9022883	CCP30 Em	✓	NA	OK
1	50	9022883-106		+ACID			
2	51	↓ -65					
3	52	↓ -475					ACID off
4	53	↓ -454					
5	54	JA5820-1					
6	55	↓ -2					
7	56	↓ -3					
8	57	↓ -4					
9	58	↓ -5					
10	59	↓ -6					
91	60	Form 20					OK
11	61	JA5820-7					ACID off
12	62	↓ -8					
13	63	↓ -9					ACID 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	JA5820-17					ACID 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: 10/21/11Review:  

GC00308 (9/01/06)

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## HPLC Analysis Log - Extractables

Run Date: 10/21/10 (cont'd)Analyst Signature: G/L

## Standard Data

Lot #	Description	Conc

Column Information:

Data Directory:

Sequence File:

Quantitation Methods:

Instrument Run Batches:

Data Acquisition Methods:

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	V1-28474	9022883-LB	9022883	68315 FM	S	1:1	
91	75	Form 20	↓	+ 1000			OK
31	76	9022888-nib	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:

Acetonitrile

Lot:

904235

Solvent/DI Ratio (v:v):

60/40

Exp Date:

10/21/10

Exp. Date:

10/21/11

Review:

000308 (9/01/06)

## HPLC Analysis Log - Extractables

Run Date: 10/22/2010Analyst Signature: [Signature]

Standard Data		
Lot #	Description	Conc

Column Information: 218T054  
 Data Directory: 102210  
 Sequence File: 102210  
 Quantitation Methods: FM 102210

Instrument Run Batches: GVU-1289 (IC1253)Data Acquisition Methods: RF6040D Inj. 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
91	VU-28494	Form 20	922983	LC8310 FM	5	MA	OK
3	95	922980-115				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 2.
22	16					15	
91	17	Form 20				5	Injection; not used.
33	18	922980-115	922989			5	

VTX = 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	W1-28519	9022PPR-MSD	9022PPR	6836 FM	S	5	
35	20	JA 58900-1					
36	21						
37	22						
38	23					10	
39	24					5	
40	25					5	
91	26	Form 20				NA	OK
41	27	JA 58900-9				5	
42	28						
43	29						
44	30						
45	31						
91	28532	Form 20				NA	OK

TX = Matrix: Designate W for water, S for soil, O for oil.

Dilution Solvent: AcetonitrileLot: 909235Mobile Phase Solvent: AcetonitrileLot: 909235Solvent/DI Ratio (v/v): 60/40Exp. Date: 10/22/10 Exp. Date: 10/22/11

Review: \_\_\_\_\_

000308 (9/01/06)

Accutest Laboratories of New England, Inc.

Extracted by: AF / FL  
 Spike Witness: AF  
 Concentrated by: FL  
 Fractionated by: \_\_\_\_\_  
 Extraction Method: SW 84 8315

Date/Time: 10/16/2010  
 Date/Time: 10/16/10  
 Batch: 0122971  
 Matrix: Aqueous  
 Analysis Method: LC 8315 FORM

Sample	Bottle No.	Initial Volume (ml)	Final Volume (ml)	p H	*Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1 0122971 -mb	MA	500 ml	1.4 ml	3	MA	(2/10/19/10)
2 ↓ -bs	↓	↓	↓			
3 FC -bsd						
4 MA 4706.25 -ms	MA	500 ml	1.4 ml			
5 ↓ -msd	↓	↓	↓			
6						
7 MA 5036.2	1					
8 JA 58900-5	1					
9 ↓ 6	1					
10						
11						
12					NO TA sample	
13					JA 58900.6 maybe	
14					CONTAMINATE w HAXERO	
15					10/18/2010 FC	
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

Fraction	Lot #	Conc.	Vol. (ml)	H2SO4 Lot #
Surrogate: FORM	2012	10.5932	100 g/ml	0.5 ml
Surrogate:				MeCl2: DEN 5944 RS94
Surrogate:				Hexane:
Surrogate:				Acetone:
Surrogate:				Acetonitrile: J-T. RAYNER
Spike: FORM	MA	10.5733	1.4 ml	40.1 ml
Spike:				Na Sulfate Lot #: 8410
Spike:				Silica Lot #:
Spike:				SPE MFG/Lot #:
Spike:				Copper:
Filter Paper Lot #				Hydromatrix:
Form. Deriv. Oven in time: Out time:				Florisil:

Water Bath Temp: 40°C

Reviewed by: JH 10-22-10

Tray #: LC-22

OP002-07 (2/18/10)

\*Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup

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Accutest Laboratories of New England, Inc.

Extracted by: MW  
 Spike Witness: \_\_\_\_\_  
 Concentrated by: FC  
 Fractionated by: \_\_\_\_\_  
 Extraction Method: SW846 831C

Date/Time: 10/19/10  
 Date/Time: \_\_\_\_\_  
 Batch: OP229999 UP22999 2711-JK  
 Matrix: Aqueous  
 Analysis Method: LC8315FARM

2711-8-10

Sample	Bottle No.	Initial Volume (ml)	Final Volume (ml)	pH	*Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1 OP229999-mb	N/A	50.0	1.0 mL	3	MH	10.11.10
2 -bs						
3 -bsd						
4 JA58900-3-ms			1.0 mL			
5 -msd						
6 JA58900-1						
7 -2						
8 -3						
9 -4						
10 -7						
11 -8						
12 -9						
13 -10						
14 -11						
15 -12						
16 -14						
17 OP229999-LB						
18						
19						
20						
21						
22						
23						
24						
25						

Fraction	Lot #	Conc.	Vol. (ml)	H2SO4 Lot #
Surrogate: <u>Form</u>	<u>1052</u>	<u>PO5932</u>	<u>100ug/mL</u>	<u>0.5 mL</u>
Surrogate:				MeCl2: <u>DC 433</u>
Surrogate:				Hexane: _____
Surrogate:				Acetone: _____
Surrogate:				Acetonitrile: <u>BDH 904235</u>
Spike: <u>Form</u>	<u>705733</u>	<u>1.0ug/mL</u>	<u>40.0 L</u>	Na Sulfate Lot #: <u>B 410</u>
Spike:				Silica Lot #: _____
Spike:				SPE MFG/Lot #: _____
Spike:				Copper: _____
Filter Paper Lot #				Hydromatrix: _____
Form. Deriv. Oven in time: _____ Out time: _____				Florisil: _____

Water Bath Temp: 40°C

Reviewed by: \_\_\_\_\_

Tray #: GC-35

OP002-07 (2/18/10)

\*Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup

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## Misc. Forms

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## Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

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Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle



Fresh Ponds Corporate Village, Building B  
2235 Route 130, Dayton, NJ 08810  
908-329-0200 FAX: 908-329-3499/3480

Accutest Job #:	JA58900
Accutest Quote #:	

Client Information				Facility Information				Analytical Information											
Accutest				Project Name															
Name 2235 Route 130				Belf Bend Power Plant, PA															
Address Dayton NJ 08810				Location															
City State Zip Tammy McCloskey				Project No. JA58900															
Send Report to: Phone #: (732) 329-0200 x364				FAX #: (732) 329-3499															
Field ID / Point of Collection		Collection			Matrix	# of bottles	Preservation				PB141SL								
		Date	Time	Sampled By			HCL	NaOH	HNO3	H2SO4							None		
-1		10/14/10		MH	Soil							X							
2		10/14/10		MH	Soil							X							
3, 3D, 3S		10/14/10		MH	Soil							X							
4		10/14/10		MH	Soil							X							
5		10/14/10		MH	FB							X							
6		10/14/10		MH	FB							X							
7		10/13/10		MH	Soil							X							
8		10/13/10		MH	Soil							X							
9		10/13/10		MH	Soil							X							
10		10/13/10		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: 10-16-10 1700		Received By: 1		Date Time: 10-16-10 10:20		Relinquished By: 2		Date Time: 10-16-10 10:20		Received By: 2		Date Time: 10-16-10 10:20					
Relinquished by Sampler: 3		Date Time:		Received By: 3		Date Time:		Relinquished By: 4		Date Time:		Received By: 4		Date Time:					
Relinquished by Sampler: 5		Date Time:		Received By: 5		Date Time:		Relinquished By: 5		Date Time:		Received By: 5		Date Time:					
Relinquished by Sampler: _____ Date Time: _____ Received By: _____ Date Time: _____ Relinquished by Sampler: _____ Date Time: _____ Received By: _____ Date Time: _____ Relinquished by Sampler: _____ Date Time: _____ Received By: _____ Date Time: _____														Relinquished by Sampler: _____ Date Time: _____ Received By: _____ Date Time: _____ Relinquished by Sampler: _____ Date Time: _____ Received By: _____ Date Time: _____ Relinquished by Sampler: _____ Date Time: _____ Received By: _____ Date Time: _____					

**Accutest Laboratories Southeast, Inc.**

18.1





Fresh Ponds Corporate Village, Building B  
2235 Route 130, Dayton, NJ 08810  
908-329-0200 FAX: 908-329-3499/3480

Page 2 of 2

Accutest Job #:	JA58900
Accutest Quote #:	

Client Information				Facility Information				Analytical Information				
Accutest												
Name 2235 Route 130				Project Name Bell Bend Power Plant, PA								
Address Dayton NJ 08810				Location								
City State Zip Tammy McCloskey				Project No. JA58900								
Send Report to: Phone #: (732) 329-0200				FAX #: (732) 329-3499								
Field ID / Point of Collection		Date	Time	Sampled By	Matrix	# of bottles	Preservation				P814 / SL	
11		10/13/10		MH	Soil		HCL	NaOH	HNO3	H2SO4		None
12		10/13/10		MH	Soil							
14		10/14/10		MH	Soil							
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)		Approved By: _____ _____ _____ 21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.		<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: 10-15-10 1700		Received By: 1		Relinquished By: 2		Date Time: 10/16/10 10:20		Received By: 2		
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		Seal #		Preserved where applicable		On Ice		

**JA58900: Chain of Custody**  
**Page 2 of 3**

18.1 18

# ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: JA58900 CLIENT: A175 PROJECT: JA58900  
 DATE/TIME RECEIVED: 10.16.10 10:20 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER  
 AIRBILL NUMBERS: 9766 5240 3122

## 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 ? 0  
 NUMBER OF 5035 FIELD KITS ? 0  
 NUMBER OR LAB FILTERED METALS ? 0

## TEMPERATURE INFORMATION

- ☐ IR THERM ID 3 CORR. FACTOR +6
- ☐ OBSERVED TEMPS: 22
- ☐ CORRECTED TEMPS: 28

## 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 COMPOSTING 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: SAMPLE # 5, 6 RECEIVED 2 CONTAINERS

TECHNICIAN SIGNATURE/DATE PT 10.16.10 REVIEWER SIGNATURE/DATE \_\_\_\_\_

NF 10/09

RECEIPT CONFIRMATION 100609 (2).xls

JA58900: Chain of Custody

Page 3 of 3

## Internal Sample Tracking Chronicle

Accutest New Jersey

Job No: JA58900

ENSRMAA: Bell Bend Nuclear Power Plant, Salem Townwhip, PA  
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58900-1	Collected: 14-OCT-10 12:30 By: MH BBNPP-D2	Received: 14-OCT-10 By: ET				
JA58900-1	SW846 8141B	21-OCT-10 13:32	NMC	20-OCT-10	AJC	P8141SL
JA58900-2	Collected: 14-OCT-10 12:45 By: MH BBNPP-D1-C	Received: 14-OCT-10 By: ET				
JA58900-2	SW846 8141B	21-OCT-10 14:01	NMC	20-OCT-10	AJC	P8141SL
JA58900-3	Collected: 14-OCT-10 12:20 By: MH BBNPP-R-C	Received: 14-OCT-10 By: ET				
JA58900-3	SW846 8141B	21-OCT-10 14:31	NMC	20-OCT-10	AJC	P8141SL
JA58900-4	Collected: 14-OCT-10 12:45 By: MH BBNPP-CW22-C	Received: 14-OCT-10 By: ET				
JA58900-4	SW846 8141B	21-OCT-10 16:58	NMC	20-OCT-10	AJC	P8141SL
JA58900-5	Collected: 14-OCT-10 15:01 By: MH BBNPP-C-EB	Received: 14-OCT-10 By: ET				
JA58900-5	SW846 8141B	21-OCT-10 22:21	NMC	20-OCT-10	CP	P8141SL
JA58900-6	Collected: 14-OCT-10 15:35 By: MH BBNPP-PB	Received: 14-OCT-10 By: ET				
JA58900-6	SW846 8141B	21-OCT-10 22:50	NMC	20-OCT-10	CP	P8141SL
JA58900-7	Collected: 13-OCT-10 14:17 By: MH BBNPP-CW4-C	Received: 14-OCT-10 By: ET				
JA58900-7	SW846 8141B	21-OCT-10 17:27	NMC	20-OCT-10	AJC	P8141SL
JA58900-8	Collected: 13-OCT-10 15:10 By: MH BBNPP-CW7-C	Received: 14-OCT-10 By: ET				
JA58900-8	SW846 8141B	21-OCT-10 17:57	NMC	20-OCT-10	AJC	P8141SL

**Internal Sample Tracking Chronicle**

Accutest New Jersey

Job No: JA58900

ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA  
Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58900-9	Collected: 13-OCT-10 15:30	By: MH	Received: 14-OCT-10	By: ET		
BBNPP-CW10-C						
JA58900-9	SW846 8141B	21-OCT-10 18:26	NMC	20-OCT-10 AJC	P8141SL	
JA58900-10	Collected: 13-OCT-10 15:49	By: MH	Received: 14-OCT-10	By: ET		
BBNPP-CW13-C						
JA58900-10	SW846 8141B	21-OCT-10 18:55	NMC	20-OCT-10 AJC	P8141SL	
JA58900-11	Collected: 13-OCT-10 16:10	By: MH	Received: 14-OCT-10	By: ET		
BBNPP-CW16-C						
JA58900-11	SW846 8141B	21-OCT-10 19:25	NMC	20-OCT-10 AJC	P8141SL	
JA58900-12	Collected: 13-OCT-10 16:32	By: MH	Received: 14-OCT-10	By: ET		
BBNPP-CW19-C						
JA58900-12	SW846 8141B	21-OCT-10 19:54	NMC	20-OCT-10 AJC	P8141SL	
JA58900-14	Collected: 14-OCT-10 12:45	By: MH	Received: 14-OCT-10	By: ET		
BBNPP-D1-CFD						
JA58900-14	SW846 8141B	21-OCT-10 20:24	NMC	20-OCT-10 AJC	P8141SL	

## GC Semi-volatiles

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## QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

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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:** JA58900**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
OP34758-MB	ZZ11455.D	1	10/21/10	NMC	10/20/10	OP34758	GZZ439

**The QC reported here applies to the following samples:****Method:** SW846 8141B

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

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	93% 48-133%

19.1.1

19

**Method Blank Summary**

Page 1 of 1

**Job Number:** JA58900**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
OP34761-MB	ZZ11473.D	1	10/21/10	NMC	10/20/10	OP34761	GZZ439

**The QC reported here applies to the following samples:****Method:** SW846 8141B

JA58900-5, JA58900-6

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	2.0	0.50	ug/l	
333-41-5	Diazinon	ND	2.0	0.50	ug/l	
62-73-7	Dichlorvos	ND	2.0	0.50	ug/l	
60-51-5	Dimethoate	ND	2.0	0.50	ug/l	
298-04-4	Disulfoton	ND	2.0	0.50	ug/l	
56-38-2	Ethyl Parathion	ND	2.0	0.50	ug/l	
121-75-5	Malathion	ND	2.0	0.50	ug/l	
298-00-0	Methyl Parathion	ND	2.0	0.50	ug/l	
298-02-2	Phorate	ND	2.0	0.50	ug/l	
299-84-3	Ronnel	ND	2.0	0.50	ug/l	
3689-24-5	Sulfotep	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Limits
115-86-6	Triphenyl phosphate	90% 55-128%

19.1.2  
19

**Blank Spike Summary**

Page 1 of 1

**Job Number:** JA58900**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
OP34758-BS	ZZ11454.D	1	10/21/10	NMC	10/20/10	OP34758	GZZ439

**The QC reported here applies to the following samples:****Method:** SW846 8141B

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
2921-88-2	Chlorpyrifos	167	222	133*	51-119
333-41-5	Diazinon	167	220	132*	50-120
62-73-7	Dichlorvos	167	127	76	47-102
298-04-4	Disulfoton	167	197	118*	33-107
298-00-0	Methyl Parathion	167	227	136*	57-128
298-02-2	Phorate	167	207	124*	53-114
299-84-3	Ronnel	167	217	130*	53-120

CAS No.	Surrogate Recoveries	BSP	Limits
115-86-6	Triphenyl phosphate	112%	48-133%

19.2.1

19

**Blank Spike Summary**

Page 1 of 1

**Job Number:** JA58900**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
OP34761-BS <sup>a</sup>	ZZ11472.D	1	10/21/10	NMC	10/20/10	OP34761	GZZ439

**The QC reported here applies to the following samples:****Method:** SW846 8141B

JA58900-5, JA58900-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
2921-88-2	Chlorpyrifos	5	7.3	146*	56-117
333-41-5	Diazinon	5	7.3	146*	57-122
62-73-7	Dichlorvos	5	4.5	90	58-111
298-04-4	Disulfoton	5	7.0	140*	62-117
298-00-0	Methyl Parathion	5	7.5	150*	62-125
298-02-2	Phorate	5	7.2	144*	61-118
299-84-3	Ronnel	5	7.1	142*	58-116

CAS No.	Surrogate Recoveries	BSP	Limits
115-86-6	Triphenyl phosphate	137%*	55-128%

(a) Insufficient sample for MS/MSD.

**Matrix Spike/Matrix Spike Duplicate Summary**

Page 1 of 1

**Job Number:** JA58900**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
OP34758-MS	ZZ11459.D	1	10/21/10	NMC	10/20/10	OP34758	GZZ439
OP34758-MSD	ZZ11460.D	1	10/21/10	NMC	10/20/10	OP34758	GZZ439
JA58900-3	ZZ11458.D	1	10/21/10	NMC	10/20/10	OP34758	GZZ439

**The QC reported here applies to the following samples:****Method:** SW846 8141B

JA58900-1, JA58900-2, JA58900-3, JA58900-4, JA58900-7, JA58900-8, JA58900-9, JA58900-10, JA58900-11, JA58900-12, JA58900-14

CAS No.	Compound	JA58900-3		Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
		ug/kg	Q							
2921-88-2	Chlorpyrifos	ND		221	278	126*	274	123*	1	51-119/30
333-41-5	Diazinon	ND		221	278	126*	269	121*	3	50-120/30
62-73-7	Dichlorvos	ND		221	167	76	167	75	0	47-102/30
298-04-4	Disulfoton	ND		221	259	117*	254	114*	2	33-107/30
298-00-0	Methyl Parathion	ND		221	293	133*	284	127	3	57-128/30
298-02-2	Phorate	ND		221	263	119*	265	119*	1	53-114/30
299-84-3	Ronnel	ND		221	270	122*	270	121*	0	53-120/30

CAS No.	Surrogate Recoveries	MS	MSD	JA58900-3	Limits
115-86-6	Triphenyl phosphate	124%	114%	109%	48-133%

19.3.1

19



## Semivolatile Surrogate Recovery Summary

Page 1 of 1

**Job Number:** JA58900

**Account:** ALNJ Accutest New Jersey

**Project:** ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

**Method:** SW846 8141B

**Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 <sup>a</sup>
JA58900-5	ZZ11474.D	112.0
JA58900-6	ZZ11475.D	121.0
OP34761-BS	ZZ11472.D	137.0*
OP34761-MB	ZZ11473.D	90.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = Triphenyl phosphate	55-128%
--------------------------	---------

(a) Recovery from GC signal #1

19.4.1  
19

## Semivolatile Surrogate Recovery Summary

Page 1 of 1

**Job Number:** JA58900

**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 <sup>a</sup>
JA58900-1	ZZ11456.D	107.0
JA58900-2	ZZ11457.D	125.0
JA58900-3	ZZ11458.D	109.0
JA58900-4	ZZ11463.D	105.0
JA58900-7	ZZ11464.D	106.0
JA58900-8	ZZ11465.D	123.0
JA58900-9	ZZ11466.D	101.0
JA58900-10	ZZ11467.D	127.0
JA58900-11	ZZ11468.D	126.0
JA58900-12	ZZ11469.D	104.0
JA58900-14	ZZ11470.D	115.0
OP34758-BS	ZZ11454.D	112.0
OP34758-MB	ZZ11455.D	93.0
OP34758-MS	ZZ11459.D	124.0
OP34758-MSD	ZZ11460.D	114.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = Triphenyl phosphate	48-133%
--------------------------	---------

(a) Recovery from GC signal #1

19.4.2

19

## GC Surrogate Retention Time Summary

Page 1 of 1

**Job Number:** JA58900

**Account:** ALNJ Accutest New Jersey

**Project:** ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

**Check Std:** GZZ439-CC437

**Injection Date:** 10/21/10

**Lab File ID:** ZZ11451.D

**Injection Time:** 10:04

**Instrument ID:** GCZZ

**Method:** SW846 8141B

**S1<sup>a</sup>**

**RT**

Check Std

20.13

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 <sup>a</sup> RT
OP34758-BS	ZZ11454.D	10/21/10	12:33	20.13
OP34758-MB	ZZ11455.D	10/21/10	13:03	20.13
JA58900-1	ZZ11456.D	10/21/10	13:32	20.13
JA58900-2	ZZ11457.D	10/21/10	14:01	20.13
JA58900-3	ZZ11458.D	10/21/10	14:31	20.13
OP34758-MS	ZZ11459.D	10/21/10	15:00	20.13
OP34758-MSD	ZZ11460.D	10/21/10	15:30	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:** JA58900

**Account:** ALNJ Accutest New Jersey

**Project:** ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

**Check Std:** GZZ439-CC437

**Injection Date:** 10/21/10

**Lab File ID:** ZZ11461.D

**Injection Time:** 15:59

**Instrument ID:** GCZZ

**Method:** SW846 8141B

**S1<sup>a</sup>**

**RT**

Check Std

20.13

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 <sup>a</sup> RT
JA58900-4	ZZ11463.D	10/21/10	16:58	20.13
JA58900-7	ZZ11464.D	10/21/10	17:27	20.13
JA58900-8	ZZ11465.D	10/21/10	17:57	20.13
JA58900-9	ZZ11466.D	10/21/10	18:26	20.13
JA58900-10	ZZ11467.D	10/21/10	18:55	20.13
JA58900-11	ZZ11468.D	10/21/10	19:25	20.13
JA58900-12	ZZ11469.D	10/21/10	19:54	20.13
JA58900-14	ZZ11470.D	10/21/10	20:24	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:** JA58900

**Account:** ALNJ Accutest New Jersey

**Project:** ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

**Check Std:** GZZ439-CC437

**Injection Date:** 10/21/10

**Lab File ID:** ZZ11471.D

**Injection Time:** 20:53

**Instrument ID:** GCZZ

**Method:** SW846 8141B

**S1<sup>a</sup>**   **S1<sup>b</sup>**  
**RT**   **RT**

Check Std	20.13	19.81
-----------	-------	-------

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 <sup>a</sup> RT	S1 <sup>b</sup> RT
OP34761-BS	ZZ11472.D	10/21/10	21:23	20.13	
OP34761-MB	ZZ11473.D	10/21/10	21:52	20.13	
JA58900-5	ZZ11474.D	10/21/10	22:21	20.13	
JA58900-6	ZZ11475.D	10/21/10	22:50	20.13	
GZZ439-ECC437	ZZ11476.D	10/21/10	23:20	20.13	19.81

### 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: JA58900

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

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# Initial Calibration Summary

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Job Number: JA58900

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



# Initial Calibration Summary

Job Number: JA58900

Account: ALNJ Accutest New Jersey

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: GZZ437-ICC437

Lab FileID: ZZ11406.D

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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 7.27

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: JA58900

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

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## Initial Calibration Verification

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Job Number: JA58900

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

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## Initial Calibration Verification

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Job Number: JA58900

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: JA58900

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

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## Continuing Calibration Summary

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Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11451.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

## Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102110\ZZ11451.D\FPD1A.CH Vial: 2  
 Signal #2 : C:\msdchem\2\DATA\102110\ZZ11451.D\FPD2B.CH  
 Acq On : 21-Oct-10, 10:04:36 Operator: neilc1  
 Sample : cc437-600 Inst : FPD 1  
 Misc : op34745,gzz439,30.3,,,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	628.873	-4.8	104	0.00	6.93- 7.13
2	Dichlorvos	600.000	719.164	-19.9	123	0.00	8.14- 8.34
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	592.839	1.2	98	0.00	10.31-10.51
4	TEPP	2400.000	1994.172	16.9	64	0.00	11.60-12.10
5	Demeton-S	600.000	593.410	1.1	106	0.00	12.11-12.31
6	Thionazin	600.000	658.894	-9.8	111	0.00	12.15-12.35
----- Amount Calc. %Drift -----							
7	Ethoprop	600.000	656.139	-9.4	111	0.00	12.40-12.60
8	Sulfotep	600.000	666.835	-11.1	111	0.00	12.70-12.90
----- Amount Calc. %Drift -----							
9	Naled	2400.000	2081.990	13.3	79	0.00	12.77-12.97
----- Amount Calc. %Drift -----							
10	Phorate	600.000	621.983	-3.7	104	0.00	13.01-13.21
----- Amount Calc. %Drift -----							
11	Monocrotophos	2400.000	2778.140	-15.8	118	0.00	13.21-13.61
12	Demeton-O	600.000	667.420	-11.2	114	0.00	13.45-13.65
13	Dimethoate	600.000	662.504	-10.4	110	0.00	13.78-13.98
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	612.858	-2.1	105	0.00	13.89-14.09
15	Disulfoton	600.000	605.789	-1.0	103	0.00	14.23-14.43
16	Ronnel	600.000	592.317	1.3	100	0.00	15.37-15.57
17	Methyl Parathion	600.000	631.026	-5.2	105	0.00	15.46-15.66
18	Malathion	600.000	653.260	-8.9	108	0.00	15.85-16.05
19	Chlorpyrifos	600.000	612.820	-2.1	104	0.00	15.98-16.18
20	Fenthion	600.000	618.672	-3.1	105	0.00	16.20-16.40
21	Trichloronate	600.000	594.649	0.9	101	0.00	16.27-16.47
22	Ethyl Parathion	600.000	672.663	-12.1	111	0.00	16.35-16.55
23	Merphos	2400.000	2131.695	11.2	94	0.00	16.65-16.85
----- Amount Calc. %Drift -----							
24	Stirophos	600.000	637.776	-6.3	109	0.00	17.61-17.81
----- Amount Calc. %Drift -----							
25	Tokuthion	600.000	602.329	-0.4	105	0.00	17.86-18.06

