ภาคผนวก

ภาคผนวก ก

กราฟมาตรฐานของยาฆ่าแมลง

Calibration Table

Calib. Data Modified : 9/20/2018 9:56:35 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Multiplier : 0.1800
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

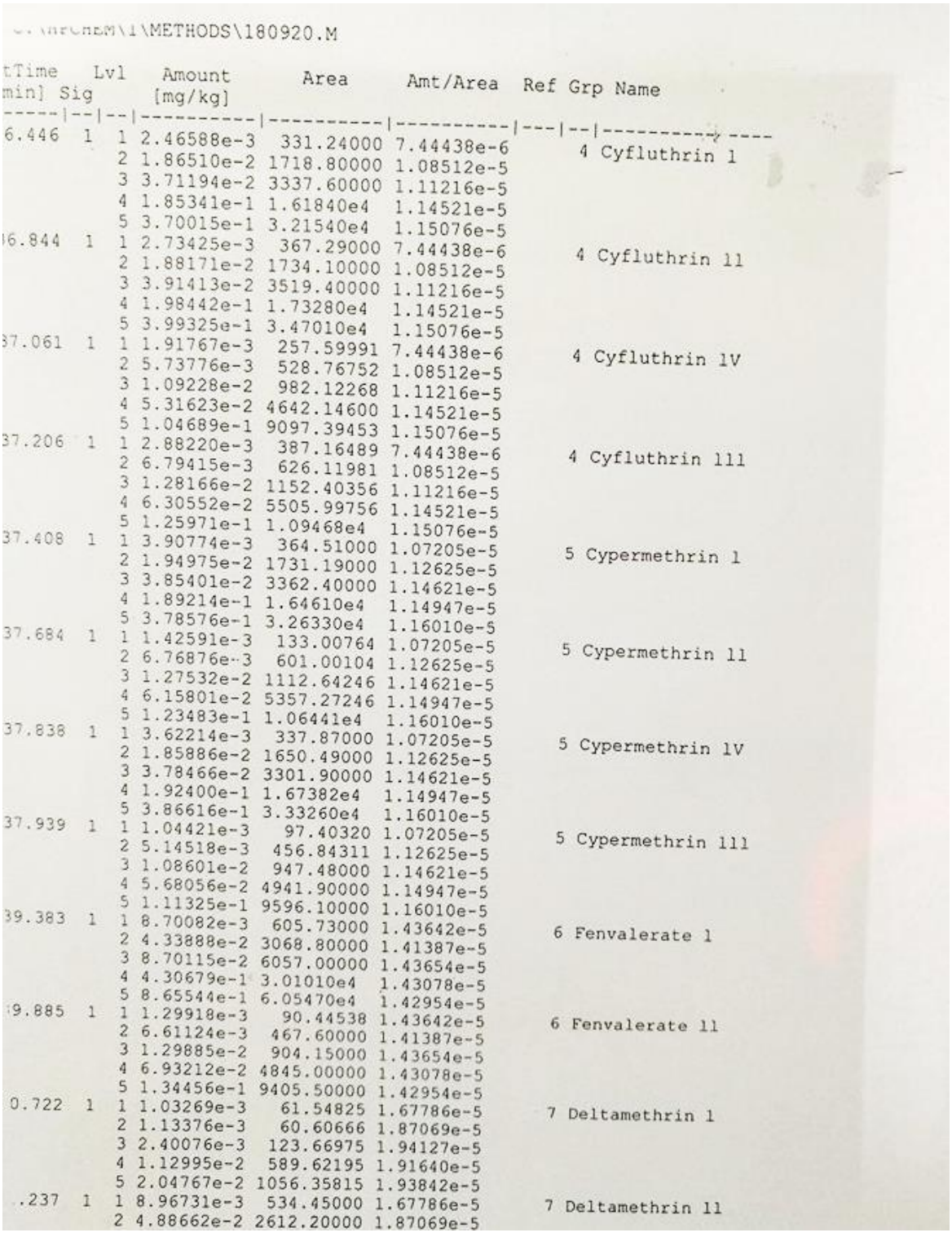
Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD2 B,