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# Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11451.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	667.084	-11.2	116	0.00	17.61-18.61
27	Ethion	600.000	679.422	-13.2	111	0.00	18.90-19.10
28	Fensulfothion	600.000	759.351	-26.6#	107	0.00	19.16-19.36
29	Bolstar	600.000	644.643	-7.4	108	0.00	19.32-19.52
30	Carbophenothion	600.000	665.088	-10.8	111	0.00	19.57-19.77
----- Amount Calc. %Drift -----							
31	Famphur	600.000	695.859	-16.0	118	0.00	19.69-19.89
----- Amount Calc. %Drift -----							
32 S	Triphenylphosphate	600.000	653.008	-8.8	108	0.00	20.03-20.23
33	EPN	600.000	674.895	-12.5	109	0.00	20.61-20.81
34	Methyl Azinphos	600.000	733.621	-22.3#	103	0.00	21.23-21.43
35	Coumaphos	600.000	775.847	-29.3#	109	0.00	22.00-22.20
***** Signal #2 *****							
1	O,O,O-Triethylphosphor	600.000	557.806	7.0	89	0.00	7.31- 7.51
2	Dichlorvos	600.000	611.518	-1.9	106	0.00	8.36- 8.56
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	473.964	21.0#	75	0.00	10.36-10.56
4	TEPP	2400.000	1710.786	28.7#	46	-0.01	11.68-12.18
5	Demeton-S	600.000	478.506	20.2#	72	0.00	12.25-12.45
6	Thionazin	600.000	463.521	22.7#	72	0.00	12.18-12.38
7	Ethoprop	600.000	347.255	42.1#	51	-0.01	12.48-12.68
8	Sulfotep	600.000	556.409	7.3	90	0.00	12.98-13.18
9	Naled	2400.000	1866.773	22.2#	69	0.00	12.73-12.93
10	Phorate	600.000	438.760	26.9#	76	0.00	13.09-13.29
11	Monocrotophos	2400.000	2103.134	12.4	67	-0.02	12.84-13.23
12	Demeton-O	600.000	460.452	23.3#	72	-0.01	13.40-13.60
13	Dimethoate	600.000	526.609	12.2	83	-0.01	13.43-13.63
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	488.917	18.5	80	-0.01	14.13-14.33
15	Disulfoton	600.000	515.241	14.1	82	-0.01	14.24-14.44
----- Amount Calc. %Drift -----							
16	Ronnel	600.000	507.847	15.4	81	-0.01	15.06-15.26
17	Methyl Parathion	600.000	537.367	10.4	88	-0.01	15.37-15.57
18	Malathion	600.000	535.464	10.8	85	-0.01	15.80-16.00
19	Chlorpyrifos	600.000	545.129	9.1	88	-0.01	16.04-16.24
20	Fenthion	600.000	551.682	8.1	90	-0.01	15.98-16.18
----- Amount Calc. %Drift -----							
21	Trichloronate	600.000	547.709	8.7	92	-0.01	16.30-16.50
----- Amount Calc. %Drift -----							
22	Ethyl Parathion	600.000	545.129	9.1	88	-0.01	16.04-16.24
23	Merphos	2400.000	1981.737	17.4	80	-0.01	16.72-16.92
24	Stirophos	600.000	581.729	3.0	95	-0.01	17.37-17.57
25	Tokuthion	600.000	548.455	8.6	92	-0.01	17.75-17.95
26	Merphos Oxone	600.000	425.620	29.1#	62	-0.02	17.86-18.07
27	Ethion	600.000	587.559	2.1	96	-0.02	18.78-18.98
28	Fensulfothion	600.000	605.564	-0.9	94	-0.01	18.59-18.79
29	Bolstar	600.000	571.558	4.7	94	-0.01	19.01-19.21
30	Carbophenothion	600.000	623.106	-3.9	103	-0.01	19.19-19.39
31	Famphur	600.000	624.905	-4.2	101	-0.01	19.15-19.35
32 S	Triphenylphosphate	600.000	351.849	41.4#	46	-0.01	19.70-19.90
33	EPN	600.000	577.369	3.8	88	-0.01	20.19-20.39

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## Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11451.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	592.259	1.3	89	-0.01	20.70-20.90
35	Coumaphos	600.000	650.954	-8.5	105	-0.01	21.58-21.78

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ZZ11407.D 8141-1013.m

Fri Oct 22 07:16:42 2010

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## Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11461.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

## Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102110\ZZ11461.D\FPD1A.CH Vial: 2  
 Signal #2 : C:\msdchem\2\DATA\102110\ZZ11461.D\FPD2B.CH  
 Acq On : 21-Oct-10, 15:59:29 Operator: neilc1  
 Sample : cc437-600 Inst : FPD 1  
 Misc : op34758,gzz439,30.0,,,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	638.291	-6.4	105	0.00	6.93- 7.13
2	Dichlorvos	600.000	815.683	-35.9#	140	0.00	8.14- 8.34
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	652.601	-8.8	110	0.00	10.31-10.51
4	TEPP	2400.000	2141.011	10.8	73	0.00	11.60-12.10
5	Demeton-S	600.000	595.952	0.7	106	0.00	12.11-12.31
6	Thionazin	600.000	647.843	-8.0	109	0.00	12.15-12.35
----- Amount Calc. %Drift -----							
7	Ethoprop	600.000	648.461	-8.1	110	0.00	12.40-12.60
8	Sulfotep	600.000	648.845	-8.1	108	0.00	12.70-12.90
----- Amount Calc. %Drift -----							
9	Naled	2400.000	1729.589	27.9#	62	0.00	12.77-12.97
----- Amount Calc. %Drift -----							
10	Phorate	600.000	608.953	-1.5	102	0.00	13.01-13.21
----- Amount Calc. %Drift -----							
11	Monocrotophos	2400.000	2689.229	-12.1	112	0.00	13.21-13.61
12	Demeton-O	600.000	686.682	-14.4	118	0.00	13.45-13.65
13	Dimethoate	600.000	638.777	-6.5	105	0.00	13.78-13.98
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	594.620	0.9	102	0.00	13.89-14.09
15	Disulfoton	600.000	594.328	0.9	101	0.00	14.23-14.43
16	Ronnel	600.000	580.404	3.3	98	0.00	15.37-15.57
17	Methyl Parathion	600.000	608.602	-1.4	101	0.00	15.46-15.66
18	Malathion	600.000	626.820	-4.5	104	0.00	15.85-16.05
19	Chlorpyrifos	600.000	594.783	0.9	101	0.00	15.98-16.18
20	Fenthion	600.000	593.527	1.1	101	0.00	16.20-16.40
21	Trichloronate	600.000	575.042	4.2	98	0.00	16.27-16.47
22	Ethyl Parathion	600.000	639.194	-6.5	106	0.00	16.35-16.55
23	Merphos	2400.000	2074.484	13.6	91	0.00	16.65-16.85
----- Amount Calc. %Drift -----							
24	Stirophos	600.000	625.847	-4.3	106	0.00	17.61-17.81
----- Amount Calc. %Drift -----							
25	Tokuthion	600.000	578.123	3.6	101	0.00	17.86-18.06

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# Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample:

GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID:

ZZ11461.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	669.199	-11.5	116	0.00	17.61-18.61
27	Ethion	600.000	644.750	-7.5	105	0.00	18.90-19.10
28	Fensulfothion	600.000	706.327	-17.7	100	0.00	19.16-19.36
29	Bolstar	600.000	610.056	-1.7	102	0.00	19.32-19.52
30	Carbophenothion	600.000	623.730	-4.0	104	0.00	19.57-19.77

		Amount	Calc.	%Drift			
31	Famphur	600.000	650.149	-8.4	107	0.00	19.69-19.89

		Amount	Calc.	%Drift			
32 S	Triphenylphosphate	600.000	626.997	-4.5	104	0.00	20.03-20.23
33	EPN	600.000	612.361	-2.1	99	0.00	20.61-20.81
34	Methyl Azinphos	600.000	680.830	-13.5	96	0.00	21.23-21.43
35	Coumaphos	600.000	691.450	-15.2	97	0.00	22.00-22.20

\*\*\*\*\* Signal #2 \*\*\*\*\*

1	O,O,O-Triethylphosphor	600.000	558.746	6.9	90	0.00	7.31- 7.51
2	Dichlorvos	600.000	692.231	-15.4	120	0.00	8.36- 8.56

		Amount	Calc.	%Drift			
3	Mevinphos	600.000	387.644	35.4#	59	-0.01	10.36-10.56
4	TEPP	2400.000	1731.301	27.9#	47	-0.01	11.68-12.18
5	Demeton-S	600.000	416.286	30.6#	62	-0.01	12.25-12.45
6	Thionazin	600.000	429.746	28.4#	66	-0.01	12.18-12.38
7	Ethoprop	600.000	265.778	55.7#	38	-0.01	12.48-12.68
8	Sulfotep	600.000	529.104	11.8	85	-0.01	12.98-13.18
9	Naled	2400.000	1555.804	35.2#	55	-0.01	12.73-12.93
10	Phorate	600.000	428.593	28.6#	74	-0.01	13.09-13.29
11	Monocrotophos	2400.000	1937.035	19.3	54	-0.02	12.84-13.23
12	Demeton-O	600.000	446.235	25.6#	69	-0.02	13.40-13.60
13	Dimethoate	600.000	449.618	25.1#	68	-0.01	13.43-13.63

		Amount	Calc.	%Drift			
14	Diazinon	600.000	434.133	27.6#	71	-0.01	14.13-14.33
15	Disulfoton	600.000	462.188	23.0#	74	-0.01	14.24-14.44

		Amount	Calc.	%Drift			
16	Ronnel	600.000	453.843	24.4#	70	-0.01	15.06-15.26
17	Methyl Parathion	600.000	514.312	14.3	83	-0.01	15.37-15.57
18	Malathion	600.000	485.662	19.1	75	-0.01	15.80-16.00
19	Chlorpyrifos	600.000	503.879	16.0	81	-0.02	16.04-16.24
20	Fenthion	600.000	520.806	13.2	84	-0.01	15.98-16.18

		Amount	Calc.	%Drift			
21	Trichloronate	600.000	512.618	14.6	86	-0.02	16.30-16.50

		Amount	Calc.	%Drift			
22	Ethyl Parathion	600.000	503.879	16.0	81	-0.02	16.04-16.24
23	Merphos	2400.000	1844.242	23.2#	74	-0.02	16.72-16.92
24	Stirophos	600.000	551.234	8.1	88	-0.02	17.37-17.57
25	Tokuthion	600.000	515.622	14.1	85	-0.02	17.75-17.95
26	Merphos Oxone	600.000	371.028	38.2#	51	-0.02	17.86-18.07
27	Ethion	600.000	552.742	7.9	89	-0.02	18.78-18.98
28	Fensulfothion	600.000	552.583	7.9	80	-0.01	18.59-18.79
29	Bolstar	600.000	541.437	9.8	87	-0.02	19.01-19.21
30	Carbophenothion	600.000	587.347	2.1	95	-0.02	19.19-19.39
31	Famphur	600.000	596.243	0.6	94	-0.02	19.15-19.35
32 S	Triphenylphosphate	600.000	316.534	47.2#	39	0.01	19.70-19.90
33	EPN	600.000	505.340	15.8	73	-0.02	20.19-20.39

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# Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11461.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	565.803	5.7	83	-0.01	20.70-20.90
35	Coumaphos	600.000	590.214	1.6	90	-0.01	21.58-21.78

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ZZ11407.D 8141-1013.m

Fri Oct 22 07:16:44 2010

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## Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11471.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

## Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102110\ZZ11471.D\FPD1A.CH Vial: 2  
 Signal #2 : C:\msdchem\2\DATA\102110\ZZ11471.D\FPD2B.CH  
 Acq On : 21-Oct-10, 20:53:41 Operator: neilc1  
 Sample : cc437-600 Inst : FPD 1  
 Misc : op34758,gzz439,30.0,,,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	638.272	-6.4	105	0.00	6.93- 7.13
2	Dichlorvos	600.000	1020.636	-70.1#	175	0.00	8.14- 8.34
	-----	Amount	Calc.	%Drift	-----		
3	Mevinphos	600.000	620.381	-3.4	103	0.00	10.31-10.51
4	TEPP	2400.000	2354.948	1.9	86	0.00	11.60-12.10
5	Demeton-S	600.000	633.671	-5.6	113	0.00	12.11-12.31
6	Thionazin	600.000	661.382	-10.2	112	0.00	12.15-12.35
	-----	Amount	Calc.	%Drift	-----		
7	Ethoprop	600.000	676.690	-12.8	114	0.00	12.40-12.60
8	Sulfotep	600.000	670.577	-11.8	111	0.00	12.70-12.90
	-----	Amount	Calc.	%Drift	-----		
9	Naled	2400.000	1063.075	55.7#	34	0.00	12.77-12.97
	-----	Amount	Calc.	%Drift	-----		
10	Phorate	600.000	627.265	-4.5	105	0.00	13.01-13.21
	-----	Amount	Calc.	%Drift	-----		
11	Monocrotophos	2400.000	2802.203	-16.8	120	0.00	13.21-13.61
12	Demeton-O	600.000	639.158	-6.5	109	0.00	13.45-13.65
13	Dimethoate	600.000	650.967	-8.5	107	0.00	13.78-13.98
	-----	Amount	Calc.	%Drift	-----		
14	Diazinon	600.000	614.860	-2.5	106	0.00	13.89-14.09
15	Disulfoton	600.000	609.722	-1.6	104	0.00	14.23-14.43
16	Ronnel	600.000	601.948	-0.3	102	0.00	15.37-15.57
17	Methyl Parathion	600.000	627.562	-4.6	104	0.00	15.46-15.66
18	Malathion	600.000	649.902	-8.3	108	0.00	15.85-16.05
19	Chlorpyrifos	600.000	615.811	-2.6	104	0.00	15.98-16.18
20	Fenthion	600.000	618.065	-3.0	105	0.00	16.20-16.40
21	Trichloronate	600.000	602.619	-0.4	103	0.00	16.27-16.47
22	Ethyl Parathion	600.000	684.745	-14.1	113	0.00	16.35-16.55
23	Merphos	2400.000	2120.626	11.6	93	0.00	16.65-16.85
	-----	Amount	Calc.	%Drift	-----		
24	Stirophos	600.000	664.208	-10.7	114	0.00	17.61-17.81
	-----	Amount	Calc.	%Drift	-----		
25	Tokuthion	600.000	612.940	-2.2	107	0.00	17.86-18.06

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# Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11471.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	757.971	-26.3#	131	0.00	17.61-18.61
27	Ethion	600.000	691.195	-15.2	113	0.00	18.90-19.10
28	Fensulfothion	600.000	751.167	-25.2#	106	0.00	19.16-19.36
29	Bolstar	600.000	646.138	-7.7	108	0.00	19.32-19.52
30	Carbophenothion	600.000	665.697	-10.9	111	0.00	19.57-19.77

		Amount	Calc.	%Drift			
31	Famphur	600.000	695.481	-15.9	118	0.00	19.69-19.89

		Amount	Calc.	%Drift			
32 S	Triphenylphosphate	600.000	672.937	-12.2	111	0.00	20.03-20.23
33	EPN	600.000	630.809	-5.1	102	0.00	20.61-20.81
34	Methyl Azinphos	600.000	698.041	-16.3	98	0.00	21.23-21.43
35	Coumaphos	600.000	717.496	-19.6	100	0.00	22.00-22.20

\*\*\*\*\* Signal #2 \*\*\*\*\*

1	O,O,O-Triethylphosphor	600.000	571.862	4.7	92	0.00	7.31- 7.51
2	Dichlorvos	600.000	856.486	-42.7#	148	0.00	8.36- 8.56

		Amount	Calc.	%Drift			
3	Mevinphos	600.000	395.034	34.2#	61	-0.01	10.36-10.56
4	TEPP	2400.000	1902.402	20.7#	57	-0.02	11.68-12.18
5	Demeton-S	600.000	422.426	29.6#	63	-0.01	12.25-12.45
6	Thionazin	600.000	432.286	28.0#	66	-0.01	12.18-12.38
7	Ethoprop	600.000	245.465	59.1#	34	-0.01	12.48-12.68
8	Sulfotep	600.000	523.961	12.7	85	-0.01	12.98-13.18
9	Naled	2400.000	907.750	62.2#	29	-0.01	12.73-12.93
10	Phorate	600.000	380.765	36.5#	66	-0.01	13.09-13.29
11	Monocrotophos	2400.000	2020.879	15.8	60	-0.02	12.84-13.23
12	Demeton-O	600.000	455.221	24.1#	71	-0.02	13.40-13.60
13	Dimethoate	600.000	432.426	27.9#	64	-0.02	13.43-13.63

		Amount	Calc.	%Drift			
14	Diazinon	600.000	423.867	29.4#	70	-0.01	14.13-14.33
15	Disulfoton	600.000	459.098	23.5#	73	-0.01	14.24-14.44

		Amount	Calc.	%Drift			
16	Ronnel	600.000	459.242	23.5#	71	-0.01	15.06-15.26
17	Methyl Parathion	600.000	529.138	11.8	86	-0.02	15.37-15.57
18	Malathion	600.000	485.415	19.1	75	-0.02	15.80-16.00
19	Chlorpyrifos	600.000	516.668	13.9	83	-0.02	16.04-16.24
20	Fenthion	600.000	539.007	10.2	88	-0.02	15.98-16.18

		Amount	Calc.	%Drift			
21	Trichloronate	600.000	537.773	10.4	90	-0.02	16.30-16.50

		Amount	Calc.	%Drift			
22	Ethyl Parathion	600.000	516.668	13.9	83	-0.02	16.04-16.24
23	Merphos	2400.000	1827.959	23.8#	73	-0.02	16.72-16.92
24	Stirophos	600.000	566.331	5.6	91	-0.02	17.37-17.57
25	Tokuthion	600.000	541.669	9.7	91	-0.02	17.75-17.95
26	Merphos Oxone	600.000	367.482	38.8#	50	-0.02	17.86-18.07
27	Ethion	600.000	586.069	2.3	96	-0.02	18.78-18.98
28	Fensulfothion	600.000	571.160	4.8	85	-0.02	18.59-18.79
29	Bolstar	600.000	571.702	4.7	94	-0.02	19.01-19.21
30	Carbophenothion	600.000	610.697	-1.8	100	-0.02	19.19-19.39
31	Famphur	600.000	627.707	-4.6	102	-0.02	19.15-19.35
32 S	Triphenylphosphate	600.000	323.340	46.1#	40	0.00	19.70-19.90
33	EPN	600.000	525.924	12.3	77	-0.02	20.19-20.39

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## Continuing Calibration Summary

Page 3 of 3

Job Number: JA58900

Sample: GZZ439-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11471.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	581.396	3.1	87	-0.01	20.70-20.90
35	Coumaphos	600.000	608.677	-1.4	94	-0.02	21.58-21.78

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ZZ11407.D 8141-1013.m

Fri Oct 22 07:16:46 2010

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## Continuing Calibration Summary

Page 1 of 3

Job Number: JA58900

Sample: GZZ439-ECC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11476.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

## Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102110\ZZ11476.D\FPD1A.CH Vial: 2  
 Signal #2 : C:\msdchem\2\DATA\102110\ZZ11476.D\FPD2B.CH  
 Acq On : 21-Oct-10, 23:20:25 Operator: neilc1  
 Sample : ecc437-600 Inst : FPD 1  
 Misc : op34761,gzz439,1000,,,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	600.000	654.739	-9.1	108	0.00	6.93- 7.13
2	Dichlorvos	600.000	992.946	-65.5#	170	0.00	8.14- 8.34
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	640.617	-6.8	107	0.00	10.31-10.51
4	TEPP	2400.000	2528.761	-5.4	98	0.00	11.60-12.10
5	Demeton-S	600.000	662.648	-10.4	118	0.00	12.11-12.31
6	Thionazin	600.000	692.026	-15.3	118	0.00	12.15-12.35
----- Amount Calc. %Drift -----							
7	Ethoprop	600.000	698.195	-16.4	118	0.00	12.40-12.60
8	Sulfotep	600.000	706.133	-17.7	117	0.00	12.70-12.90
----- Amount Calc. %Drift -----							
9	Naled	2400.000	1307.096	45.5#	44	0.00	12.77-12.97
----- Amount Calc. %Drift -----							
10	Phorate	600.000	657.066	-9.5	110	0.00	13.01-13.21
----- Amount Calc. %Drift -----							
11	Monocrotophos	2400.000	2906.688	-21.1#	128	0.00	13.21-13.61
12	Demeton-O	600.000	700.377	-16.7	120	0.00	13.45-13.65
13	Dimethoate	600.000	688.048	-14.7	115	0.00	13.78-13.98
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	651.234	-8.5	112	0.00	13.89-14.09
15	Disulfoton	600.000	645.065	-7.5	110	0.00	14.23-14.43
16	Ronnel	600.000	629.933	-5.0	107	0.00	15.37-15.57
17	Methyl Parathion	600.000	654.606	-9.1	109	0.00	15.46-15.66
18	Malathion	600.000	680.422	-13.4	113	0.00	15.85-16.05
19	Chlorpyrifos	600.000	661.169	-10.2	112	0.00	15.98-16.18
20	Fenthion	600.000	655.418	-9.2	111	0.00	16.20-16.40
21	Trichloronate	600.000	633.523	-5.6	108	0.00	16.27-16.47
22	Ethyl Parathion	600.000	719.384	-19.9	119	0.00	16.35-16.55
23	Merphos	2400.000	2268.037	5.5	100	0.00	16.65-16.85
----- Amount Calc. %Drift -----							
24	Stirophos	600.000	670.830	-11.8	116	0.00	17.61-17.81
----- Amount Calc. %Drift -----							
25	Tokuthion	600.000	624.244	-4.0	109	0.00	17.86-18.06

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# Continuing Calibration Summary

Page 2 of 3

Job Number: JA58900

Sample: GZZ439-ECC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11476.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	778.813	-29.8#	135	0.00	17.61-18.61
27	Ethion	600.000	709.773	-18.3	116	0.00	18.90-19.10
28	Fensulfothion	600.000	773.113	-28.9#	109	0.00	19.16-19.36
29	Bolstar	600.000	674.215	-12.4	113	0.00	19.32-19.52
30	Carbophenothion	600.000	699.377	-16.6	116	0.00	19.57-19.77

		Amount	Calc.	%Drift			
31	Famphur	600.000	723.229	-20.5#	124	0.00	19.69-19.89

		Amount	Calc.	%Drift			
32 S	Triphenylphosphate	600.000	708.238	-18.0	117	0.00	20.03-20.23
33	EPN	600.000	647.207	-7.9	105	0.00	20.61-20.81
34	Methyl Azinphos	600.000	737.258	-22.9#	104	0.00	21.23-21.43
35	Coumaphos	600.000	749.011	-24.8#	105	0.00	22.00-22.20

\*\*\*\*\* Signal #2 \*\*\*\*\*

1	O,O,O-Triethylphosphor	600.000	567.483	5.4	91	0.00	7.31- 7.51
2	Dichlorvos	600.000	833.814	-39.0#	144	0.00	8.36- 8.56

		Amount	Calc.	%Drift			
3	Mevinphos	600.000	403.111	32.8#	62	-0.01	10.36-10.56
4	TEPP	2400.000	2048.287	14.7	65	-0.02	11.68-12.18
5	Demeton-S	600.000	432.907	27.8#	64	-0.01	12.25-12.45
6	Thionazin	600.000	450.842	24.9#	70	-0.01	12.18-12.38
7	Ethoprop	600.000	246.196	59.0#	34	-0.02	12.48-12.68
8	Sulfotep	600.000	556.272	7.3	90	-0.01	12.98-13.18
9	Naled	2400.000	1116.417	53.5#	37	-0.01	12.73-12.93
10	Phorate	600.000	421.989	29.7#	73	-0.01	13.09-13.29
11	Monocrotophos	2400.000	2023.086	15.7	61	-0.02	12.84-13.23
12	Demeton-O	600.000	431.295	28.1#	67	-0.02	13.40-13.60
13	Dimethoate	600.000	456.528	23.9#	69	-0.02	13.43-13.63

		Amount	Calc.	%Drift			
14	Diazinon	600.000	442.681	26.2#	73	-0.02	14.13-14.33
15	Disulfoton	600.000	486.041	19.0	78	-0.02	14.24-14.44

		Amount	Calc.	%Drift			
16	Ronnel	600.000	489.640	18.4	77	-0.01	15.06-15.26
17	Methyl Parathion	600.000	560.549	6.6	92	-0.02	15.37-15.57
18	Malathion	600.000	517.722	13.7	81	-0.02	15.80-16.00
19	Chlorpyrifos	600.000	543.180	9.5	88	-0.02	16.04-16.24
20	Fenthion	600.000	565.467	5.8	93	-0.02	15.98-16.18

		Amount	Calc.	%Drift			
21	Trichloronate	600.000	587.986	2.0	99	-0.02	16.30-16.50

		Amount	Calc.	%Drift			
22	Ethyl Parathion	600.000	543.180	9.5	88	-0.02	16.04-16.24
23	Merphos	2400.000	1968.071	18.0	80	-0.02	16.72-16.92
24	Stirophos	600.000	587.100	2.1	96	-0.02	17.37-17.57
25	Tokuthion	600.000	559.601	6.7	94	-0.02	17.75-17.95
26	Merphos Oxone	600.000	381.741	36.4#	53	-0.02	17.86-18.07
27	Ethion	600.000	599.172	0.1	99	-0.02	18.78-18.98
28	Fensulfothion	600.000	551.463	8.1	80	-0.02	18.59-18.79
29	Bolstar	600.000	583.715	2.7	97	-0.02	19.01-19.21
30	Carbophenothion	600.000	625.766	-4.3	103	-0.02	19.19-19.39
31	Famphur	600.000	642.192	-7.0	105	-0.02	19.15-19.35
32 S	Triphenylphosphate	600.000	311.884	48.0#	38	0.00	19.70-19.90
33	EPN	600.000	545.568	9.1	81	-0.02	20.19-20.39

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# Continuing Calibration Summary

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Job Number: JA58900

Sample: GZZ439-ECC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11476.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	607.450	-1.2	93	-0.01	20.70-20.90
35	Coumaphos	600.000	622.847	-3.8	98	-0.02	21.58-21.78

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ZZ11407.D 8141-1013.m

Fri Oct 22 07:16:48 2010

19.6.6  
19



GC Semi-volatiles

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Raw Data

(Accutest Laboratories Southeast, Inc.)

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## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
 Data File : ZZ11456.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 13:32:26  
 Operator : neilcl  
 Sample : ja58900-1  
 Misc : op34758,gzz439,30.3,,,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 22 06:43:07 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	0.000	44021181	0	537.347	N.D. #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 107.47%	0.00%#
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\102110\  
Data File : ZZ11456.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 13:32:26  
Operator : neilcl  
Sample : ja58900-1  
Misc : op34758,gzz439,30.3,,,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 22 06:43:07 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

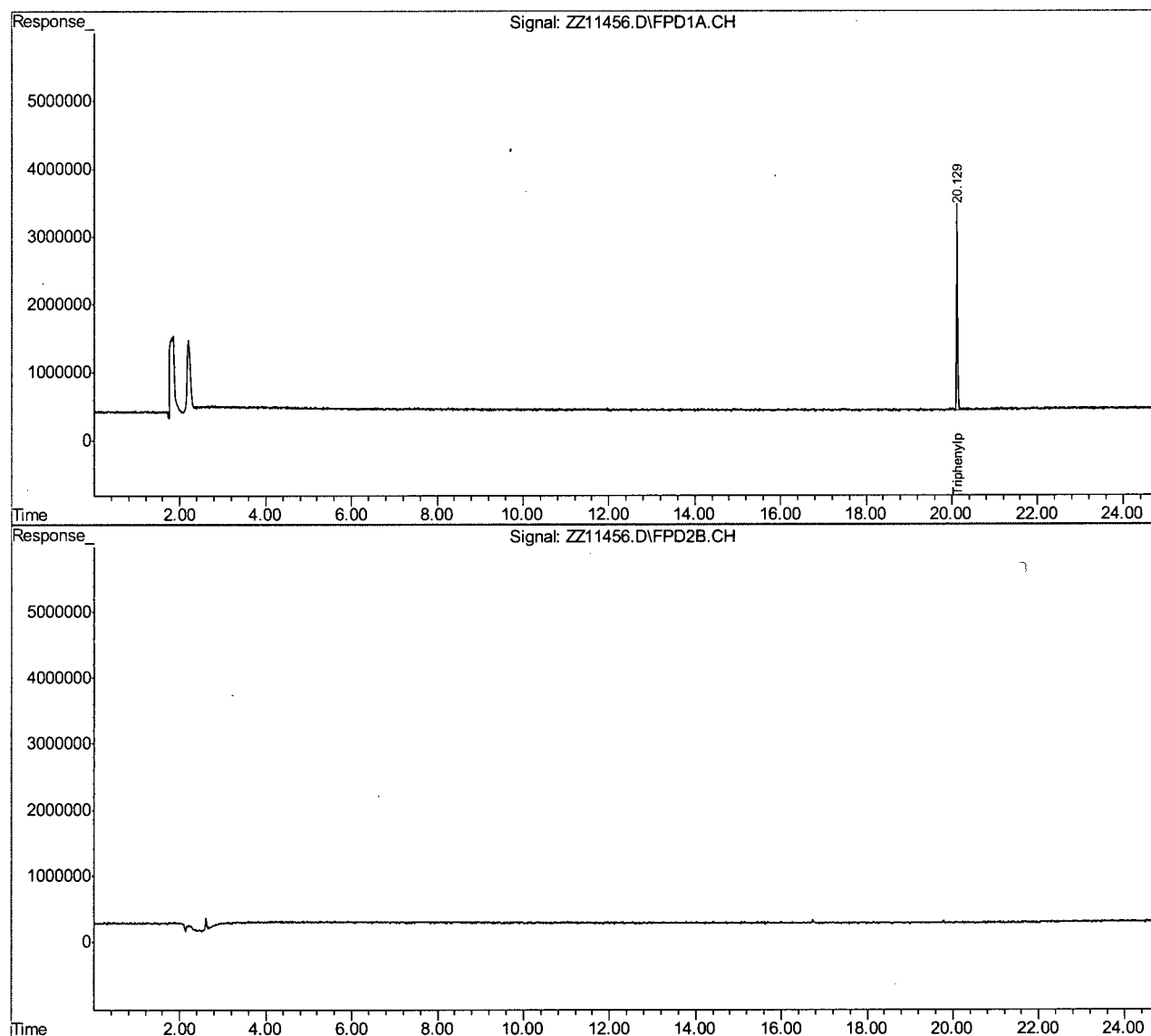
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11456.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 13:32:26  
Operator : neilcl  
Sample : ja58900-1  
Misc : op34758,gzz439,30.3,,,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 22 06:43:07 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\102110\  
 Data File : ZZ11457.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 14:01:47  
 Operator : neilc1  
 Sample : ja58900-2  
 Misc : op34758,gzz439,29.6,,,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 22 06:59:52 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...	20.128	0.000	51236952	0	625.426	N.D. #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	125.09%	0.00%#
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\102110\  
Data File : ZZ11457.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 14:01:47  
Operator : neilcl  
Sample : ja58900-2  
Misc : op34758,gzz439,29.6,,,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 22 06:59:52 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

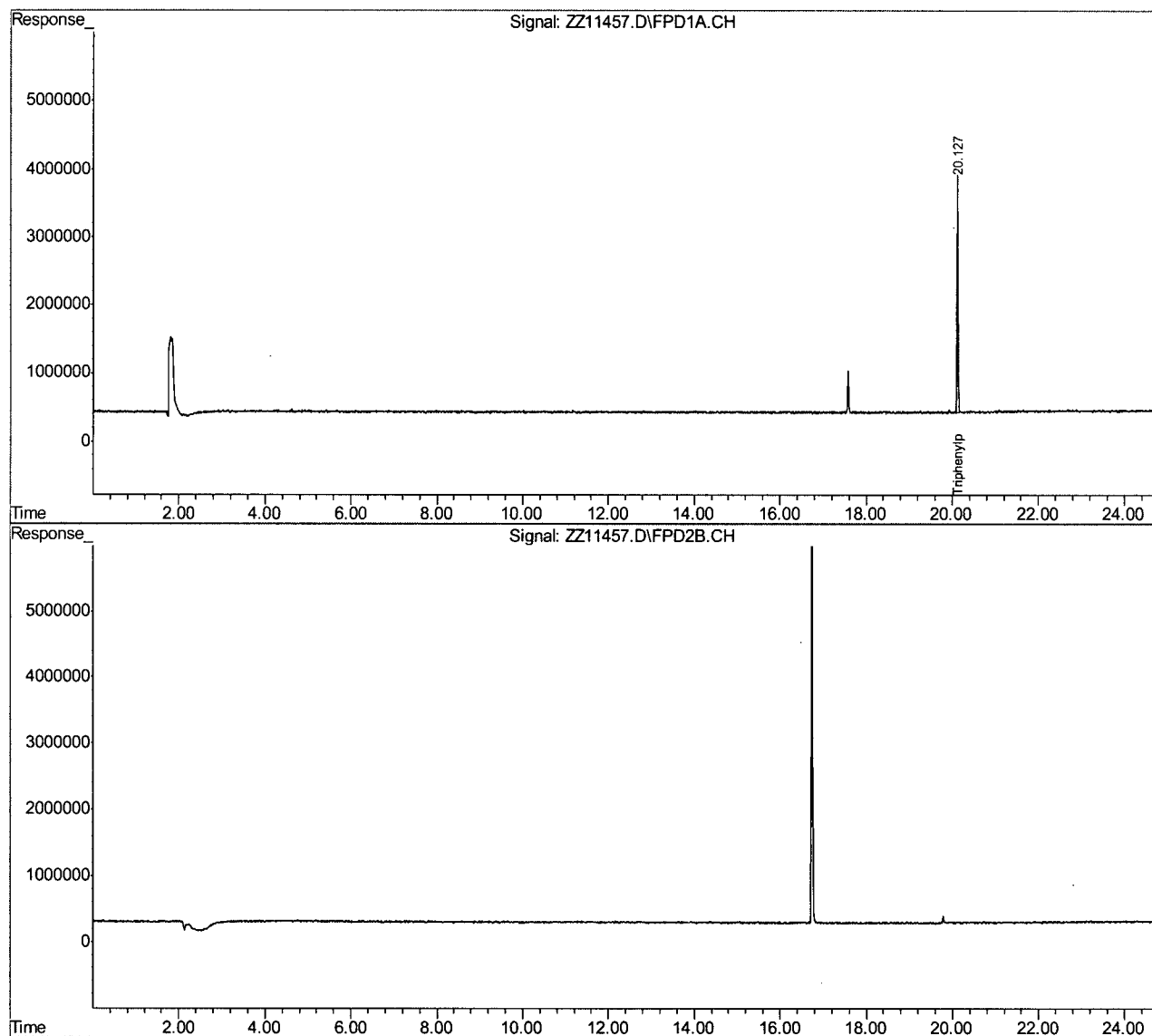
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11457.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 14:01:47  
Operator : neilc1  
Sample : ja58900-2  
Misc : op34758,gzz439,29.6,,,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 22 06:59:52 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\102110\  
 Data File : ZZ11458.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 14:31:11  
 Operator : neilc1  
 Sample : ja58900-3  
 Misc : op34758,gzz439,30.4,,,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 22 06:43:13 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	0.000	44476482	0	542.904	N.D. #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 108.58%	0.00%#
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\102110\  
Data File : ZZ11458.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 14:31:11  
Operator : neilc1  
Sample : ja58900-3  
Misc : op34758,gzz439,30.4,,,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 22 06:43:13 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

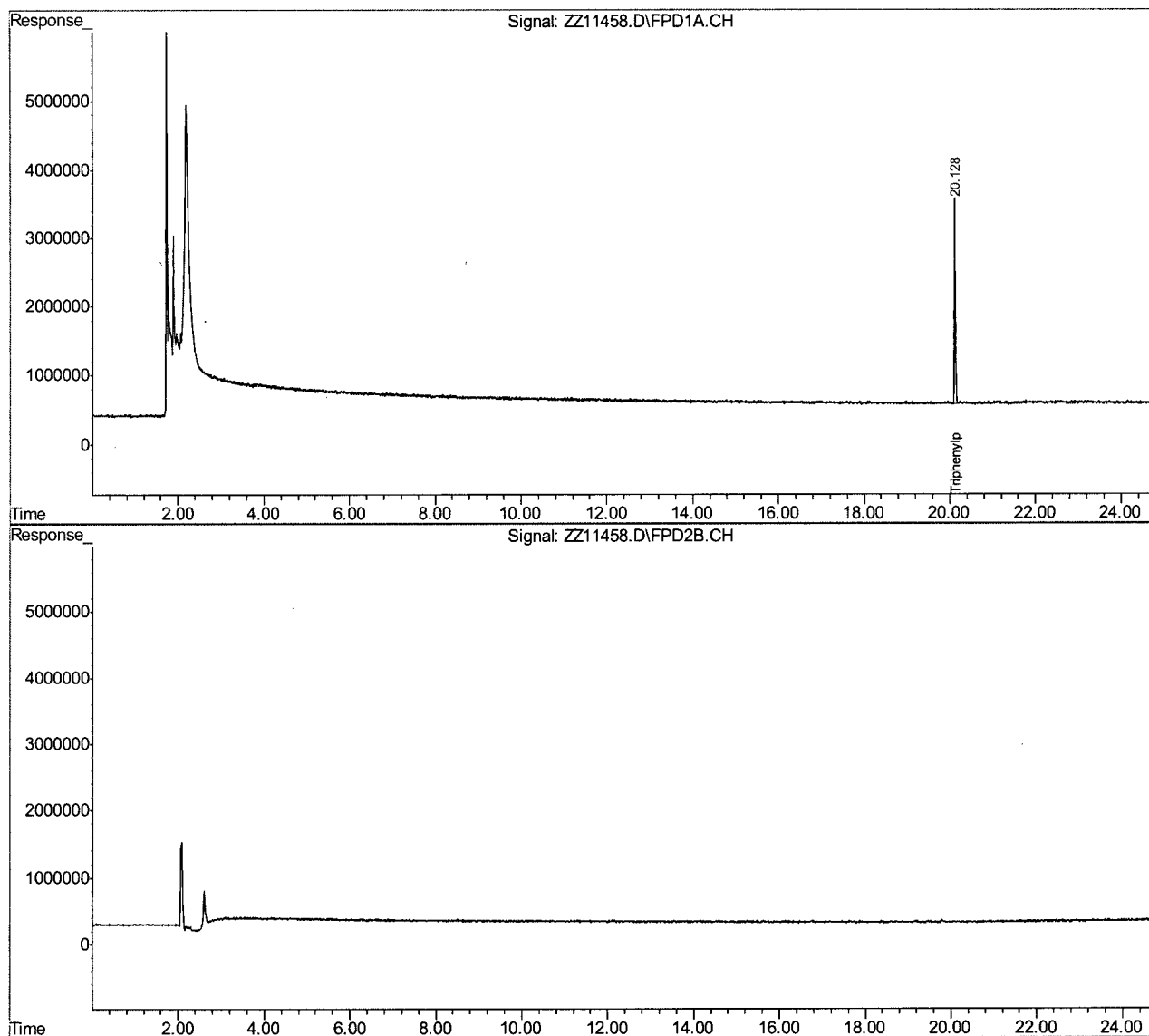
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11458.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 14:31:11  
Operator : neilcl  
Sample : ja58900-3  
Misc : op34758,gzz439,30.4,,,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 22 06:43:13 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\102110\  
Data File : ZZ11463.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 16:58:15  
Operator : neilc1  
Sample : ja58900-4  
Misc : op34758,gzz439,30.3,,,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 22 07:04:41 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...	20.129	19.786	42937204	2310146	524.115	134.476 #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	104.82%	26.90%#
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.	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\102110\  
Data File : ZZ11463.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 16:58:15  
Operator : neilc1  
Sample : ja58900-4  
Misc : op34758,gzz439,30.3,,,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 22 07:04:41 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.						

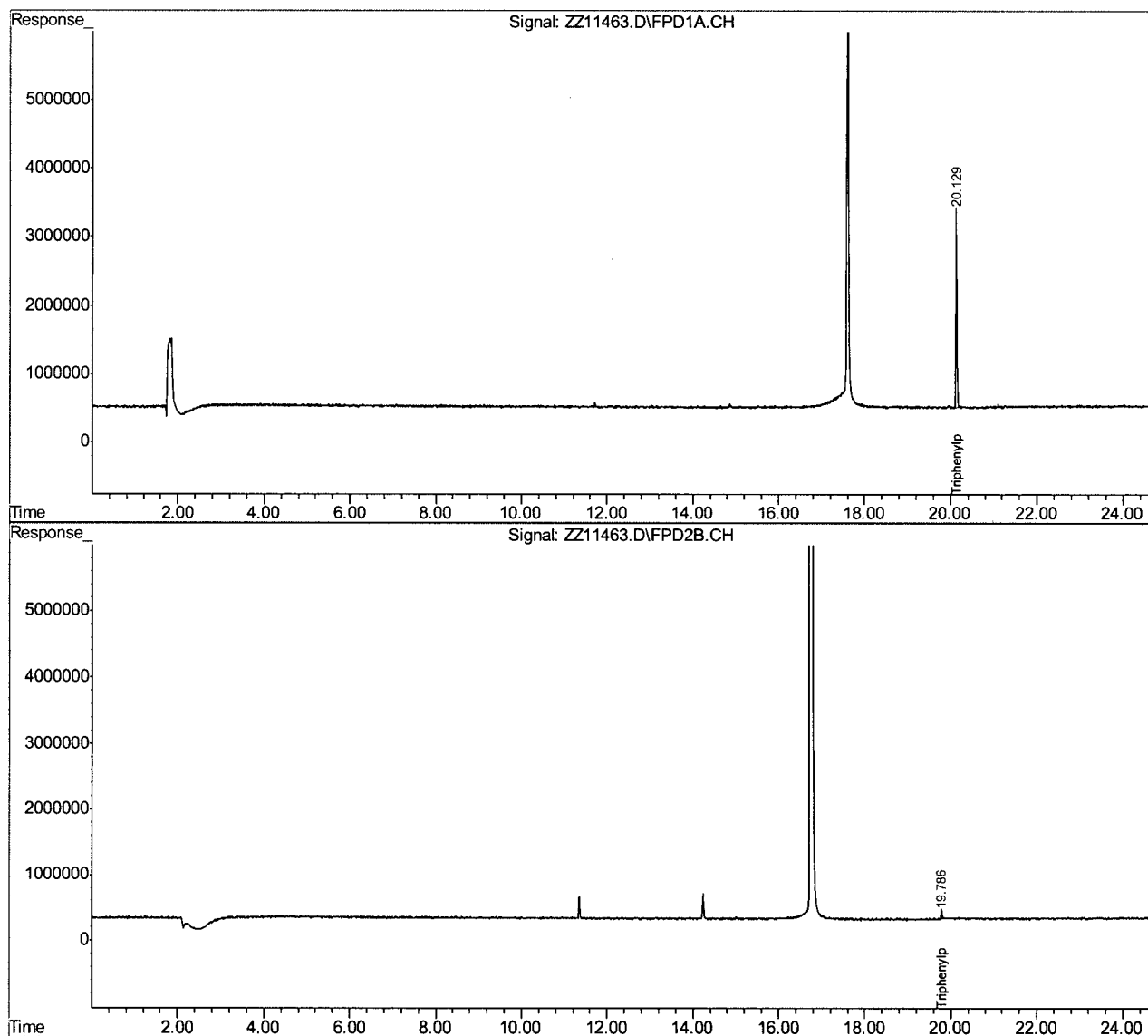


## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11463.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 16:58:15  
Operator : neilc1  
Sample : ja58900-4  
Misc : op34758,gzz439,30.3,,,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 22 07:04:41 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\102110\  
 Data File : Z211474.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 22:21:41  
 Operator : neilcl  
 Sample : ja58900-5  
 Misc : op34761,gzz439,960,,,10,1,water  
 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 22 06:44:01 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	0.000	45868117	0	559.891	N.D. #
Spiked Amount	500.000 Range	55 - 128	Recovery	=	111.98%	0.00%#
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\102110\  
Data File : ZZ11474.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 22:21:41  
Operator : neilc1  
Sample : ja58900-5  
Misc : op34761,gzz439,960,,,10,1,water  
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 22 06:44:01 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

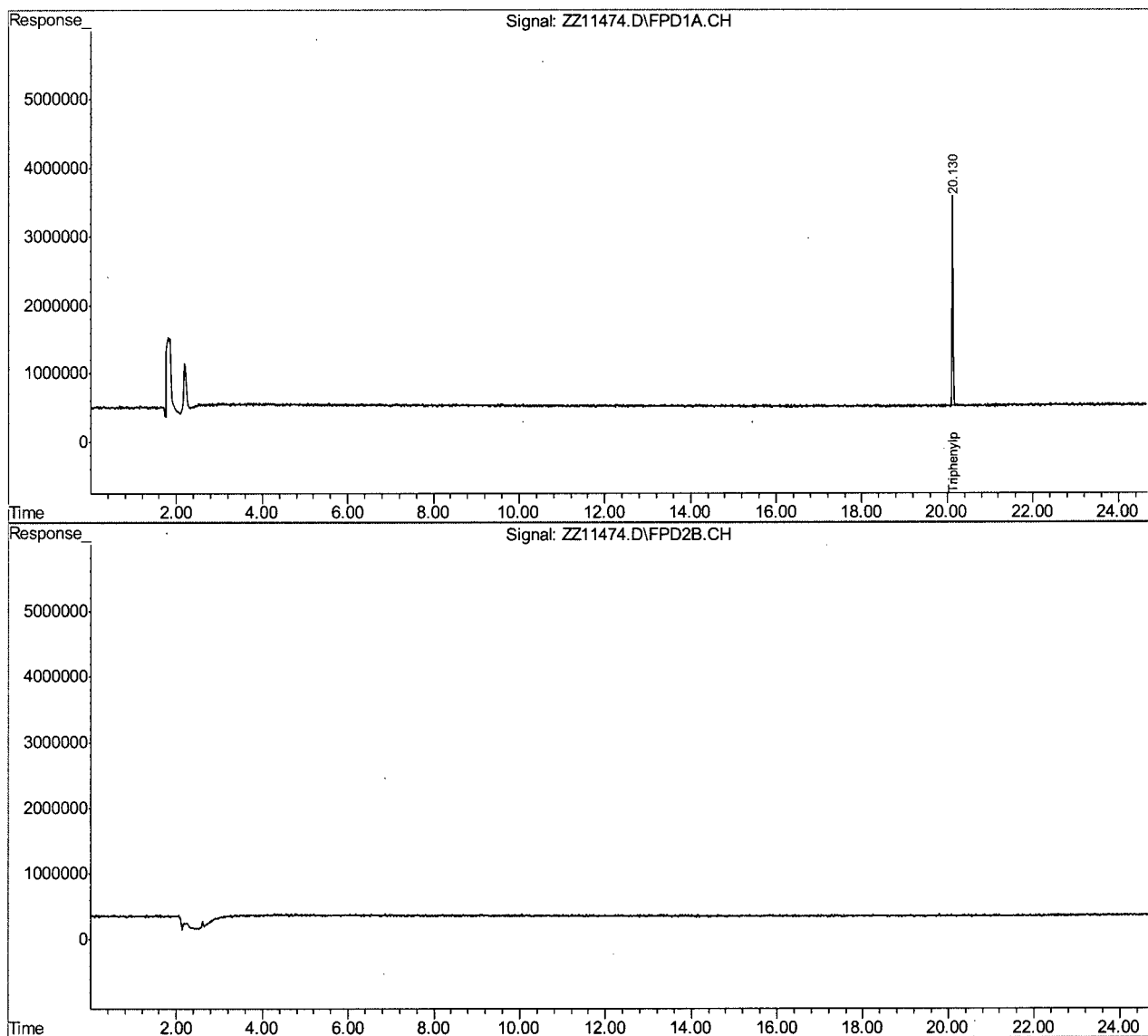
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11474.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 22:21:41  
Operator : neilc1  
Sample : ja58900-5  
Misc : op34761,gzz439,960,,,10,1,water  
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 22 06:44:01 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\102110\  
 Data File : ZZ11475.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 22:50:58  
 Operator : neilcl  
 Sample : ja58900-6  
 Misc : op34761,gzz439,980,,,10,1,water  
 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 22 06:44:04 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	0.000	49480393	0	603.985	N.D. #
Spiked Amount	500.000 Range	55 - 128	Recovery	=	120.80%	0.00%#
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\102110\  
Data File : ZZ11475.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 22:50:58  
Operator : neilcl  
Sample : ja58900-6  
Misc : op34761,gzz439,980,,,10,1,water  
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 22 06:44:04 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
----------	------	------	--------	--------	-----	-----

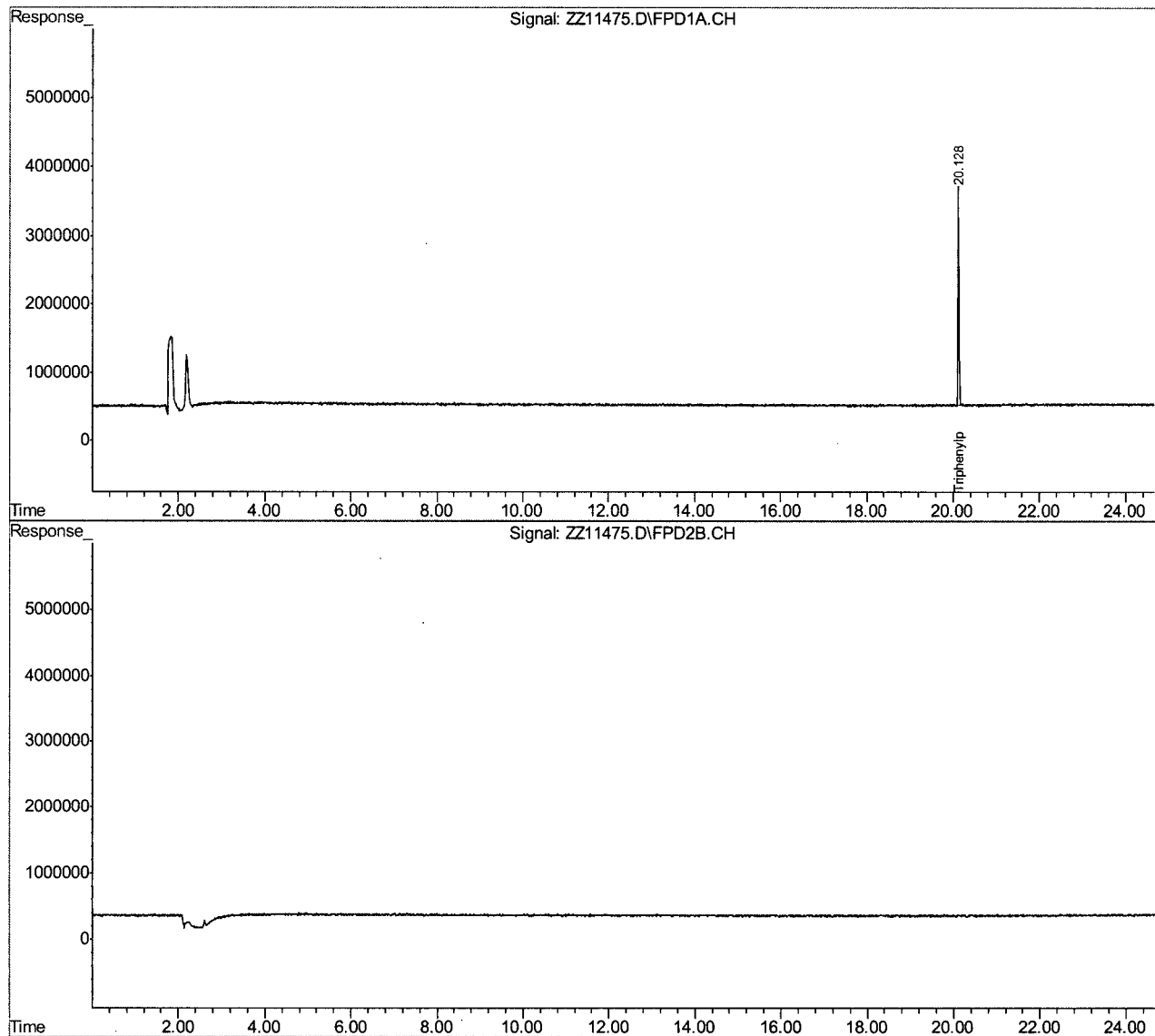
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11475.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 22:50:58  
Operator : neilc1  
Sample : ja58900-6  
Misc : op34761,gzz439,980,,,10,1,water  
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 22 06:44:04 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\102110\  
 Data File : ZZ11464.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 17:27:44  
 Operator : neilcl  
 Sample : ja58900-7  
 Misc : op34758,gzz439,29.6,,,10,1,soil  
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Oct 22 07:04:51 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	0.000	43590942	0	532.095	N.D.	#
Spiked Amount	500.000	Range	48 - 133	Recovery	= 106.42%	0.00%#	
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\102110\  
Data File : ZZ11464.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 17:27:44  
Operator : neilcl  
Sample : ja58900-7  
Misc : op34758,gzz439,29.6,,,10,1,soil  
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Oct 22 07:04:51 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
-----						