RetTime [min]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref Grp	Name
29.315	1	1	1.00000e-2	963.00000	1.03842e-5		Bifenthrin
		2	5.00000e-2	4711.40000	1.06126e-5		
		3	1.00000e-1	9232.00000	1.08319e-5		
		4	5.00000e-1	4.77600e4	1.04690e-5		
		5	1.00000	9.20500e4	1.08637e-5		
31.863	1	1	9.18823e-4	95.27000	9.64441e-6	2	Cyhalothrin 1
		2	4.64931e-3	483.89000	9.60820e-6		
		3	9.49878e-3	999.30000	9.50543e-6		
		4	4.75760e-2	4992.90000	9.52873e-6		
		5	8.78577e-2	9135.00000	9.61770e-6		
32.377	1	1	9.08118e-3	941.60000	9.64441e-6	2	Cyhalothrin 11
		2	4.53507e-2	4720.00000	9.60820e-6		
		3	9.05012e-2	9521.00000	9.50543e-6		
		4	4.52424e-1	4.74800e4	9.52873e-6		
		5	9.12142e-1	9.48400e4	9.61770e-6		
34.253	1	1	9.58834e-4	32.17300	2.98024e-5	3	Permethrin 1
		2	4.78900e-3	160.17000	2.98995e-5		
		3	9.06004e-3	304.13000	2.97900e-5		
		4	5.44147e-2	1851.70000	2.93864e-5		
		5	1.05715e-1	3659.70000	2.88861e-5		
34.698	1	1	9.04117e-3	303.37000	2.98024e-5	3	Permethrin 11
		2	4.52110e-2	1512.10000	2.98995e-5		
		3	9.09400e-2	3052.70000	2.97900e-5		
		4	4.45585e-1	1.51630e4	2.93864e-5		
		5	8.94285e-1	3.09590e4	2.88861e-5		