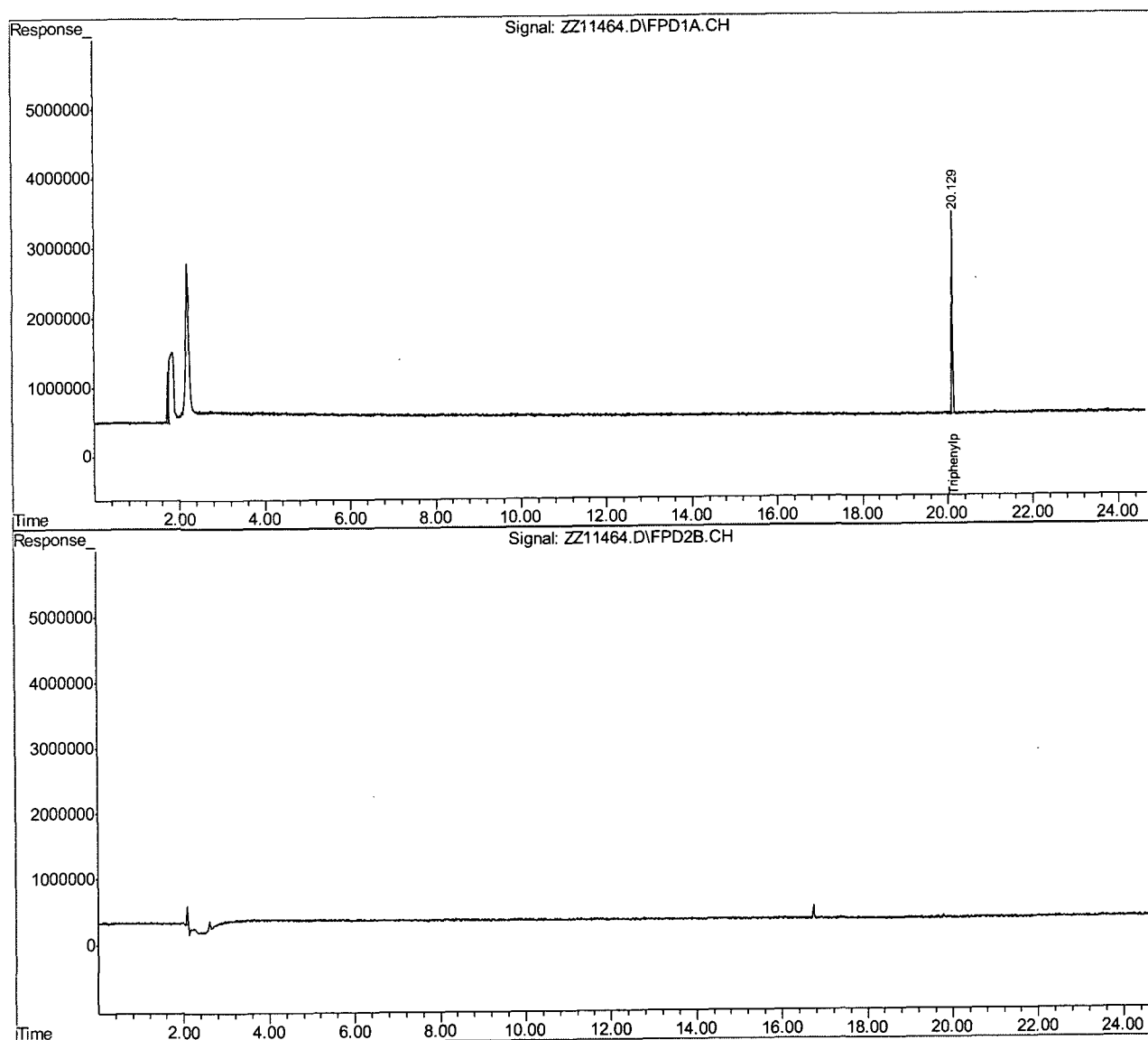
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11464.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 17:27:44  
Operator : neilcl  
Sample : ja58900-7  
Misc : op34758,gzz439,29.6,,,10,1,soil  
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Oct 22 07:04:51 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\102110\  
 Data File : ZZ11465.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 17:57:06  
 Operator : neilcl  
 Sample : ja58900-8  
 Misc : op34758,gzz439,30.1,,,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 22 07:05:00 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	0.000	50320930	0	614.245	N.D.	#
Spiked Amount	500.000 Range	48 - 133	Recovery	=	122.85%	0.00%#	
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\102110\  
Data File : ZZ11465.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 17:57:06  
Operator : neilcl  
Sample : ja58900-8  
Misc : op34758,gzz439,30.1,,,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 22 07:05:00 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

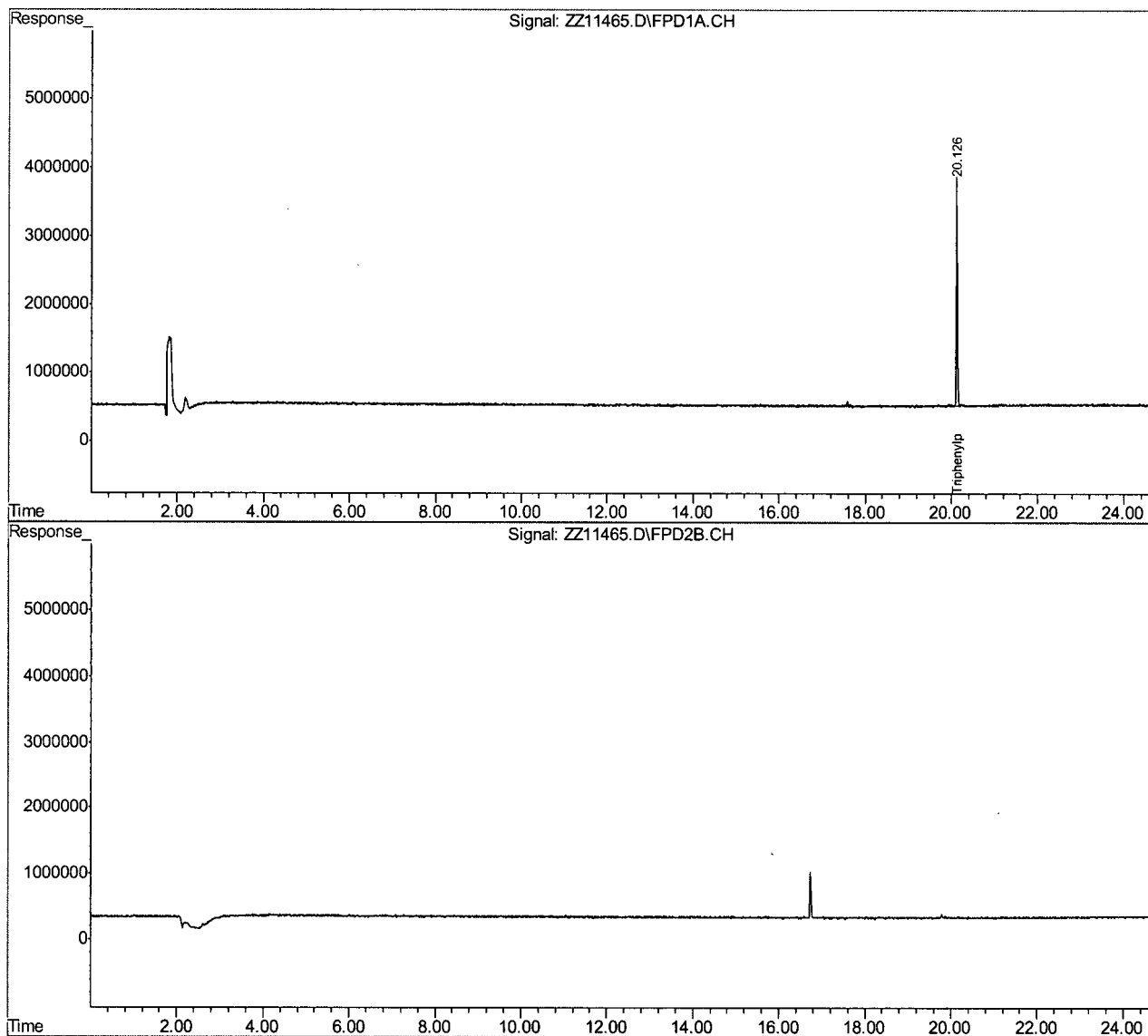
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11465.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 17:57:06  
Operator : neilc1  
Sample : ja58900-8  
Misc : op34758,gzz439,30.1,,,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 22 07:05:00 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\102110\  
 Data File : ZZ11466.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 18:26:31  
 Operator : neilcl  
 Sample : ja58900-9  
 Misc : op34758,gzz439,29.9,,,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 22 07:05:17 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	0.000	41349710	0	504.737	N.D. #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 100.95%	0.00%#
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\102110\  
Data File : ZZ11466.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 18:26:31  
Operator : neilc1  
Sample : ja58900-9  
Misc : op34758,gzz439,29.9,,,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 22 07:05:17 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

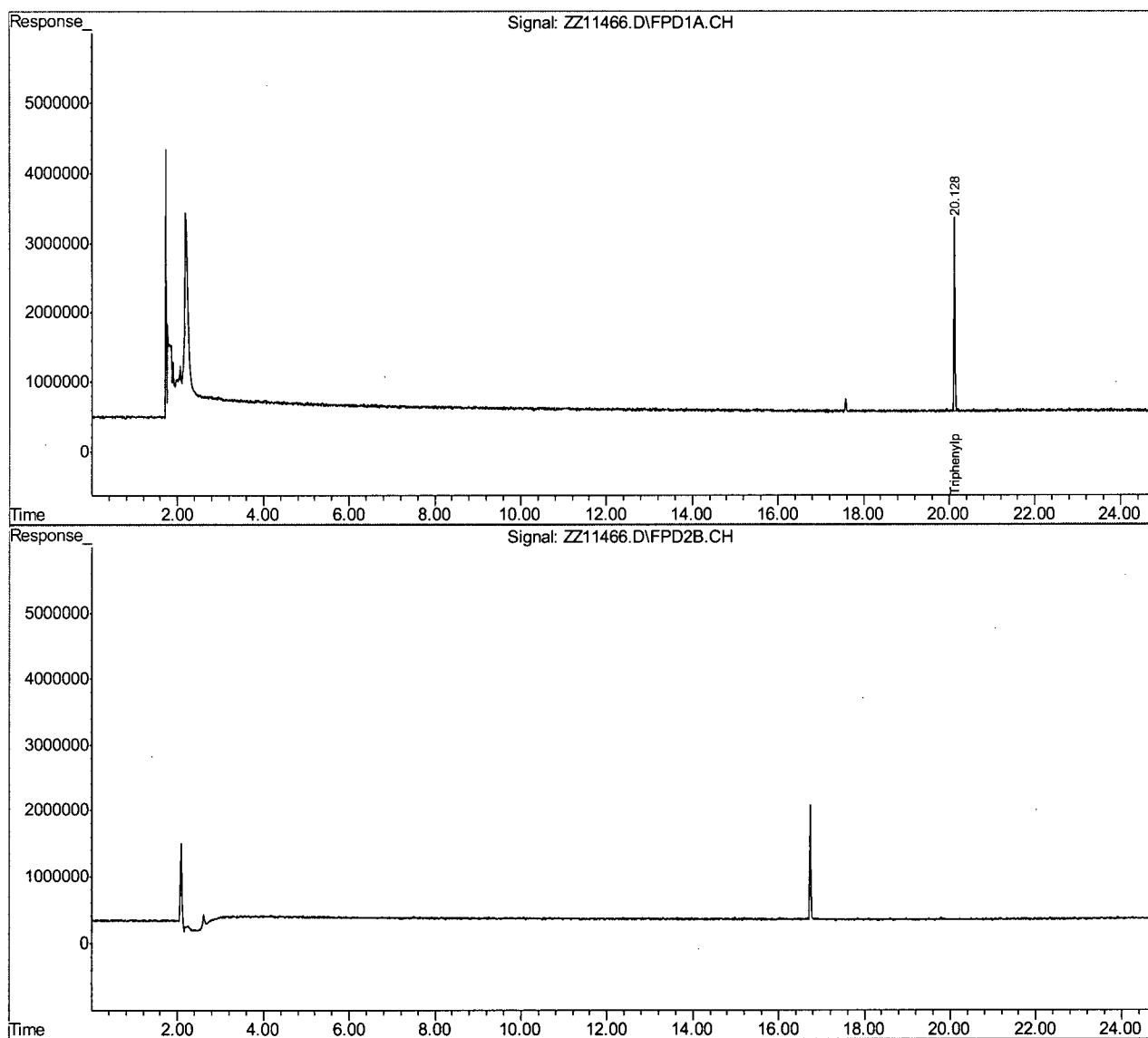
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11466.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 18:26:31  
Operator : neilc1  
Sample : ja58900-9  
Misc : op34758,gzz439,29.9,,,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 22 07:05:17 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\102110\  
 Data File : ZZ11467.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 18:55:53  
 Operator : neilc1  
 Sample : ja58900-10  
 Misc : op34758,gzz439,29.7,,,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 22 07:05:26 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	0.000	51863072	0	633.069	N.D. #
	Spiked Amount	500.000 Range	48 - 133	Recovery	=	126.61%	0.00%#
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\102110\  
Data File : ZZ11467.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 18:55:53  
Operator : neilcl  
Sample : ja58900-10  
Misc : op34758,gzz439,29.7,,,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 22 07:05:26 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

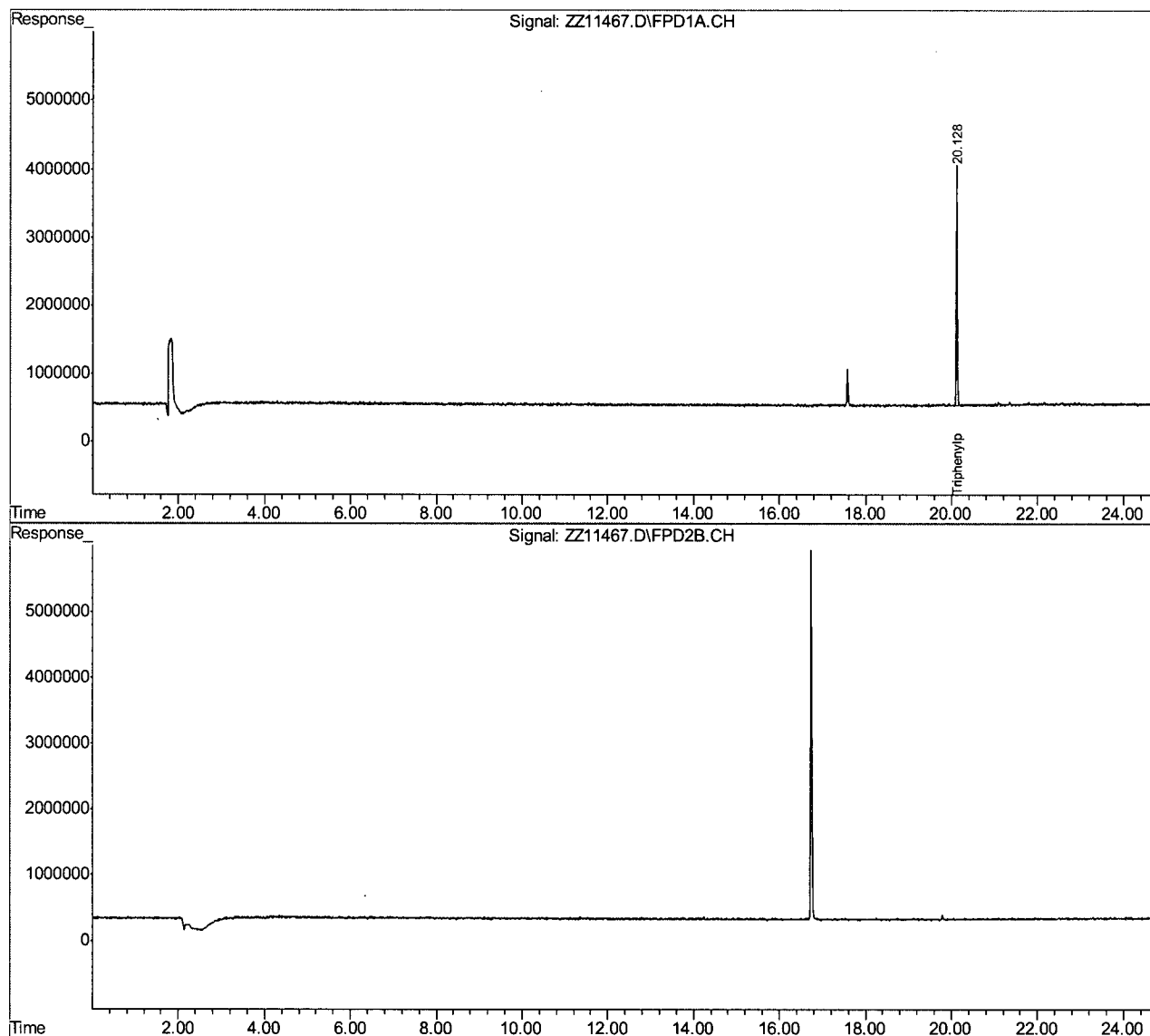
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11467.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 18:55:53  
Operator : neilc1  
Sample : ja58900-10  
Misc : op34758,gzz439,29.7,,,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 22 07:05:26 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\102110\  
 Data File : ZZ11468.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 19:25:16  
 Operator : neilcl  
 Sample : ja58900-11  
 Misc : op34758,gzz439,29.8,,,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 22 07:05:53 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	19.784	51749046	3204247	631.677	174.824 #
Spiked Amount	500.000	Range	48 - 133	Recovery	= 126.34%	34.96%#
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.	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\102110\  
Data File : ZZ11468.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 19:25:16  
Operator : neilc1  
Sample : ja58900-11  
Misc : op34758,gzz439,29.8,,,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 22 07:05:53 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

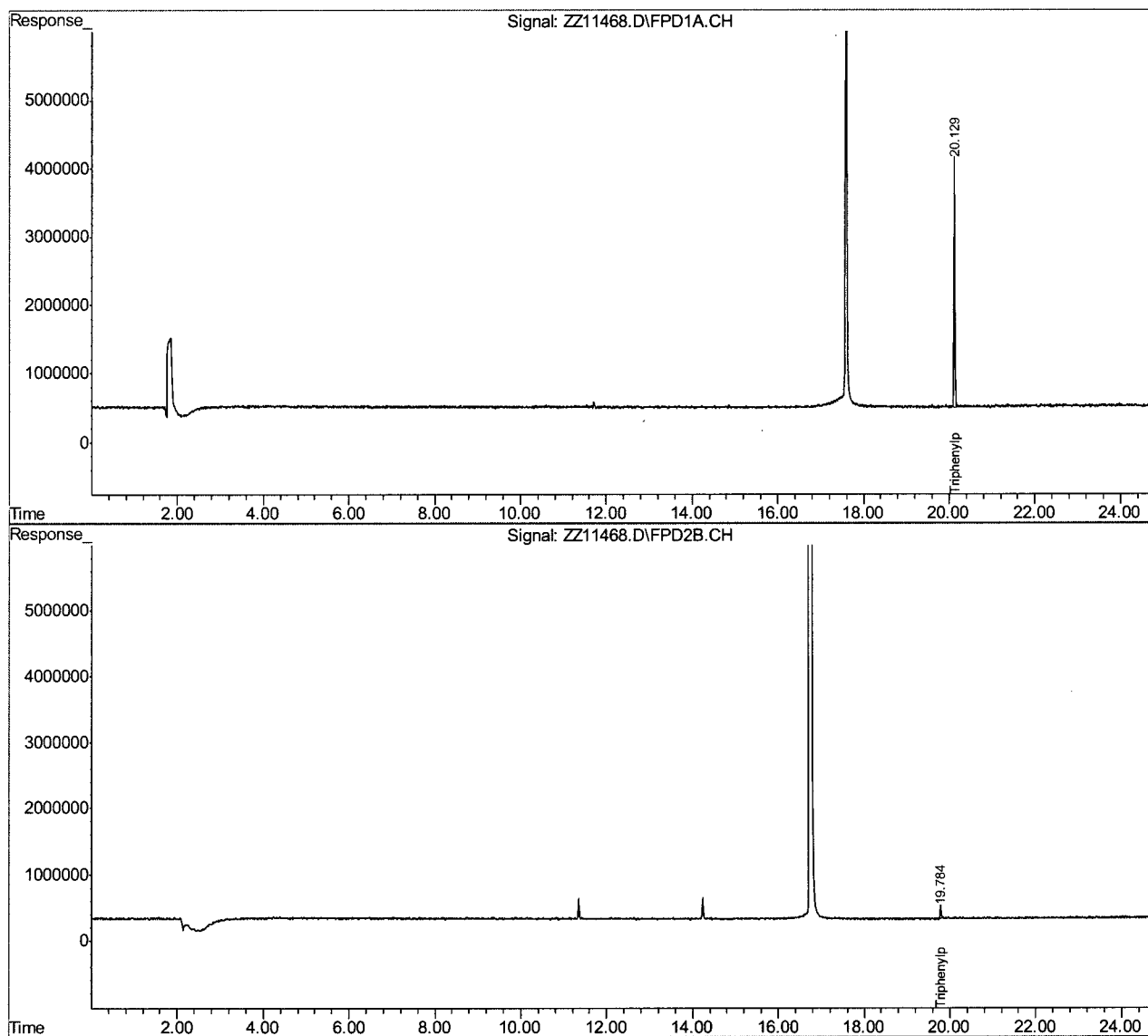
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11468.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 19:25:16  
Operator : neilc1  
Sample : ja58900-11  
Misc : op34758,gzz439,29.8,,,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 22 07:05:53 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\102110\  
Data File : ZZ11469.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 19:54:42  
Operator : neilcl  
Sample : ja58900-12  
Misc : op34758,gzz439,30.0,,,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 22 07:06:04 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	0.000	42528338	0	519.124	N.D. #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	103.82%	0.00%#
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\102110\  
Data File : ZZ11469.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 19:54:42  
Operator : neilcl  
Sample : ja58900-12  
Misc : op34758,gzz439,30.0,,,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 22 07:06:04 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.						

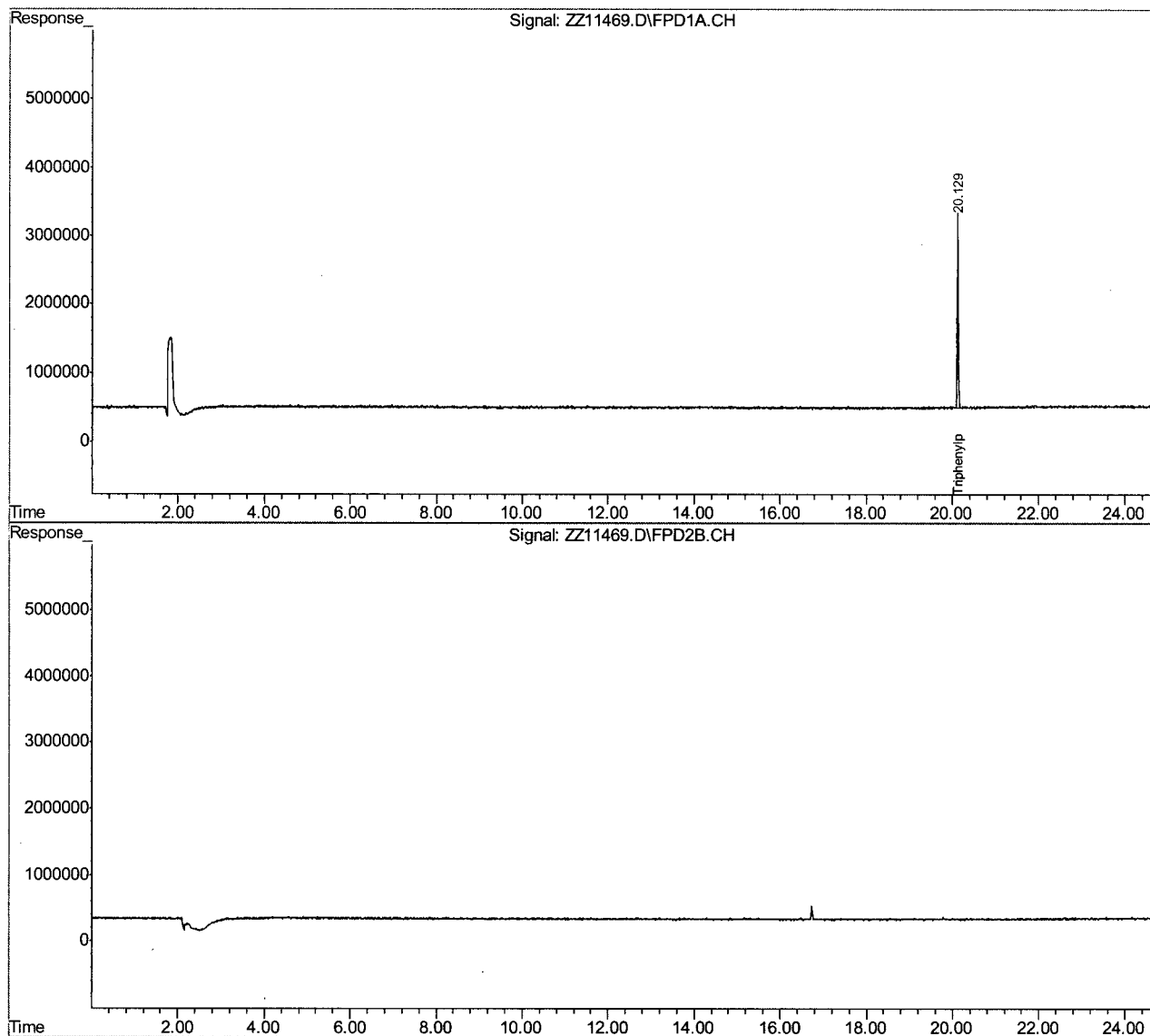


## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11469.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 19:54:42  
Operator : neilc1  
Sample : ja58900-12  
Misc : op34758,gzz439,30.0,,,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 22 07:06:04 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\102110\  
Data File : ZZ11470.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 20:24:05  
Operator : neilc1  
Sample : ja58900-14  
Misc : op34758,gzz439,30.3,,,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 22 07:06:15 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	0.000	47085191	0	574.747	N.D. #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	114.95%	0.00%#
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\102110\  
Data File : ZZ11470.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 20:24:05  
Operator : neilcl  
Sample : ja58900-14  
Misc : op34758,gzz439,30.3,,,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 22 07:06:15 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

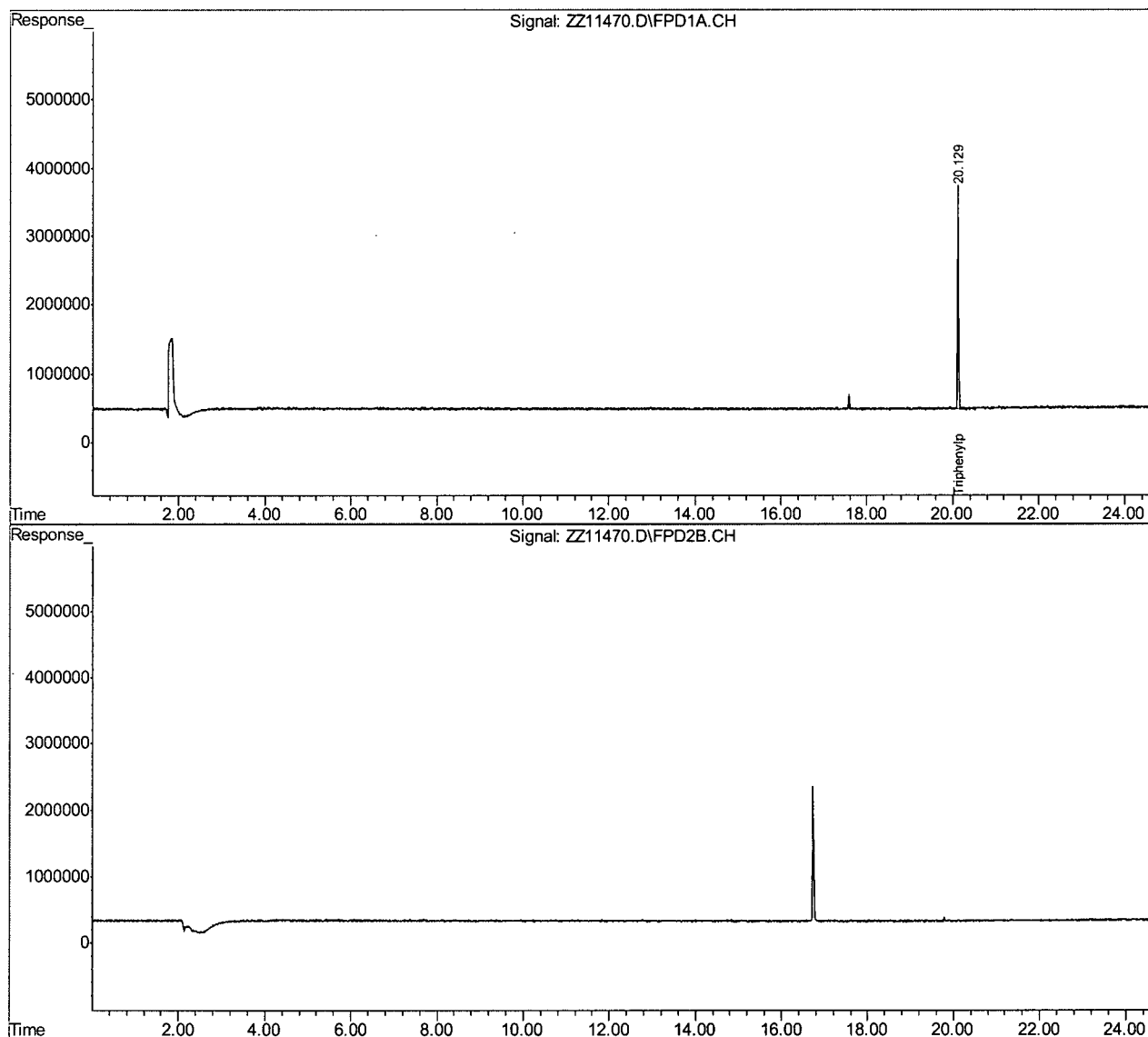
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11470.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 20:24:05  
Operator : neilcl  
Sample : ja58900-14  
Misc : op34758,gzz439,30.3,,,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 22 07:06:15 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\102110\  
 Data File : ZZ11455.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 13:03:02  
 Operator : neilc1  
 Sample : op34758-mb  
 Misc : op34758,gzz439,30.0,,,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 22 06:58:47 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...	20.130	0.000	37997646	0	463.820	N.D. #
	Spiked Amount	500.000 Range	48 - 133	Recovery	=	92.76%	0.00%#
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\102110\  
Data File : ZZ11455.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 13:03:02  
Operator : neilc1  
Sample : op34758-mb  
Misc : op34758,gzz439,30.0,,,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 22 06:58:47 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

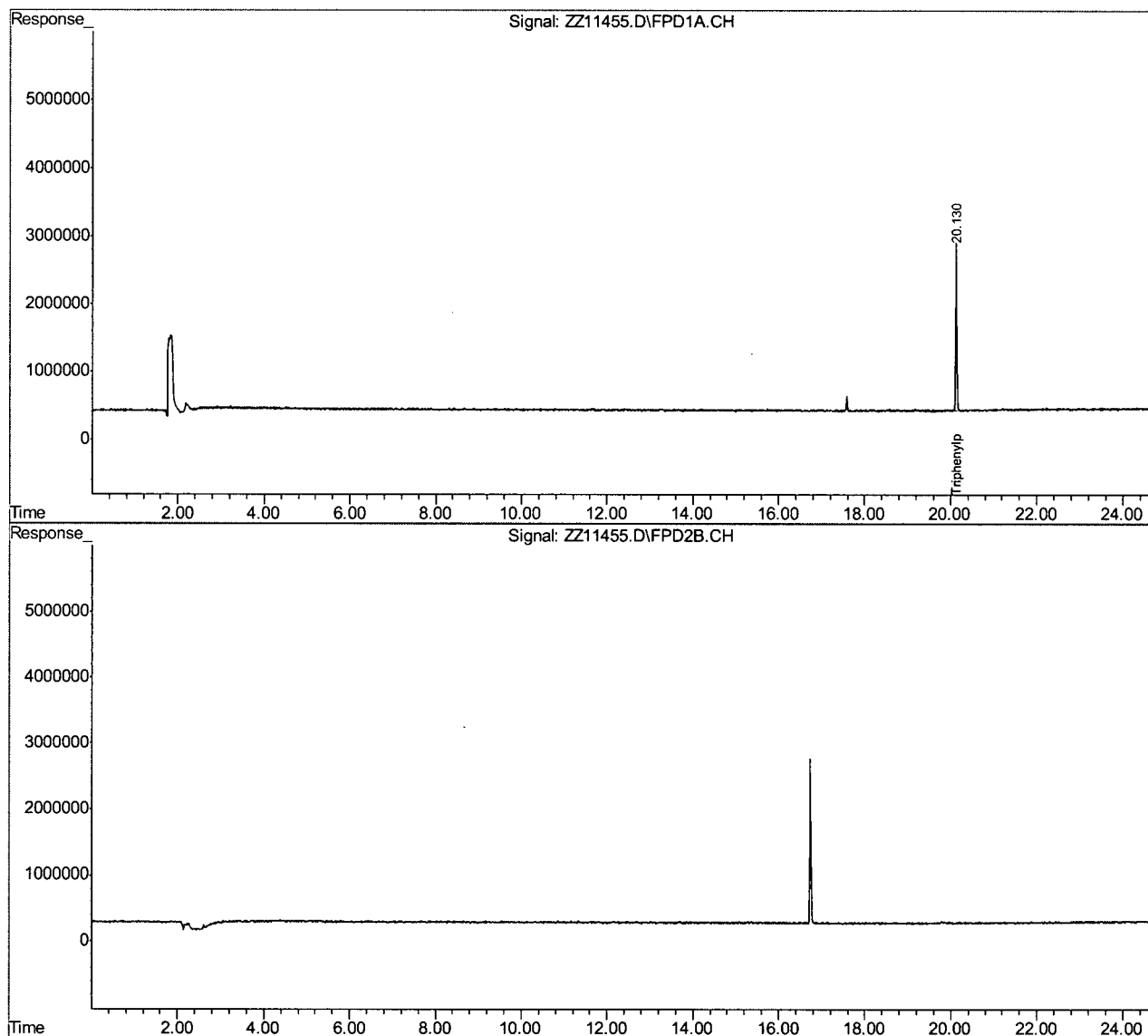
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11455.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 13:03:02  
Operator : neilc1  
Sample : op34758-mb  
Misc : op34758,gzz439,30.0,,,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 22 06:58:47 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\102110\  
 Data File : ZZ11473.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 21:52:21  
 Operator : neilc1  
 Sample : op34761-mb  
 Misc : op34761,gzz439,1000,,,10,1,water  
 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 22 06:43:58 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...	20.130	0.000	36748583	0	448.573	N.D. #
	Spiked Amount	500.000 Range	55 - 128	Recovery	=	89.71%	0.00%#
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\102110\  
Data File : ZZ11473.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 21:52:21  
Operator : neilc1  
Sample : op34761-mb  
Misc : op34761,gzz439,1000,,,10,1,water  
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 22 06:43:58 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

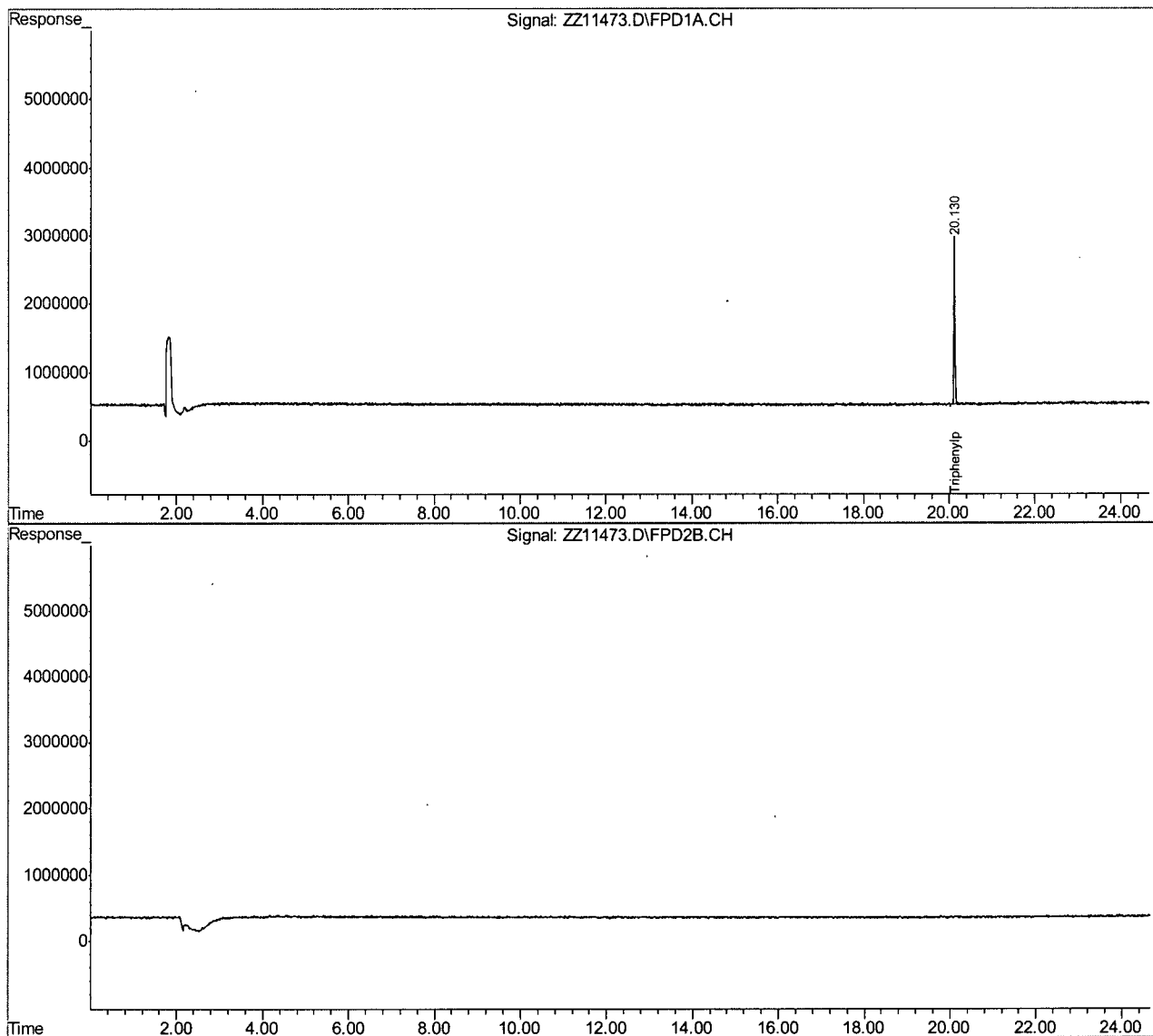
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11473.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 21:52:21  
Operator : neilcl  
Sample : op34761-mb  
Misc : op34761,gzz439,1000,,,10,1,water  
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 22 06:43:58 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\102110\  
Data File : ZZ11454.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 12:33:43  
Operator : neilc1  
Sample : op34758-bs  
Misc : op34758,gzz439,30.0,,,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 22 06:58:24 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...	20.132	19.788	45811562	2631923	559.201	149.486 #
Spiked Amount	500.000	Range	48 - 133	Recovery	= 111.84%	29.90%#
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	8.251	8.455	117.2E6	131.8E6	381.724	262.912
3) Mevinphos	10.428	10.479	64519038	92962736	500.179	428.824
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	12.216	12.335	23749642	23396110	660.148	339.924 #
6) Thionazin	0.000	0.000	0	0	N.D. d	N.D. d
7) Ethoprop	12.504	12.571	83373313	56287841	660.385	294.972 #
8) Sulfotep	0.000	0.000	0	0	N.D. d	N.D. d
9) Naled	12.879	12.820	19583769	29530940	415.432	350.610
10) Phorate	13.114	13.173	79832272	94812832	620.789	340.850 #
11) Monocroto...	0.000	0.000	0	0	N.D. d	N.D. d
12) Demeton-O	13.563	13.493	48465346	53587900	476.577	437.217
13) Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14) Diazinon	13.994	14.220	85391474	99506009	659.173	486.464
15) Disulfoton	14.330	14.325	73062694	97553769	590.043	453.449
16) Ronnel	15.475	15.151	75423061	101.8E6	652.333	523.491
17) Methyl Pa...	15.559	15.452	83070696	107.3E6	682.443	559.412
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	16.088	16.115	71188602	110.4E6	665.966	318.573 #
20) Fenthion	16.302	16.066	81539847	111.2E6	551.392	478.201
21) Trichloro...	16.370	16.387	71192705	114.5E6	638.352	568.271
22) Ethyl Par...	0.000	0.000	0	0	N.D. d	N.D. d
23) Merphos	18.110f	17.945f	39686693	16628575	601.930m	113.074m#
24) Stirophos	17.712	17.456	52580580	61004205	592.909	483.441
25) Tokuthion	17.968	17.833	53532768	90611993	596.517	508.761
26) Merphos O...	18.111	17.945	39685032	16673986	596.278	255.593 #
27) Ethion	0.000	0.000	0	0	N.D. d	N.D. d
28) Fensulfot...	19.268	18.677	28855241	26251151	482.657	374.312
29) Bolstar	19.424	19.092	51678771	81665697	601.900	500.491
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...	21.330	20.785	36891535	58824289	729.344	580.596
35) Coumaphos	22.103	21.665	33059114	49020985	698.773	579.914
-----						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11454.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 12:33:43  
Operator : neilc1  
Sample : op34758-bs  
Misc : op34758,gzz439,30.0,,,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 22 06:58:24 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

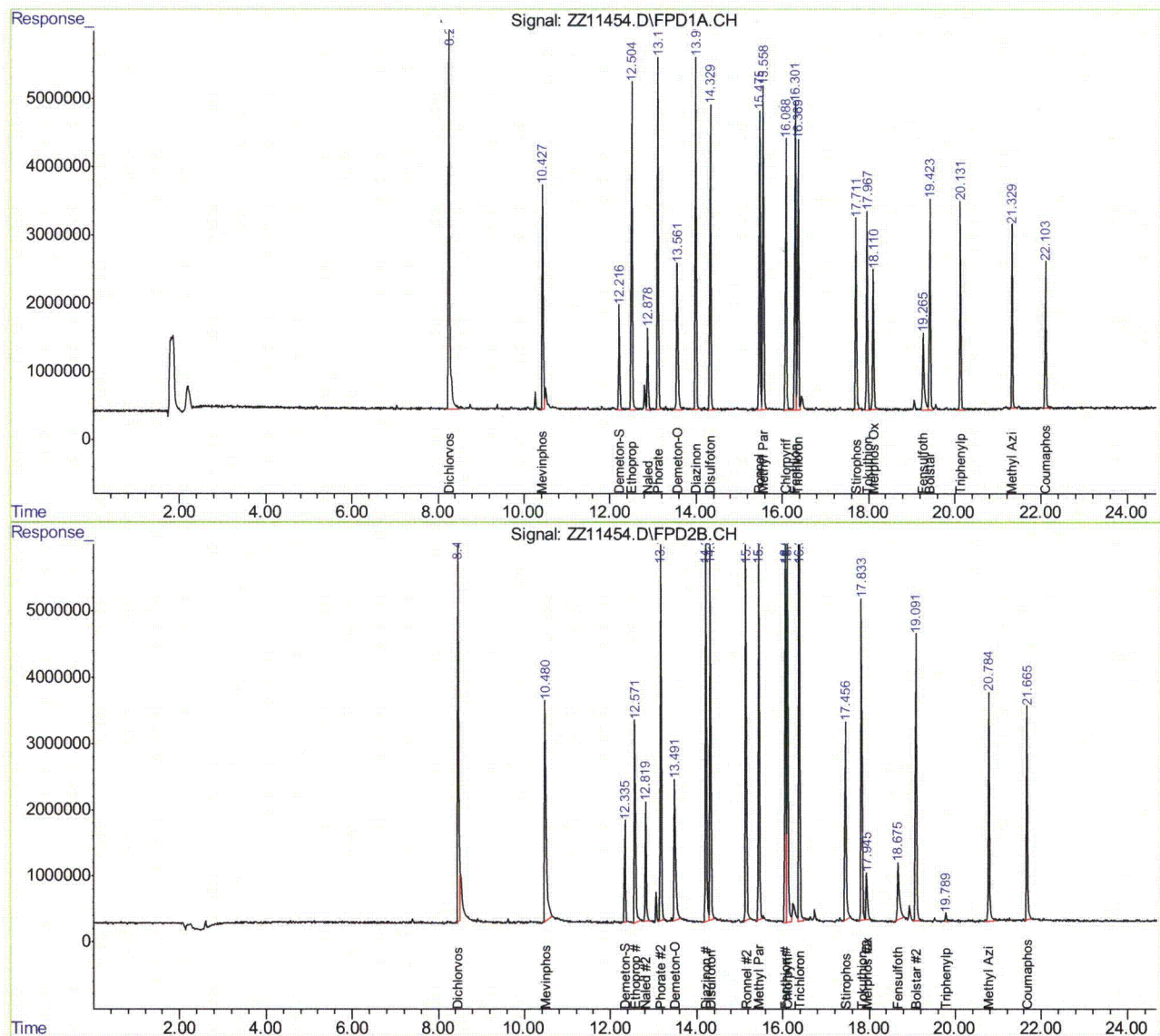
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11454.D  
Signal(s) : Signal #1: FPD1A.CH   Signal #2: FPD2B.CH  
Acq On    : 21-Oct-10, 12:33:43  
Operator  : neilc1  
Sample    : op34758-bs  
Misc      : op34758,gzz439,30.0,,,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 22 06:58:24 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\102110\  
 Data File : ZZ11472.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 21:23:01  
 Operator : neilcl  
 Sample : op34761-bs  
 Misc : op34761,gzz439,1000,,,10,1,water  
 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 22 07:09:41 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...	20.129	19.784	56290812	2813494	687.116	157.702 #
	Spiked Amount	500.000	Range	55 - 128	Recovery	= 137.42%#	31.54%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	8.245	8.458	138.0E6	180.0E6	449.285	359.114
3)	Mevinphos	10.425	10.483	59570125	86373841	466.733	402.692
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	12.212	12.336	25593159	23754844	711.390	344.548 #
6)	Thionazin	0.000	0.000	0	0	N.D. d	N.D. d
7)	Ethoprop	12.499	12.570	88864054	43497750	703.876	235.551 #
8)	Sulfotep	0.000	0.000	0	0	N.D. d	N.D. d
9)	Naled	12.875	12.821	8297844	12911302	184.710	158.268
10)	Phorate	13.111	13.173	92161589	94811146	716.664	340.844 #
11)	Monocroto...	0.000	0.000	0	0	N.D. d	N.D. d
12)	Demeton-O	13.556	13.490	51789711	53936539	509.266	439.724
13)	Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14)	Diazinon	13.989	14.219	94183907	105.9E6	727.045	517.826
15)	Disulfoton	14.325	14.324	86545717	107.7E6	698.930	500.389
16)	Ronnel	15.470	15.150	82478903	107.3E6	713.359	546.243
17)	Methyl Pa...	15.555	15.451	91317417	117.9E6	750.191	605.817
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	16.083	16.114	78246654	117.6E6	731.994	337.102 #
20)	Fenthion	16.297	16.064	91635778	124.4E6	619.663	525.622
21)	Trichloro...	16.365	16.385	77407727	122.0E6	694.079	605.422
22)	Ethyl Par...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Merphos	18.106f	17.942f	24956870	9530802	426.868m	65.109m#
24)	Stirophos	17.706	17.454	63621946	77369186	686.829	577.913
25)	Tokuthion	17.961	17.830	59419860	101.4E6	662.117	559.324
26)	Merphos O...	18.106	17.943	25145687	9557014	377.820	165.776 #
27)	Ethion	0.000	0.000	0	0	N.D. d	N.D. d
28)	Fensulfot...	19.261	18.669	30912233	30707473	517.064	411.980
29)	Bolstar	19.419	19.089	60363700	96833111	703.052	570.871
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...	21.326	20.781	46584173	69113200	920.967	643.595
35)	Coumaphos	22.098	21.661	41717926	68364734	881.795	714.010

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11472.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 21:23:01  
Operator : neilc1  
Sample : op34761-bs  
Misc : op34761,gzz439,1000,,,10,1,water  
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 22 07:09:41 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

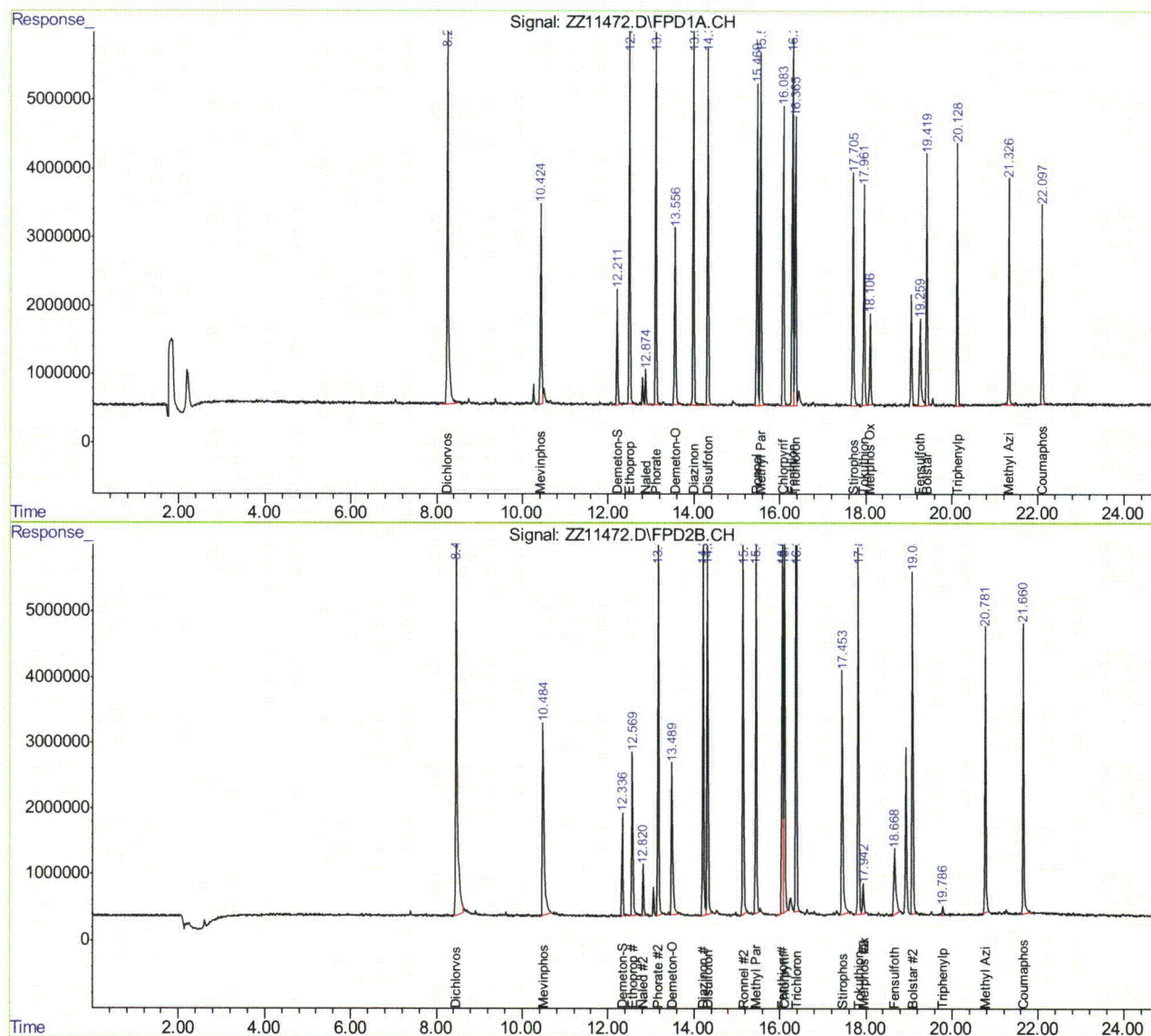
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11472.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 21:23:01  
Operator : neilcl  
Sample : op34761-bs  
Misc : op34761,gzz439,1000,,,10,1,water  
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 22 07:09:41 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