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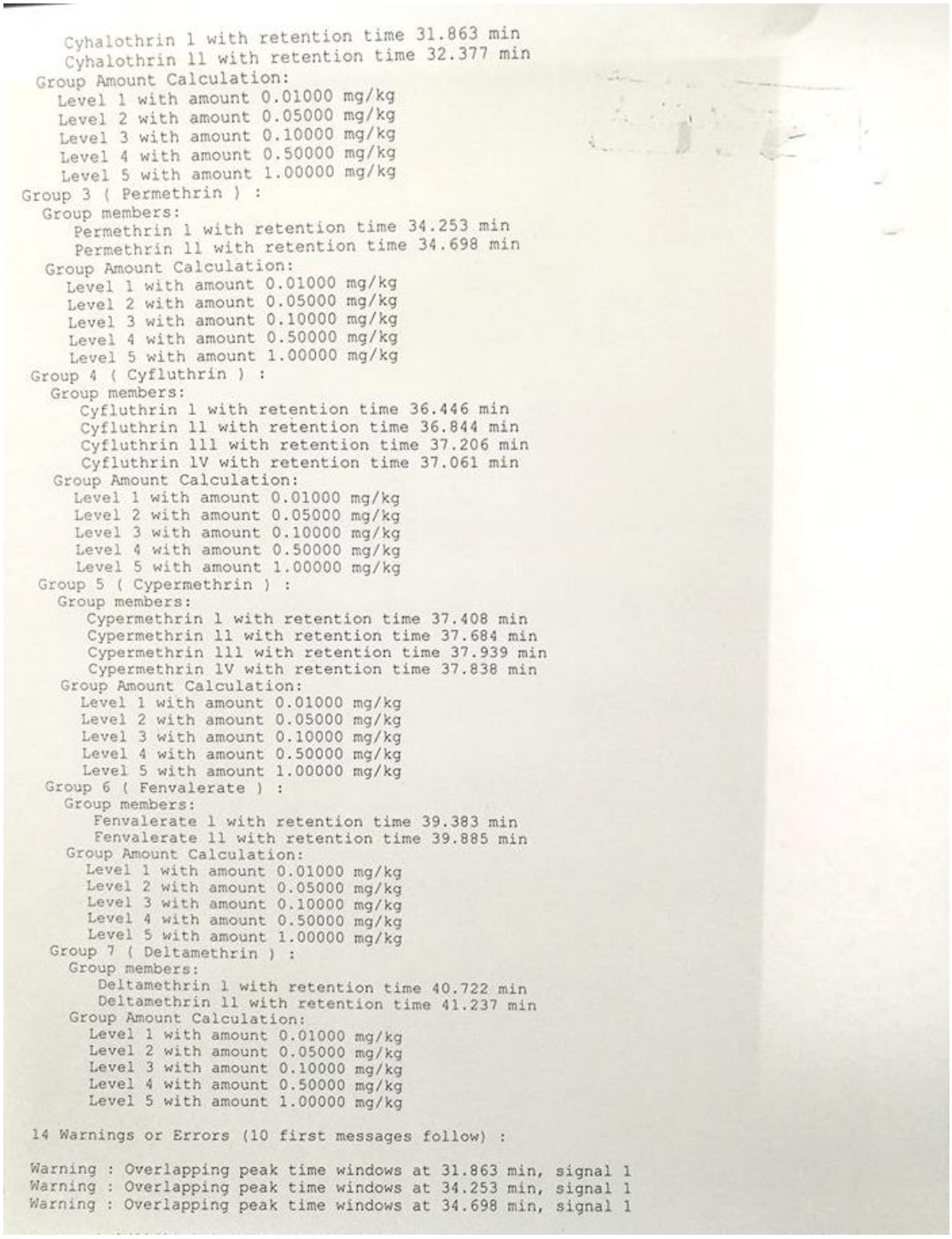
tTime [min]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref	Grp	Name
6.446	1	1	2.46588e-3	331.24000	7.44438e-6		4	Cyfluthrin 1
		2	1.86510e-2	1718.80000	1.08512e-5			
		3	3.71194e-2	3337.60000	1.11216e-5			
		4	1.85341e-1	1.61840e4	1.14521e-5			
		5	3.70015e-1	3.21540e4	1.15076e-5			
6.844	1	1	2.73425e-3	367.29000	7.44438e-6		4	Cyfluthrin 11
		2	1.88171e-2	1734.10000	1.08512e-5			
		3	3.91413e-2	3519.40000	1.11216e-5			
		4	1.98442e-1	1.73280e4	1.14521e-5			
		5	3.99325e-1	3.47010e4	1.15076e-5			
7.061	1	1	1.91767e-3	257.59991	7.44438e-6		4	Cyfluthrin 1V
		2	5.73776e-3	528.76752	1.08512e-5			
		3	1.09228e-2	982.12268	1.11216e-5			
		4	5.31623e-2	4642.14600	1.14521e-5			
		5	1.04689e-1	9097.39453	1.15076e-5			
7.206	1	1	2.88220e-3	387.16489	7.44438e-6		4	Cyfluthrin 111
		2	6.79415e-3	626.11981	1.08512e-5			
		3	1.28166e-2	1152.40356	1.11216e-5			
		4	6.30552e-2	5505.99756	1.14521e-5			
		5	1.25971e-1	1.09468e4	1.15076e-5			
7.408	1	1	3.90774e-3	364.51000	1.07205e-5		5	Cypermethrin 1
		2	1.94975e-2	1731.19000	1.12625e-5			
		3	3.85401e-2	3362.40000	1.14621e-5			
		4	1.89214e-1	1.64610e4	1.14947e-5			
		5	3.78576e-1	3.26330e4	1.16010e-5			
7.684	1	1	1.42591e-3	133.00764	1.07205e-5		5	Cypermethrin 11
		2	6.76876e-3	601.00104	1.12625e-5			
		3	1.27532e-2	1112.64246	1.14621e-5			
		4	6.15801e-2	5357.27246	1.14947e-5			
		5	1.23483e-1	1.06441e4	1.16010e-5			
7.838	1	1	3.62214e-3	337.87000	1.07205e-5		5	Cypermethrin 1V
		2	1.85886e-2	1650.49000	1.12625e-5			
		3	3.78466e-2	3301.90000	1.14621e-5			
		4	1.92400e-1	1.67382e4	1.14947e-5			
		5	3.86616e-1	3.33260e4	1.16010e-5			
7.939	1	1	1.04421e-3	97.40320	1.07205e-5		5	Cypermethrin 111
		2	5.14518e-3	456.84311	1.12625e-5			
		3	1.08601e-2	947.48000	1.14621e-5			
		4	5.68056e-2	4941.90000	1.14947e-5			
		5	1.11325e-1	9596.10000	1.16010e-5			
9.383	1	1	8.70082e-3	605.73000	1.43642e-5		6	Fenvalerate 1
		2	4.33888e-2	3068.80000	1.41387e-5			
		3	8.70115e-2	6057.00000	1.43654e-5			
		4	4.30679e-1	3.01010e4	1.43078e-5			
		5	8.65544e-1	6.05470e4	1.42954e-5			
9.885	1	1	1.29918e-3	90.44538	1.43642e-5		6	Fenvalerate 11
		2	6.61124e-3	467.60000	1.41387e-5			
		3	1.29885e-2	904.15000	1.43654e-5			
		4	6.93212e-2	4845.00000	1.43078e-5			
		5	1.34456e-1	9405.50000	1.42954e-5			
0.722	1	1	1.03269e-3	61.54825	1.67786e-5		7	Deltamethrin 1
		2	1.13376e-3	60.60666	1.87069e-5			
		3	2.40076e-3	123.66975	1.94127e-5			
		4	1.12995e-2	589.62195	1.91640e-5			
		5	2.04767e-2	1056.35815	1.93842e-5			
.237	1	1	8.96731e-3	534.45000	1.67786e-5		7	Deltamethrin 11
		2	4.88662e-2	2612.20000	1.87069e-5			