Mike Eger  
11/04/10 14:47

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11459.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 15:00:41  
Operator : neilc1  
Sample : op34758-ms  
Misc : op34758,gzz439,30.3,,,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 22 07:01:54 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	19.788	50834138	2329563	620.509	135.399 #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	124.10%	27.08%#
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	8.246	8.459	116.3E6	157.8E6	378.821	314.864
3) Mevinphos	10.420	10.475	69599676	99897558	533.893	455.829
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	12.212	12.338	22572265	20851750	627.421	306.710 #
6) Thionazin	0.000	0.000	0	0	N.D. d	N.D. d
7) Ethoprop	12.499	12.571	79582858	38106856	630.361	209.429 #
8) Sulfotep	0.000	0.000	0	0	N.D. d	N.D. d
9) Naled	12.874	12.821	16076185	25469491	345.926	304.678
10) Phorate	13.111	13.175	76707010	80867725	596.486	290.717 #
11) Monocroto...	0.000	0.000	0	0	N.D. d	N.D. d
12) Demeton-O	13.555	13.489	51586255	50988338	507.266	418.419
13) Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14) Diazinon	13.990	14.221	81509327	90624975	629.205	443.046
15) Disulfoton	14.326	14.326	72552945	88063170	585.927	409.335
16) Ronnel	15.470	15.151	70837007	96284965	612.668	499.799
17) Methyl Pa...	15.555	15.453	80841211	98866956	664.127	521.543
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	16.083	16.116	67276771	100.1E6	629.371	291.675 #
20) Fenthion	16.297	16.066	80018520	106.0E6	541.104	459.392
21) Trichloro...	16.365	16.386	66484679	103.2E6	596.137	512.080
22) Ethyl Par...	0.000	0.000	0	0	N.D. d	N.D. d
23) Merphos	18.105f	17.944f	36857288	12590983	568.303m	85.843m#
24) Stirophos	17.706	17.455	58921253	70900243	647.611	541.562
25) Tokuthion	17.961	17.832	52013212	86013153	579.585	486.749
26) Merphos O...	18.105	17.945	36559716	13290133	549.319	215.018 #
27) Ethion	0.000	0.000	0	0	N.D. d	N.D. d
28) Fensulfot...	19.257	18.665	51077028	53350675	854.357	572.082
29) Bolstar	19.419	19.090	53471383	82433259	622.778	504.156
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	20.782	43512626	65207652	860.242	620.228
35) Coumaphos	22.098	21.661	38201832	58214194	807.475	646.250

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11459.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 15:00:41  
Operator : neilcl  
Sample : op34758-ms  
Misc : op34758,gzz439,30.3,,,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 22 07:01:54 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

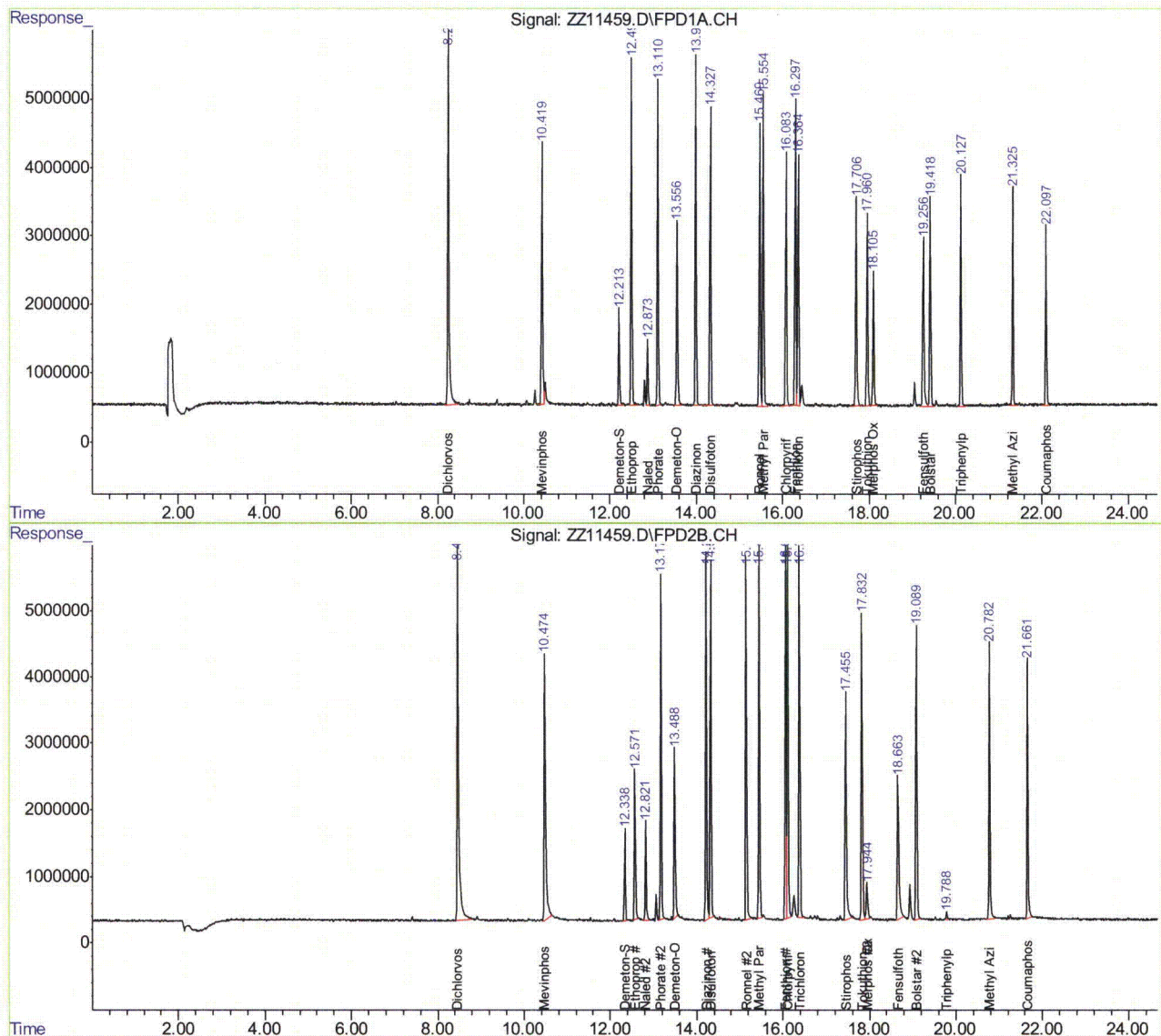
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11459.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 15:00:41  
Operator : neilcl  
Sample : op34758-ms  
Misc : op34758,gzz439,30.3,,,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 22 07:01:54 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\102110\  
 Data File : ZZ11460.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 15:30:07  
 Operator : neilcl  
 Sample : op34758-msd  
 Misc : op34758,gzz439,30.0,,,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 22 07:03:16 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
System Monitoring Compounds							
32) S	Triphenyl...	20.129	19.787	46805095	1868783	571.328	112.834 #
Spiked Amount		500.000	Range	48 - 133	Recovery	= 114.27%	22.57%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	8.246	8.460	115.3E6	154.8E6	375.425	308.850
3)	Mevinphos	10.421	10.477	65278142	97322503	505.255	445.860
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	12.212	12.337	22478380	21430422	624.812	314.328 #
6)	Thionazin	0.000	0.000	0	0	N.D. d	N.D. d
7)	Ethoprop	12.498	12.572	76689592	39096253	607.444	214.275 #
8)	Sulfotep	0.000	0.000	0	0	N.D. d	N.D. d
9)	Naled	12.874	12.821	15457158	22924789	333.465	275.559
10)	Phorate	13.110	13.174	76577155	78976918	595.476	283.920 #
11)	Monocroto...	0.000	0.000	0	0	N.D. d	N.D. d
12)	Demeton-O	13.555	13.490	47843598	46742882	470.463	387.296
13)	Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14)	Diazinon	13.989	14.221	78149586	85624739	603.270	418.601
15)	Disulfoton	14.326	14.326	70491451	84271691	569.278	391.711
16)	Ronnel	15.470	15.151	69968221	89273342	605.154	469.338
17)	Methyl Pa...	15.555	15.453	77634944	97202644	637.787	513.977
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	16.083	16.115	65837244	99877248	615.904	291.107 #
20)	Fenthion	16.297	16.065	77645101	103.9E6	525.055	451.506
21)	Trichloro...	16.365	16.387	65635358	102.7E6	588.522	509.741
22)	Ethyl Par...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Merphos	18.104f	17.944f	33474697	12215153	528.101m	83.301m#
24)	Stirophos	17.707	17.454	56793277	63604553	629.493	499.030
25)	Tokuthion	17.962	17.831	51515617	83721281	574.040	475.668
26)	Merphos O...	18.105	17.944	32750575	12478110	492.086	204.753 #
27)	Ethion	0.000	0.000	0	0	N.D. d	N.D. d
28)	Fensulfot...	19.257	18.664	44877217	46726098	750.654	529.386
29)	Bolstar	19.419	19.091	51005851	80309365	594.062	493.984
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...	21.326	20.782	40638959	62218075	803.430	601.900
35)	Coumaphos	22.098	21.662	38244056	54257791	808.368	618.349

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11460.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 15:30:07  
Operator : neilcl  
Sample : op34758-msd  
Misc : op34758,gzz439,30.0,,,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 22 07:03:16 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

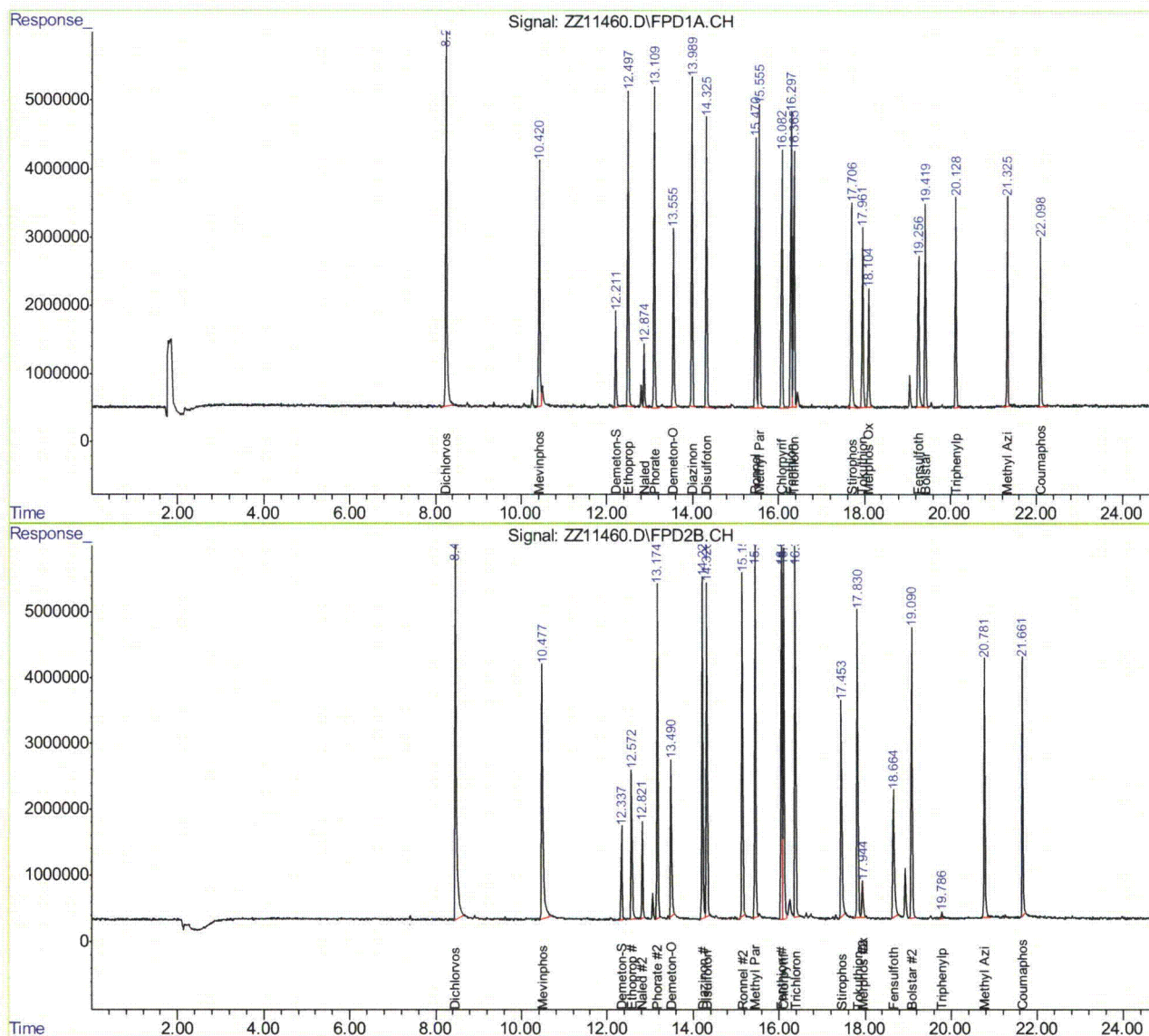
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11460.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 15:30:07  
Operator : neilcl  
Sample : op34758-msd  
Misc : op34758,gzz439,30.0,,,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 22 07:03:16 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\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 #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.						

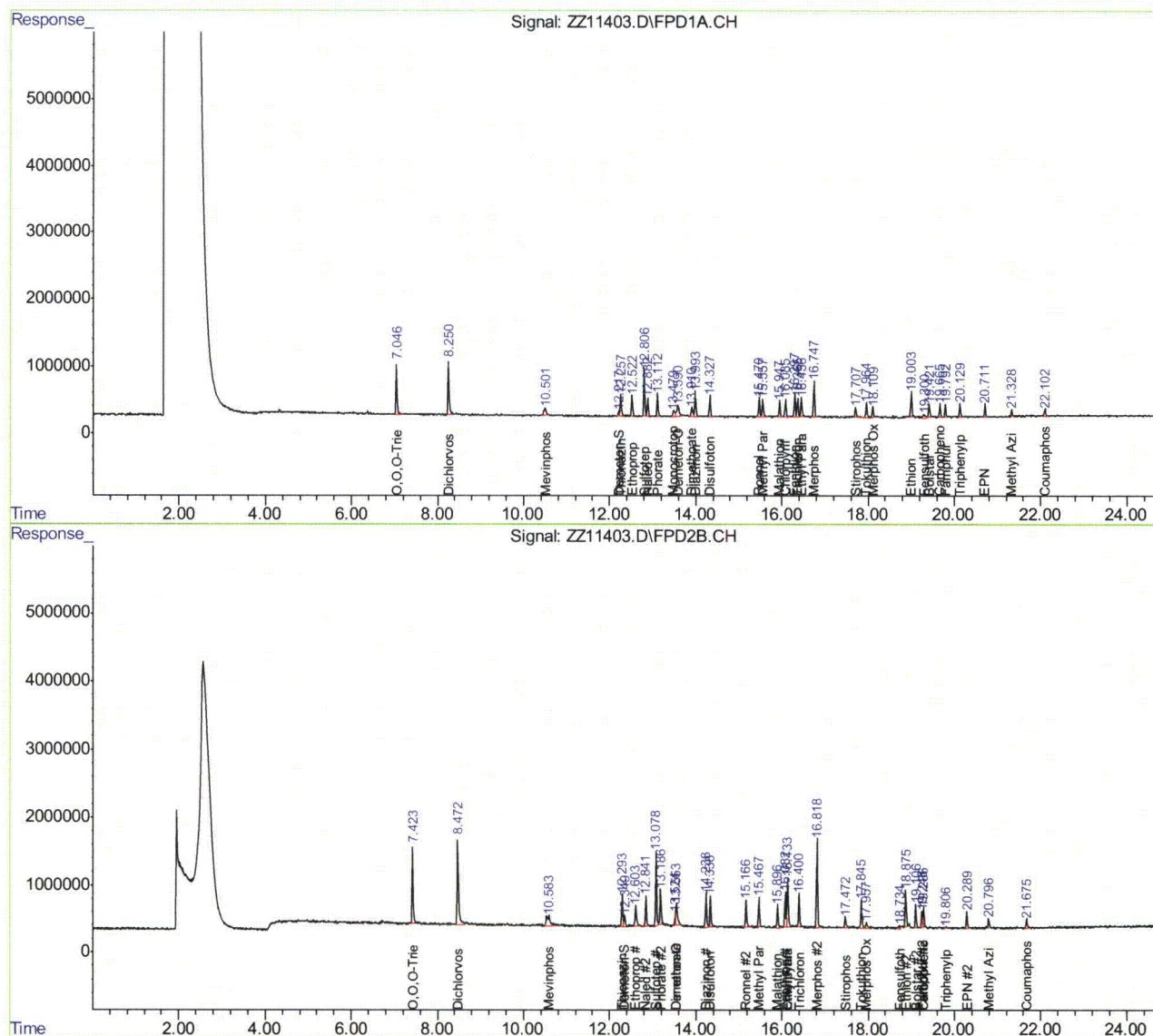


Quantitation Report (QT Reviewed)

```
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 : neilcl  
 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

	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

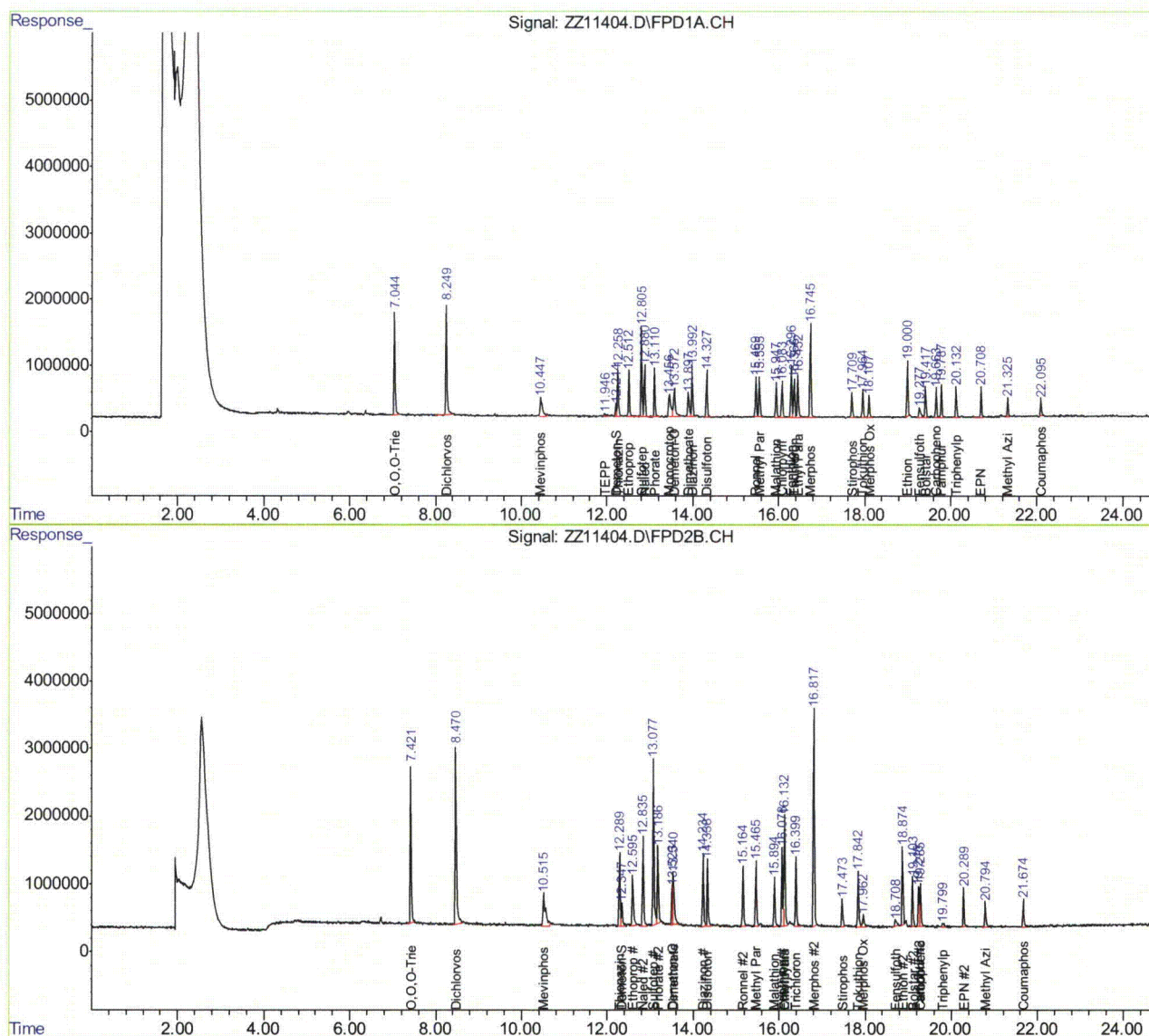
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## 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 : neilcl  
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 : 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
----------	------	------	--------	--------	-----	-----

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

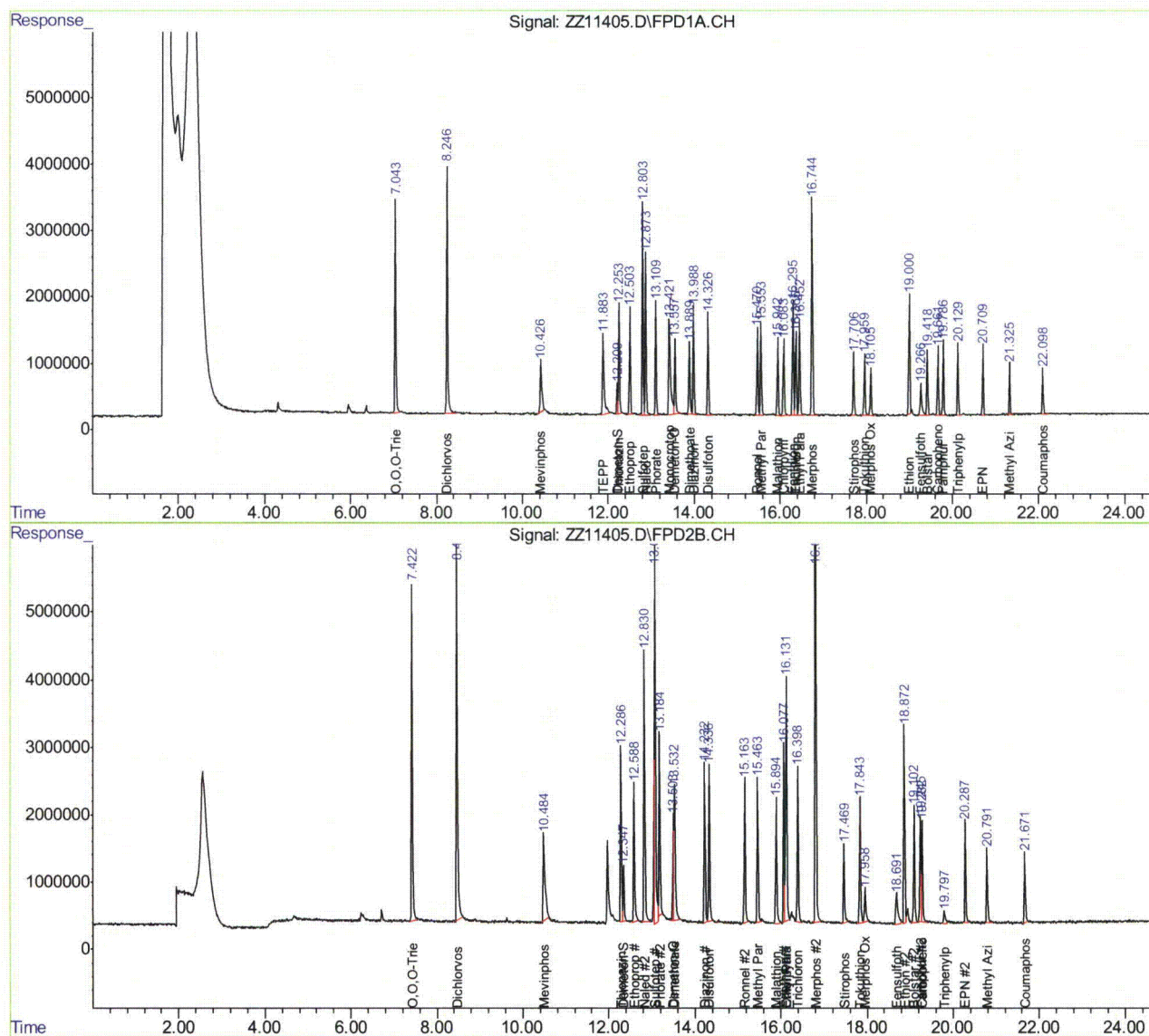


## Quantitation Report (QT Reviewed)

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 : 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 #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 : 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 #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...	20.127	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 : 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

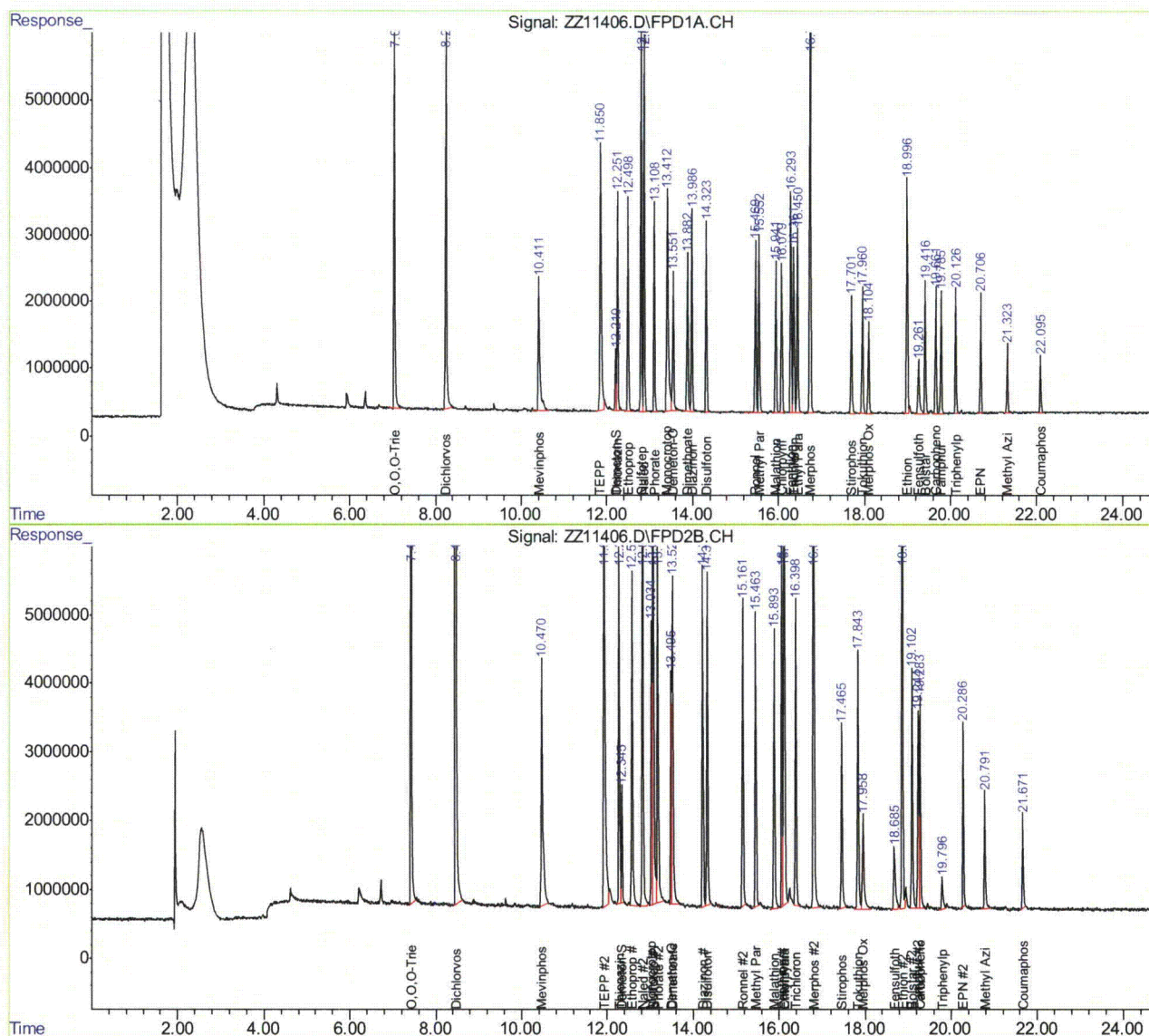
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## 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 : 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 #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 : 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 #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

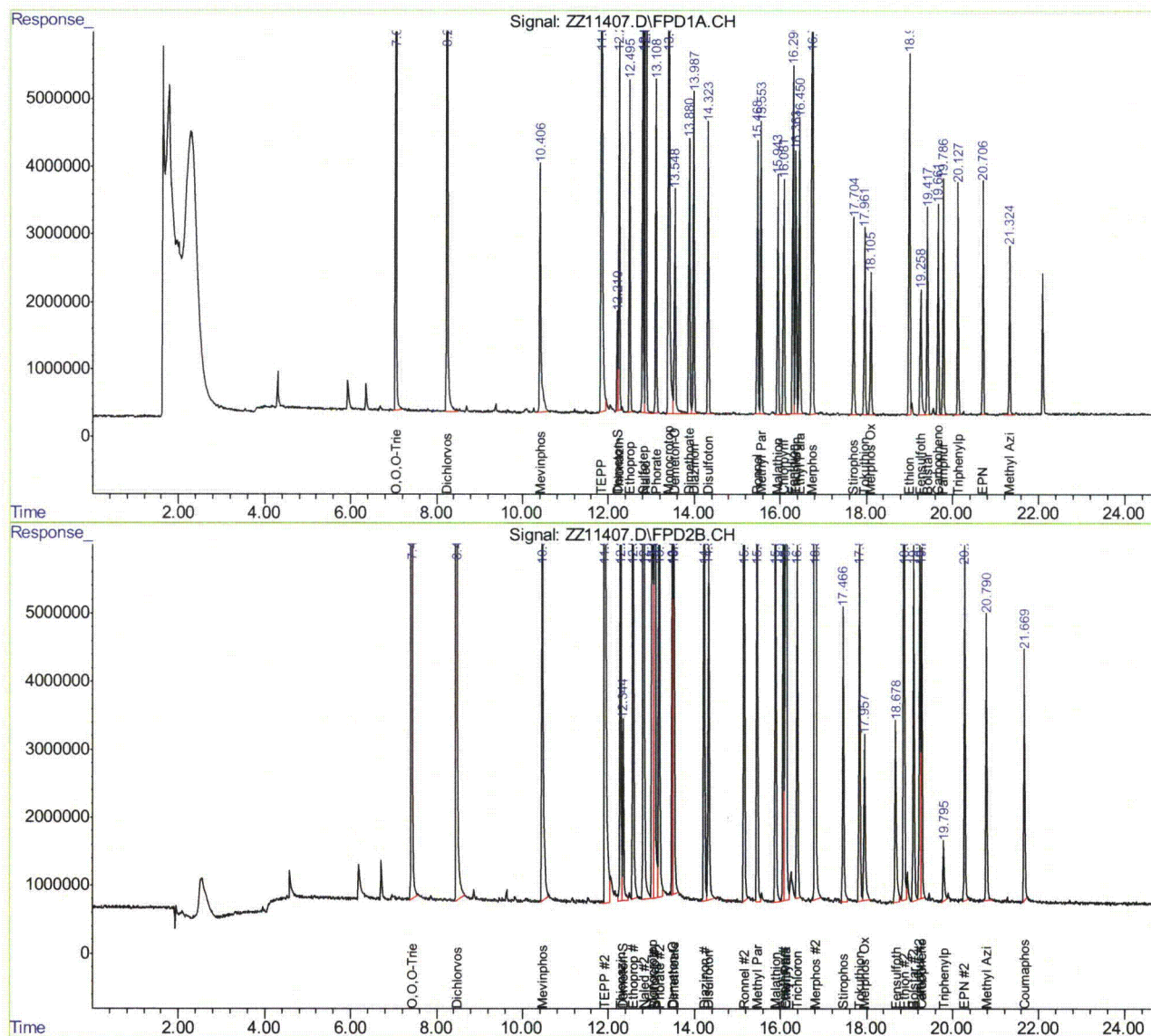
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## 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 : neilc1  
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.						

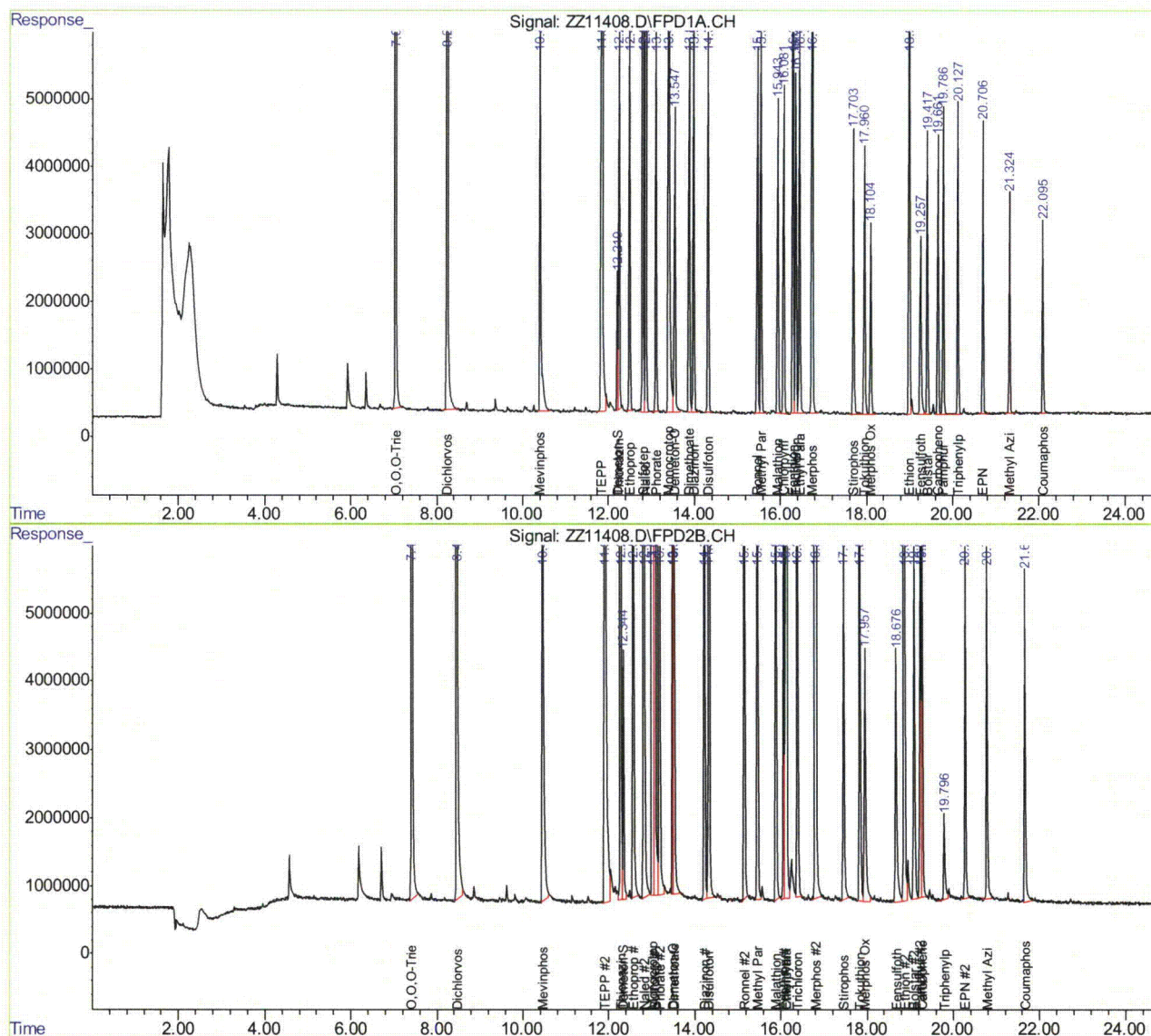


## Quantitation Report (QT Reviewed)

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





## 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 : 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

	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 : 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

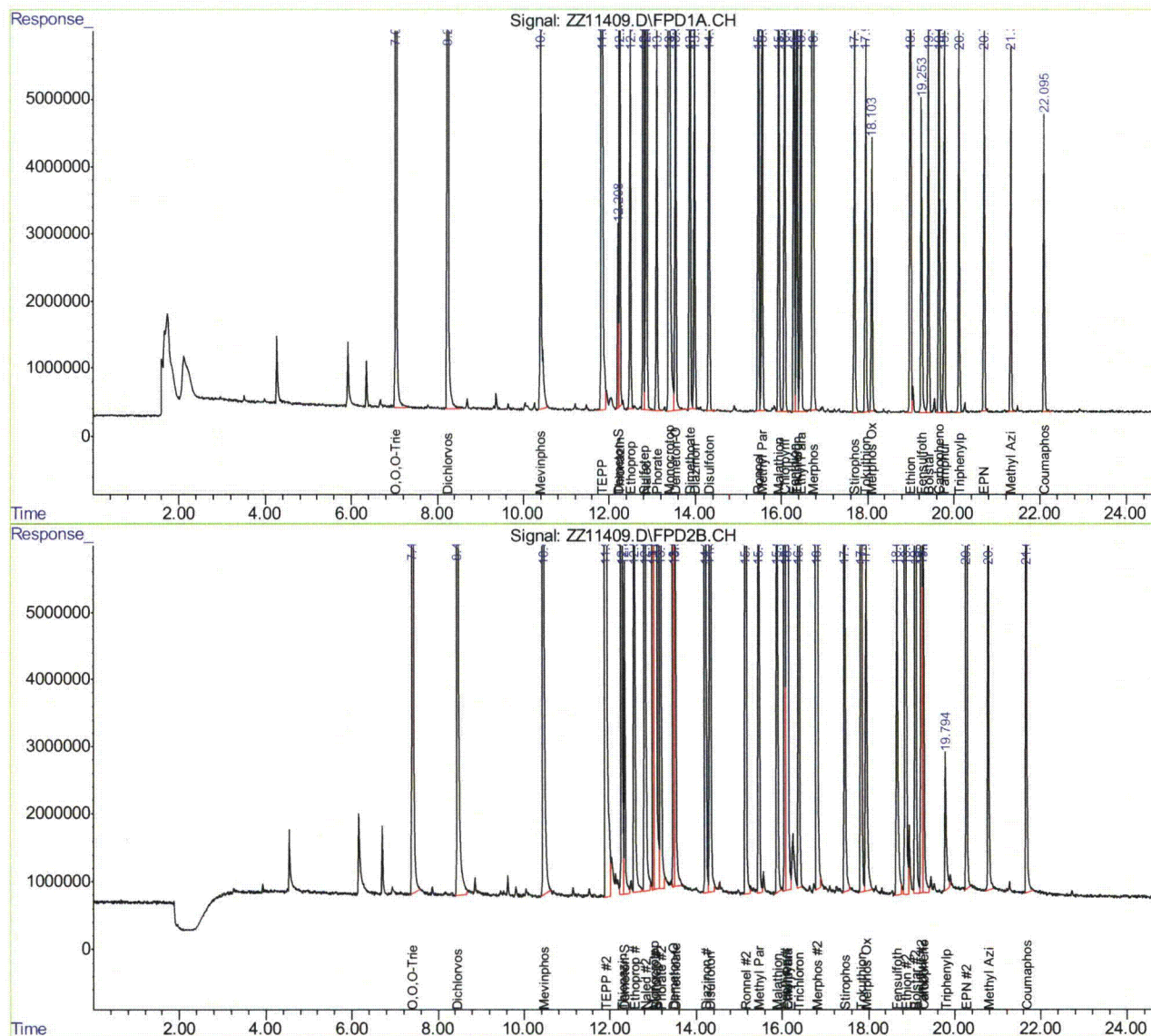
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\  
Data File : 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



## 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
-----							
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

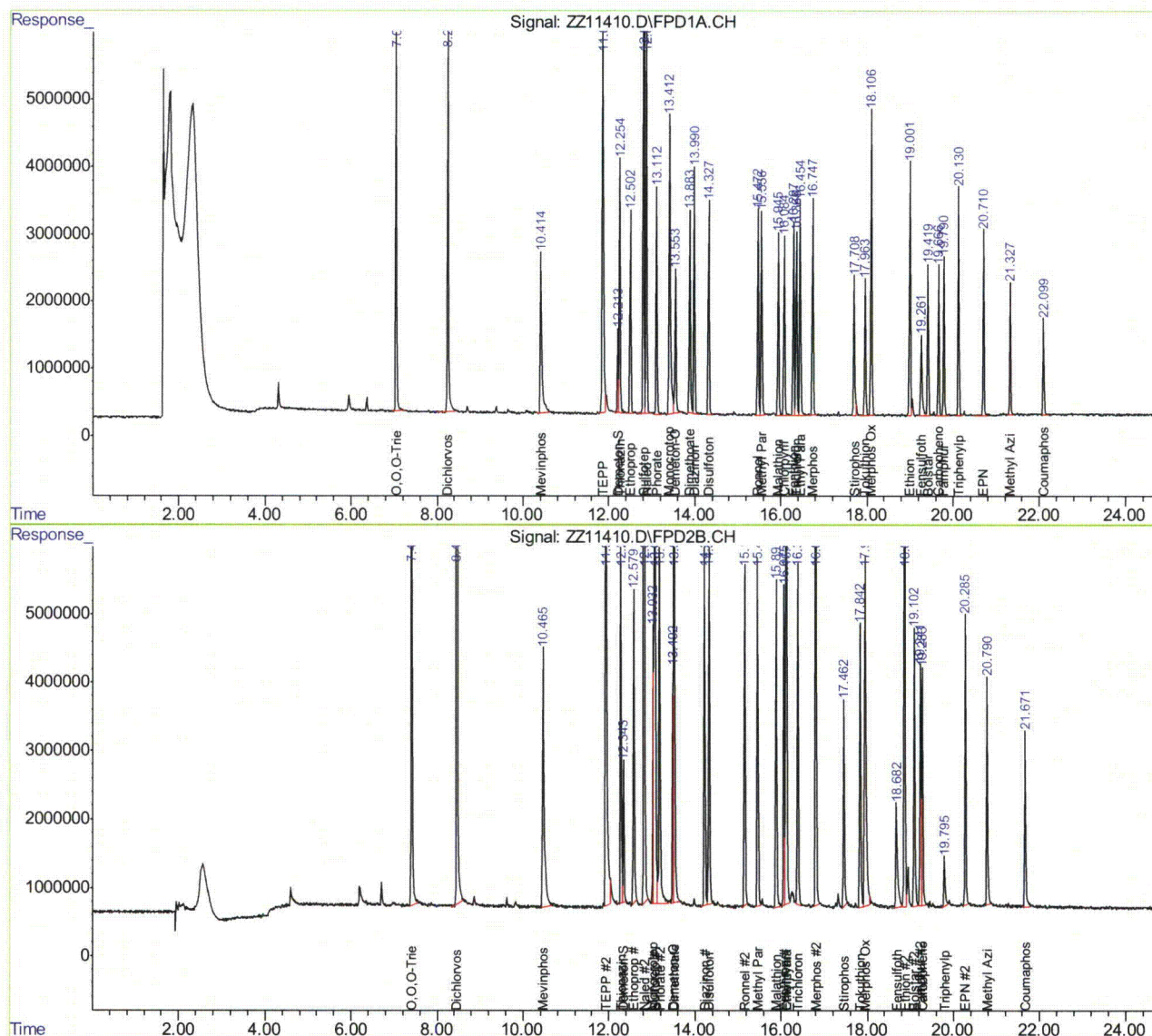
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## 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 : 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





## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
 Data File : ZZ11451.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 10:04:36  
 Operator : neilcl  
 Sample : cc437-600  
 Misc : op34745,gzz439,30.3,,,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 22 06:42:52 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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----							
System Monitoring Compounds							
32) S	Triphenyl...	20.127	19.790	53496548	8223410	653.008	351.849 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 130.60%	70.37%
Target Compounds							
1)	O,O,O-Tri...	7.038	7.410	166.0E6	225.8E6	628.873	557.806
2)	Dichlorvos	8.239	8.453	220.8E6	306.5E6	719.164	611.518
3)	Mevinphos	10.403	10.453	78704561	104.6E6	592.839	473.964
4)	TEPP	11.848	11.918	144.6E6	170.9E6	1994.172	1710.786
5)	Demeton-S	12.209	12.337	21348689	34616166	593.410	478.506
6)	Thionazin	12.250	12.275	92527580	105.8E6	658.894	463.521
7)	Ethoprop	12.496	12.571	82837343	68146939	656.139	347.255 #
8)	Sulfotep	12.800	13.066	156.2E6	297.4E6	666.835	556.409
9)	Naled	12.869	12.818	131.5E6	196.2E6	2081.990	1866.773
10)	Phorate	13.108	13.175	79985831	122.0E6	621.983	438.760
11)	Monocroto...	13.405	13.019	198.8E6	121.0E6	2778.140	2103.134
12)	Demeton-O	13.548	13.484	67873074	56837654	667.420	460.452
13)	Dimethoate	13.880	13.516	79568275	128.7E6	662.504	526.609
14)	Diazinon	13.987	14.221	79391734	100.0E6	612.858	488.917
15)	Disulfoton	14.324	14.327	75012429	110.8E6	605.789	515.241
16)	Ronnel	15.468	15.153	68484030	98162342	592.317	507.847
17)	Methyl Pa...	15.553	15.455	76811979	102.4E6	631.026	537.367
18)	Malathion	15.942	15.885	65304421	97138174	653.260	535.464
19)	Chlorpyrifos	16.080	16.123	65507566	204.7E6	612.820	545.129
20)	Fenthion	16.295	16.067	91489161	131.8E6	618.672	551.682
21)	Trichloro...	16.362	16.389	66318666	110.4E6	594.649	547.709
22)	Ethyl Par...	16.450	16.123	87147954	204.7E6	672.663	545.129
23)	Merphos	16.743	16.806	168.4E6	343.7E6	2131.695	1981.737
24)	Stirophos	17.704	17.457	57762655	78060792	637.776	581.729
25)	Tokuthion	17.960	17.834	54054371	99060161	602.329	548.455
26)	Merphos O...	18.103	17.948	44397524	33878241	667.084	425.620
27)	Ethion	18.998	18.863	112.4E6	179.9E6	679.422	587.559
28)	Fensulfot...	19.259	18.674	45397177	58843892	759.351	605.564
29)	Bolstar	19.417	19.094	55348703	96985728	644.643	571.558
30)	Carbophen...	19.662	19.275	54941342	96090479	665.088	623.106
31)	Famphur	19.786	19.234	65685821	93695432	695.859	624.905
33)	EPN	20.705	20.280	50328838	71724993	674.895	577.369
34)	Methyl Az...	21.323	20.785	37107911	60671434	733.621	592.259
35)	Coumaphos	22.096	21.665	36705477	58893927	775.847	650.954
-----							

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11451.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 10:04:36  
Operator : neilcl  
Sample : cc437-600  
Misc : op34745,gzz439,30.3,,,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 22 06:42:52 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.						

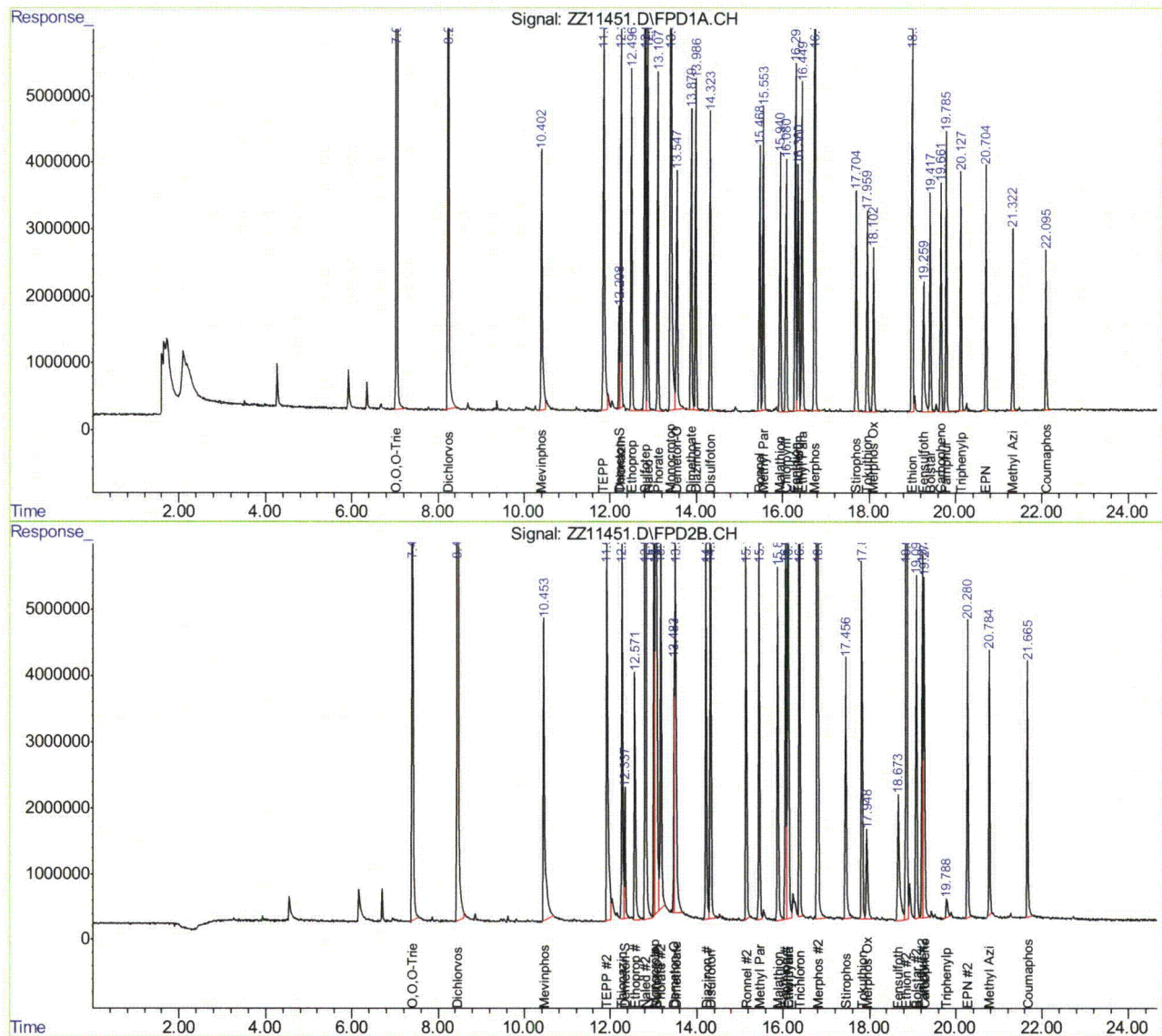


## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11451.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 10:04:36  
Operator : neilcl  
Sample : cc437-600  
Misc : op34745,gzz439,30.3,,,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 22 06:42:52 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\102110\  
 Data File : ZZ11461.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 15:59:29  
 Operator : neilcl  
 Sample : cc437-600  
 Misc : op34758,gzz439,30.0,,,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 22 06:43:22 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	19.813	51365629	7079530	626.997	316.534 #
Spiked Amount	500.000	Range	48 - 133	Recovery	= 125.40%	63.31%
Target Compounds						
1) O,O,O-Tri...	7.039	7.409	168.5E6	226.2E6	638.291	558.746
2) Dichlorvos	8.240	8.452	250.5E6	347.0E6	815.683	692.231
3) Mevinphos	10.404	10.452	88224098	82634162	652.601	387.644 #
4) TEPP	11.849	11.917	164.2E6	174.8E6	2141.011	1731.301
5) Demeton-S	12.211	12.335	21440129	29458119	595.952	416.286
6) Thionazin	12.252	12.274	90706932	97059016	647.843	429.746
7) Ethoprop	12.498	12.571	81867939	49912418	648.461	265.778 #
8) Sulfotep	12.803	13.064	151.9E6	281.6E6	648.845	529.104
9) Naled	12.870	12.816	103.4E6	156.9E6	1729.589	1555.804
10) Phorate	13.110	13.174	78310237	119.2E6	608.953	428.593
11) Monocroto...	13.407	13.019	188.6E6	99019141	2689.229	1937.035
12) Demeton-O	13.550	13.484	69831900	54844366	686.682	446.235
13) Dimethoate	13.881	13.515	75880555	104.7E6	638.777	449.618
14) Diazinon	13.989	14.220	77029150	88801885	594.620	434.133
15) Disulfoton	14.326	14.326	73593219	99433817	594.328	462.188
16) Ronnel	15.471	15.152	67106559	85763675	580.404	453.843
17) Methyl Pa...	15.555	15.454	74082396	97276278	608.602	514.312
18) Malathion	15.943	15.883	62661300	86093825	626.820	485.662
19) Chlorpyrifos	16.083	16.121	63579450	186.5E6	594.783	503.879
20) Fenthion	16.297	16.066	87770779	123.0E6	593.527	520.806
21) Trichloro...	16.365	16.386	64131983	103.3E6	575.042	512.618
22) Ethyl Par...	16.453	16.121	82811780	186.5E6	639.194	503.879
23) Merphos	16.747	16.804	163.6E6	316.3E6	2074.484	1844.242
24) Stirophos	17.707	17.456	56368404	72600537	625.847	551.234
25) Tokuthion	17.962	17.832	51882068	92058097	578.123	515.622
26) Merphos O...	18.106	17.946	44538268	27822045	669.199	371.028 #
27) Ethion	19.001	18.860	106.6E6	166.0E6	644.750	552.742
28) Fensulfot...	19.263	18.675	42227181	50272432	706.327	552.583
29) Bolstar	19.419	19.091	52379088	90379316	610.056	541.437
30) Carbophen...	19.664	19.272	51524851	88343030	623.730	587.347
31) Famphur	19.788	19.232	59773814	87498578	650.149	596.243
33) EPN	20.709	20.278	45665479	59700323	612.361	505.340
34) Methyl Az...	21.326	20.783	34437604	56519294	680.830	565.803
35) Coumaphos	22.098	21.663	32712646	50400067	691.450	590.214
-----						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11461.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 15:59:29  
Operator : neilcl  
Sample : cc437-600  
Misc : op34758,gzz439,30.0,,,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 22 06:43:22 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

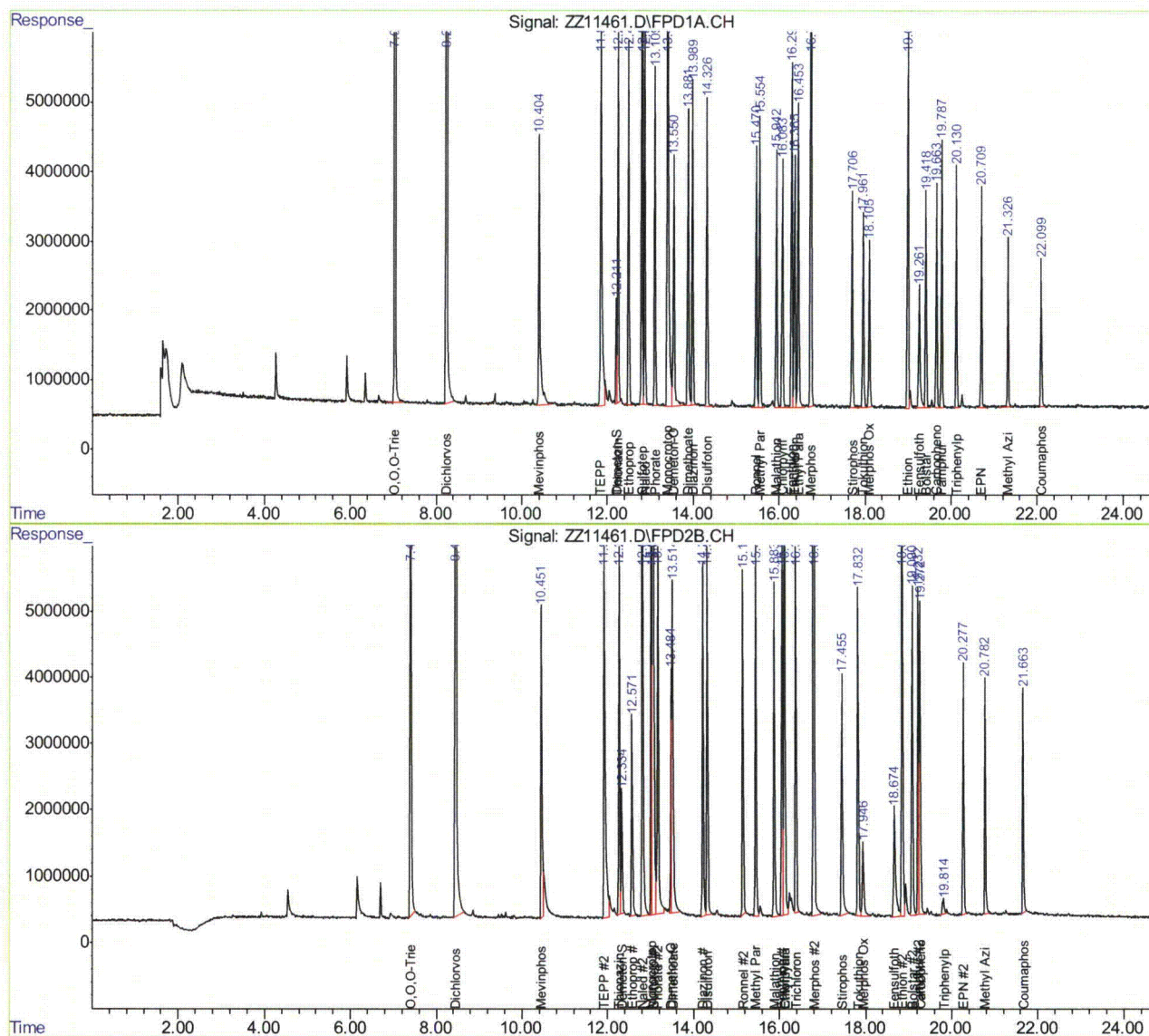
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11461.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 15:59:29  
Operator : neilcl  
Sample : cc437-600  
Misc : op34758,gzz439,30.0,,,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 22 06:43:22 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\102110\  
Data File : ZZ11471.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 20:53:41  
Operator : neilc1  
Sample : cc437-600  
Misc : op34758,gzz439,30.0,,,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 22 07:06:45 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...	20.129	19.806	55129204	7294448	672.937	323.340 #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	134.59%#	64.67%
Target Compounds						
1) O,O,O-Tri...	7.039	7.409	168.5E6	231.5E6	638.272	571.862
2) Dichlorvos	8.240	8.451	313.4E6	429.3E6	1020.636	856.486
3) Mevinphos	10.404	10.451	83055642	84465776	620.381	395.034
4) TEPP	11.846	11.914	194.9E6	209.1E6	2354.948	1902.402
5) Demeton-S	12.212	12.334	22797123	29958403	633.671	422.426