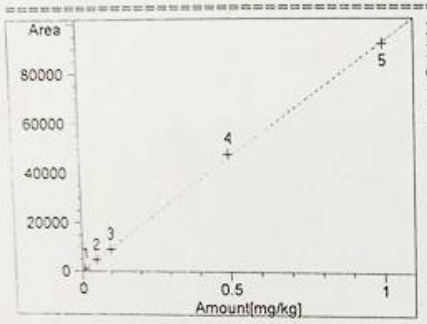
```
    Cyhalothrin 1 with retention time 31.863 min
    Cyhalothrin 11 with retention time 32.377 min
  Group Amount Calculation:
    Level 1 with amount 0.01000 mg/kg
    Level 2 with amount 0.05000 mg/kg
    Level 3 with amount 0.10000 mg/kg
    Level 4 with amount 0.50000 mg/kg
    Level 5 with amount 1.00000 mg/kg
Group 3 ( Permethrin ) :
  Group members:
     Permethrin 1 with retention time 34.253 min
     Permethrin 11 with retention time 34.698 min
   Group Amount Calculation:
     Level 1 with amount 0.01000 mg/kg
     Level 2 with amount 0.05000 mg/kg
     Level 3 with amount 0.10000 mg/kg
     Level 4 with amount 0.50000 mg/kg
     Level 5 with amount 1.00000 mg/kg
 Group 4 ( Cyfluthrin ) :
   Group members:
      Cyfluthrin 1 with retention time 36.446 min
      Cyfluthrin 11 with retention time 36.844 min
      Cyfluthrin 111 with retention time 37.206 min
      Cyfluthrin 1V with retention time 37.061 min
    Group Amount Calculation:
      Level 1 with amount 0.01000 mg/kg
      Level 2 with amount 0.05000 mg/kg
      Level 3 with amount 0.10000 mg/kg
      Level 4 with amount 0.50000 mg/kg
      Level 5 with amount 1.00000 mg/kg
  Group 5 ( Cypermethrin ) :
    Group members:
       Cypermethrin 1 with retention time 37.408 min
       Cypermethrin 11 with retention time 37.684 min
       Cypermethrin 111 with retention time 37.939 min
       Cypermethrin 1V with retention time 37.838 min
     Group Amount Calculation:
       Level 1 with amount 0.01000 mg/kg
       Level 2 with amount 0.05000 mg/kg
       Level 3 with amount 0.10000 mg/kg
       Level 4 with amount 0.50000 mg/kg
       Level 5 with amount 1.00000 mg/kg
   Group 6 ( Fenvalerate ) :
     Group members:
        Fenvalerate 1 with retention time 39.383 min
        Fenvalerate 11 with retention time 39.885 min
     Group Amount Calculation:
       Level 1 with amount 0.01000 mg/kg
       Level 2 with amount 0.05000 mg/kg
       Level 3 with amount 0.10000 mg/kg
       Level 4 with amount 0.50000 mg/kg
       Level 5 with amount 1.00000 mg/kg
   Group 7 ( Deltamethrin ) :
     Group members:
        Deltamethrin 1 with retention time 40.722 min
        Deltamethrin 11 with retention time 41.237 min
     Group Amount Calculation:
       Level 1 with amount 0.01000 mg/kg
       Level 2 with amount 0.05000 mg/kg
       Level 3 with amount 0.10000 mg/kg
       Level 4 with amount 0.50000 mg/kg
       Level 5 with amount 1.00000 mg/kg

 14 Warnings or Errors (10 first messages follow) :

 Warning : Overlapping peak time windows at 31.863 min, signal 1
 Warning : Overlapping peak time windows at 34.253 min, signal 1
 Warning : Overlapping peak time windows at 34.698 min, signal 1
```