6) Thionazin	12.251	12.273	92938863	97711426	661.382	432.286
7) Ethoprop	12.497	12.569	85431798	45580787	676.690	245.465 #
8) Sulfotep	12.803	13.063	157.0E6	278.7E6	670.577	523.961
9) Naled	12.871	12.816	56729944	83421834	1063.075	907.750
10) Phorate	13.110	13.173	80665115	105.9E6	627.265	380.765
11) Monocroto...	13.404	13.015	201.6E6	109.8E6	2802.203	2020.879
12) Demeton-O	13.549	13.481	64998995	56102435	639.158	455.221m
13) Dimethoate	13.881	13.511	77767355	99565593	650.967	432.426
14) Diazinon	13.989	14.219	79651048	86701850	614.860	423.867
15) Disulfoton	14.326	14.325	75499412	98769089	609.722	459.098
16) Ronnel	15.470	15.150	69597481	86982291	601.948	459.242
17) Methyl Pa...	15.555	15.452	76390347	100.5E6	627.562	529.138
18) Malathion	15.943	15.882	64968715	86040084	649.902	485.415
19) Chlorpyrifos	16.083	16.119	65827281	192.1E6	615.811	516.668
20) Fenthion	16.297	16.064	91399414	128.2E6	618.065	539.007
21) Trichloro...	16.365	16.386	67207600	108.4E6	602.619	537.773
22) Ethyl Par...	16.453	16.119	88713256	192.1E6	684.745	516.668
23) Merphos	16.746	16.802	167.5E6	313.1E6	2120.626	1827.959
24) Stirophos	17.706	17.454	60894781	75284870	664.208	566.331
25) Tokuthion	17.962	17.831	55006590	97601756	612.940	541.669
26) Merphos O...	18.105	17.943	50446448	27446096	757.971	367.482 #
27) Ethion	19.001	18.860	114.3E6	179.3E6	691.195	586.069
28) Fensulfot...	19.260	18.670	44907906	53203167	751.167	571.160
29) Bolstar	19.419	19.090	55477039	97017675	646.138	571.702
30) Carbophen...	19.664	19.271	54991592	93366901	665.697	610.697
31) Famphur	19.788	19.230	65636006	94311120	695.481	627.707
33) EPN	20.710	20.276	47041180	63047116	630.809	525.924
34) Methyl Az...	21.326	20.780	35308191	58950217	698.041	581.396
35) Coumaphos	22.098	21.662	33944892	52916613	717.496	608.677

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11471.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 20:53:41  
Operator : neilc1  
Sample : cc437-600  
Misc : op34758,gzz439,30.0,,,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 22 07:06:45 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.						

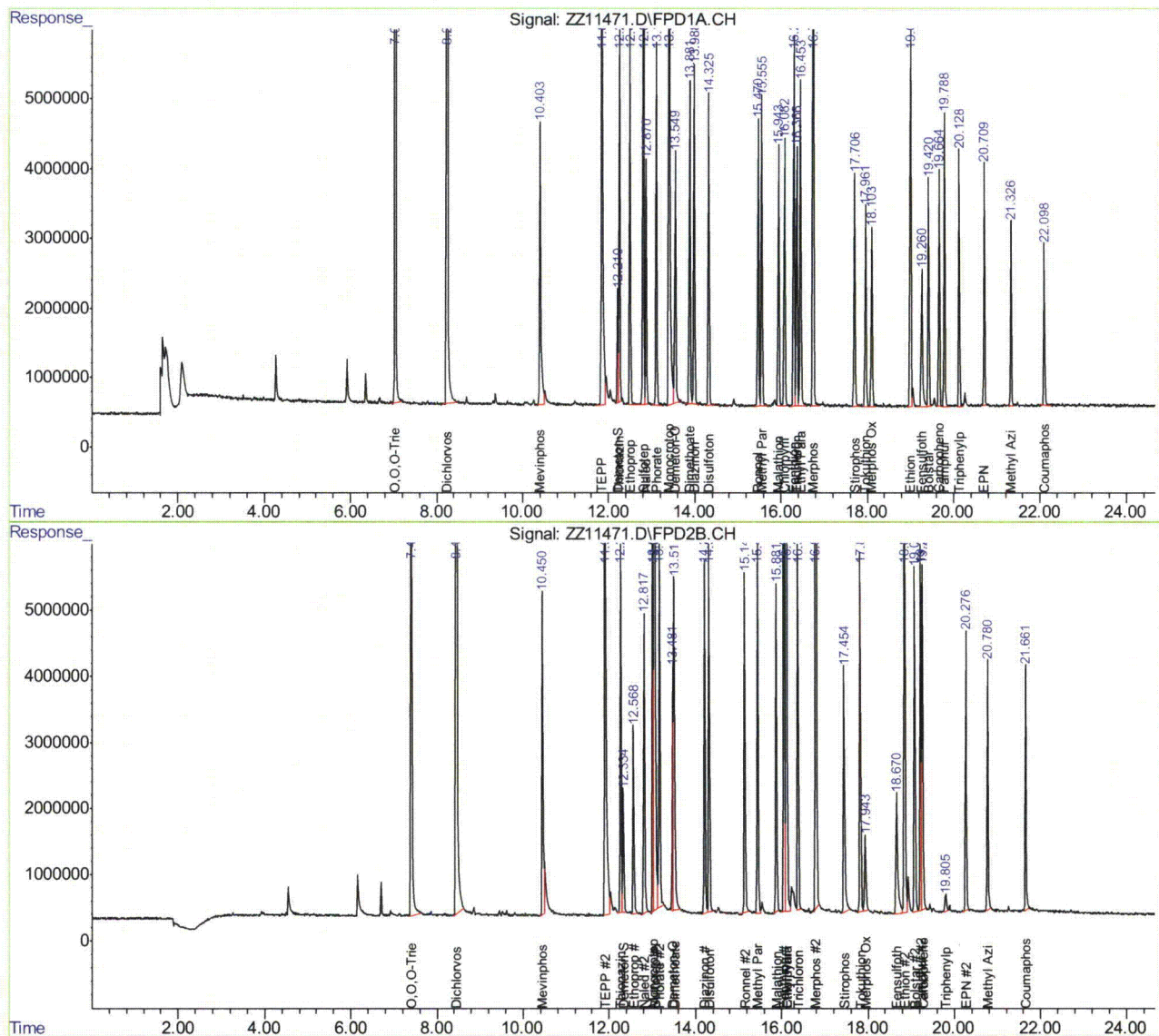


## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11471.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 20:53:41  
Operator : neilcl  
Sample : cc437-600  
Misc : op34758,gzz439,30.0,,,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 22 07:06:45 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\102110\  
 Data File : ZZ11476.D  
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
 Acq On : 21-Oct-10, 23:20:25  
 Operator : neilcl  
 Sample : ecc437-600  
 Misc : op34761,gzz439,1000,,,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 22 07:10:48 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	19.806	58021132	6934218	708.238	311.884 #
	Spiked Amount	500.000	Range	55 - 128	Recovery	= 141.65%#	62.38%
Target Compounds							
1)	O,O,O-Tri...	7.039	7.409	172.8E6	229.7E6	654.739	567.483
2)	Dichlorvos	8.239	8.451	304.9E6	418.0E6	992.946	833.814
3)	Mevinphos	10.403	10.451	86291967	86478455	640.617	403.111
4)	TEPP	11.843	11.910	221.8E6	240.7E6	2528.761	2048.287
5)	Demeton-S	12.210	12.333	23839612	30816777	662.648	432.907
6)	Thionazin	12.251	12.271	98041182	102.5E6	692.026	450.842
7)	Ethoprop	12.496	12.567	88146814	45735116	698.195	246.196 #
8)	Sulfotep	12.802	13.061	165.4E6	297.3E6	706.133	556.272
9)	Naled	12.870	12.814	72816816	105.8E6	1307.096	1116.417
10)	Phorate	13.109	13.172	84497473	117.4E6	657.066	421.989
11)	Monocroto...	13.402	13.015	214.1E6	110.1E6	2906.688	2023.086
12)	Demeton-O	13.547	13.479	71224683	52766071	700.377	431.295m
13)	Dimethoate	13.878	13.510	83607912	106.8E6	688.048	456.528
14)	Diazinon	13.988	14.218	84363082	90550223	651.234	442.681
15)	Disulfoton	14.324	14.322	79875772	104.6E6	645.065	486.041
16)	Ronnel	15.469	15.149	72833109	93929969	629.933	489.640
17)	Methyl Pa...	15.554	15.451	79682214	107.6E6	654.606	560.549
18)	Malathion	15.942	15.880	68019655	93156374	680.422	517.722
19)	Chlorpyrifos	16.082	16.117	70675791	203.8E6	661.169	543.180
20)	Fenthion	16.296	16.063	96923194	135.8E6	655.418	565.467
21)	Trichloro...	16.364	16.383	70654201	118.5E6	633.523	587.986
22)	Ethyl Par...	16.452	16.117	93200918	203.8E6	719.384	543.180
23)	Merphos	16.744	16.802	179.9E6	341.0E6	2268.037	1968.071
24)	Stirophos	17.704	17.452	61688623	79038143	670.830	587.100
25)	Tokuthion	17.960	17.829	56021009	101.5E6	624.244	559.601
26)	Merphos O...	18.104	17.941	51833553	28970783	778.813	381.741 #
27)	Ethion	18.999	18.858	117.4E6	184.7E6	709.773	599.172
28)	Fensulfot...	19.259	18.667	46219902	50098296	773.113	551.463
29)	Bolstar	19.418	19.087	57887689	99699056	674.215	583.715
30)	Carbophen...	19.662	19.269	57773875	96679098	699.377	625.766
31)	Famphur	19.787	19.229	69333307	97521192	723.229	642.192
33)	EPN	20.708	20.275	48264018	66307882	647.207	545.568
34)	Methyl Az...	21.325	20.780	37291853	63116546	737.258	607.450
35)	Coumaphos	22.098	21.661	35435886	54886807	749.011	622.847
-----							



## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11476.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 23:20:25  
Operator : neilc1  
Sample : ecc437-600  
Misc : op34761,gzz439,1000,,,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 22 07:10:48 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

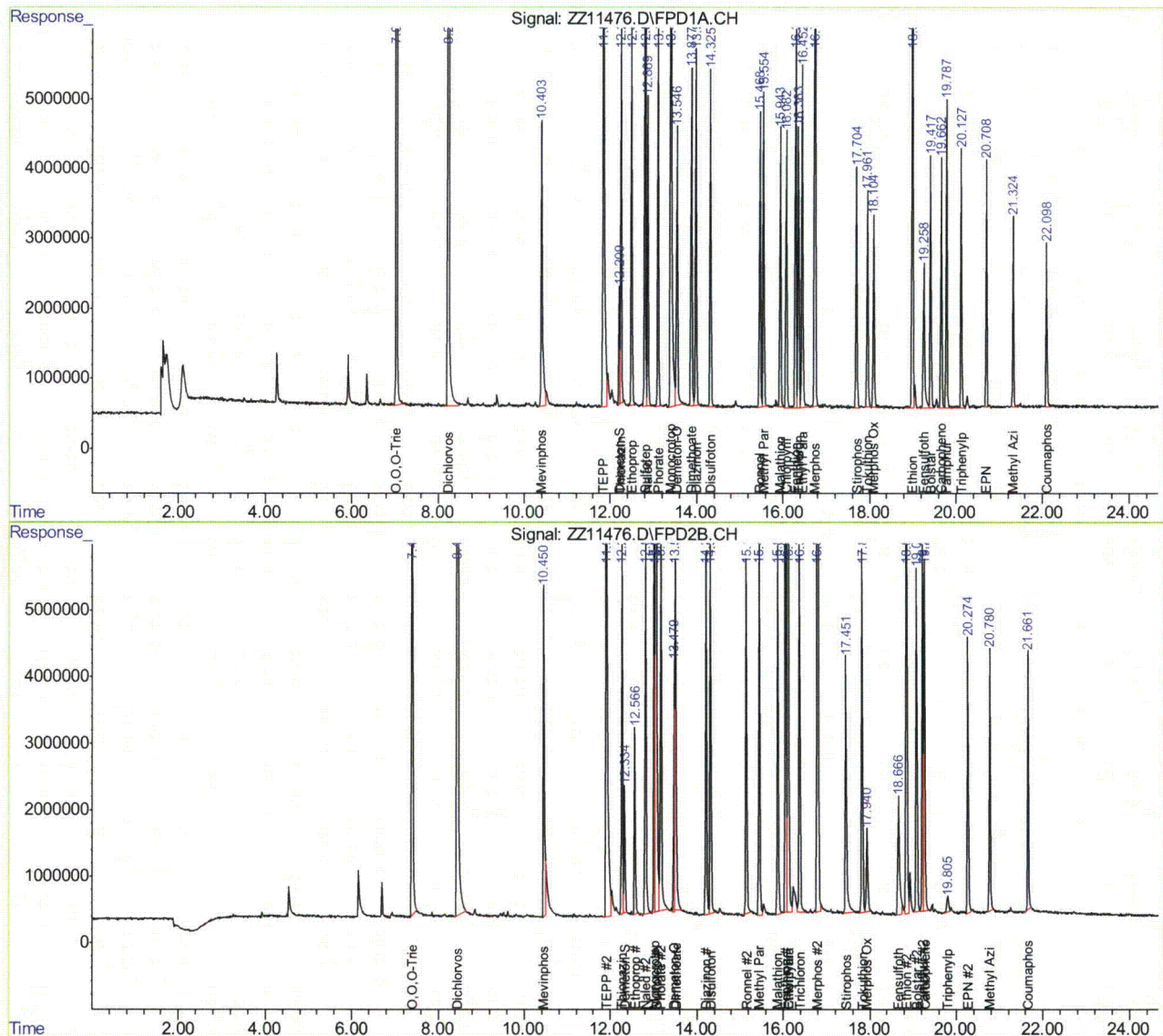
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

## Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102110\  
Data File : ZZ11476.D  
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH  
Acq On : 21-Oct-10, 23:20:25  
Operator : neilcl  
Sample : ecc437-600  
Misc : op34761,gzz439,1000,,,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 22 07:10:48 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: DB5 MR2  
 AMOUNT INJECTED: 2 ul  
 INSTRUMENT: FPD1-ZZ

## GC FPD1-ZZ ANALYSIS LOG

METHODS: 8141  
 ACQ. METHOD:  
 PROC. METHOD: 8141-103  
 CALIB. DATE: 10/13/10  
 RUN BATCH: GZZ 437

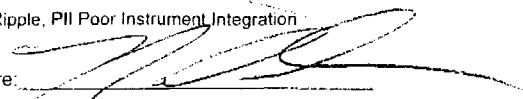
ANALYST: MC  
 HEXANE LOT #: N/A  
 SIGNAL 1 SURR. AREA/CONC: 78.0  
 SIGNAL 2 SURR. AREA/CONC: 47.6

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
ZZ 11402	1	COND STD	8141	53689-5484	10.00/400		✓
ZZ 03	2	1C437-50			10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	✓
ZZ 04	3	1C437-100			10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	✓
ZZ 05	4	1C437-200			10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	✓
ZZ 06	5	1C437-400			10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	✓
ZZ 07	6	1C437-600			10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	✓
ZZ 08	7	1C437-800			10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	✓
ZZ 09	8	1C437-1000			10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	✓
ZZ 10	9	1C437-400		53689-5484	10.00/400	Sample, 0.28 MP, 0.11 SP, 0.11 OP, 0.11 PDB, 0.11 BR, 0.11 PII	Pass, Multiple ↑
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 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: 10/21/10  
 COLUMN TYPE: DB-5 MR-1  
 AMOUNT INJECTED: 2 ul  
 INSTRUMENT: FPD1-ZZ

## GC FPD1-ZZ ANALYSIS LOG

METHODS\*: 8141  
 ACQ. METHOD: J  
 PROC. METHOD: 8141-1012  
 CALIB. DATE: 10/13/10  
 RUN BATCH: GZZ 439

ANALYST: NL  
 HEXANE LOT #: 327E34  
 SIGNAL 1 SURR. AREA/CONC: 57.7  
 SIGNAL 2 SURR. AREA/CONC: 37.8


DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
ZZ 11449	1	test 1	8141	53683-53684	200.1200 1X		test run only
ZZ 50	3	test 2		E3493	25A		↓
ZZ 51	2	CC437-602		53683-53684	200.1200 400		Pass
ZZ 52	3	sur		E3493	25X		test run only
ZZ 53	4	sur		↓	1X		↓
ZZ 54	5	Op34758-b6		Op34758	1X	023 MP (conc. 100.026)	✓ (NL 10/22/10)
ZZ 55	6	-mh					ND
ZZ 56	7	JA58900-1					ND
ZZ 57	8	-2					ND
ZZ 58	9	-3					ND
ZZ 59	10	Op34758-m6				023 MP (conc. 100.026)	✓
ZZ 60	11	-m6				023 MP (conc. 100.026)	✓
ZZ 61	2	CC437-602		53683-53684	200.1200 400		Pass
ZZ 62	12	CC6					ND
ZZ 63	13	JA58900-4		Op34758	1X		ND
ZZ 64	14	-7					ND
ZZ 65	15	-8					ND
ZZ 66	16	-9					ND
ZZ 67	17	-10					ND
ZZ 68	18	-11					ND

\* 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

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Analyst's Signature: 

GC FPD1-ZZ ANALYSIS LOG

DATE:	10/21/10
COLUMN TYPE:	DB5 MRL
AMOUNT INJECTED:	2 ul
INSTRUMENT:	FPD1-ZZ

METHODS\*: 3141  
ACQ. METHOD: J  
PROC. METHOD: 3141-1013  
CALIB. DATE: 10/13/00  
RUN BATCH: GZZ 4349

ANALYST:	NC
HEXANE LOT #:	527E34
SIGNAL 1 SURR. AREA/CONC:	57.7
SIGNAL 2 SURR. AREA/CONC:	378

[illegible]

\* 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 initiated 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: 10/20/10 09:05  
(mm/dd/yy 24:00)Prep Method: (3550B) or Method (circle)Batch#: OP 34758Analytical Method: 8141Ext. By: PO: SC FMConc. By: MVViald By: NA

Sample ID	Bottle Number	Amount Extracted (g)	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP 34758 MB	<del>X</del>	30.0	0.5ml		10.0ml	
OP 34758 BS	<del>X</del>	30.0		0.5ml		
JA58900-1	1	30.3				
-2	1	29.6				
-3	2	30.4				mis/mis
-4	1	30.3				
-7	1	29.6				
-8	1	30.1				
-9	1	29.9				
-10	1	29.7				
-11	1	29.8				
-12	1	30.0				
-14	1	30.3				
NA 10/20/10						
JA58900-3MS	2	30.3	0.5ml	0.5ml	10.0ml	
JA58900-3MSD	2	30.0				
DUP						

## Comments:

Surr. ID: 53493 Conc: 10 PPM Exp. Date: 01/20/11 Inj. By: JC Ver. By: EM  
 Spk. ID: E3442 Conc: 10 PPM Exp. Date: 01/24/11 Inj. By: JC Ver. By: EM

Initial Bath Temp (Therm ID): TV 6 Exchange Bath/N-Evap Temp (Therm ID): TV 5  
 Observed Temp °C: 40°C Corr. Temp °C: 40°C Observed Temp °C: 55°C Corr. Temp °C: 55°C

CH2CL2 Lot # J27503 Hexane Lot # J27E34 Na2SO4 Lot# 55138  
 Acetonitrile Lot # — Methanol Lot # — Acetone Lot# —  
 Syringe Filter Lot# — Reagent # — Reagent # —  
 Copper Lot # — If Sulfur Cleaning is performed in Extractions (3660B)

Relinquished By: [Signature]Date: 10/20/10Accepted By: [Signature]Date: 10/20/10

20.7.2