Warning : Overlapping peak time windows at 36.446 min, signal 1
Warning : Overlapping peak time windows at 36.844 min, signal 1
Warning : Overlapping peak time windows at 37.061 min, signal 1
Warning : Overlapping peak time windows at 37.206 min, signal 1
Warning : Overlapping peak time windows at 37.408 min, signal 1
Warning : Overlapping peak time windows at 37.684 min, signal 1
Warning : Overlapping peak time windows at 37.838 min, signal 1

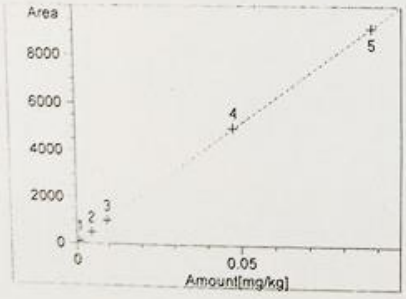
Peak Sum Table

No Entries in table

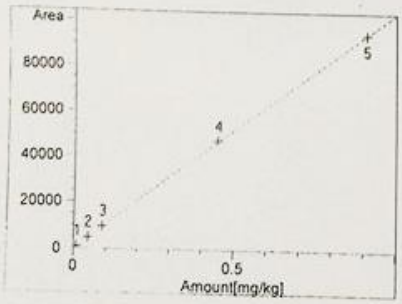
Calibration Curves



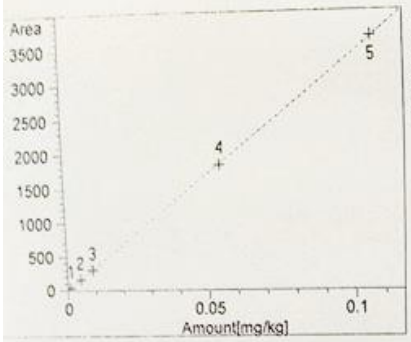
Bifenthrin at exp. RT: 29.315
ECD2 B,
Correlation: 0.99984
Residual Std. Dev.: 752.46462
Formula: y = mx + b
m: 92481.57178
b: 199.49847
x: Amount[mg/kg]
y: Area



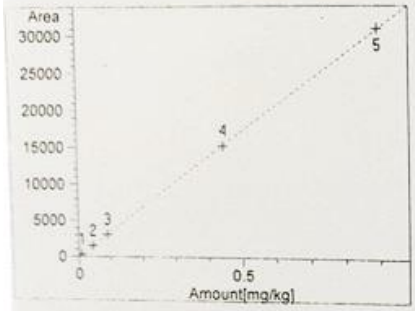
Cyhalothrin 1 at exp. RT: 31.863
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 19.95210
Formula: y = mx + b
m: 104110.07776
b: 6.28922
x: Amount[mg/kg]
y: Area



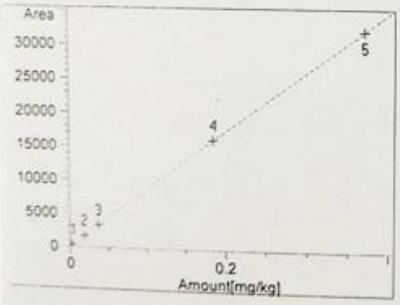
Cyhalothrin 11 at exp. RT: 32.377
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 191.76240
Formula: y = mx + b
m: 104079.88143
b: 65.67949
x: Amount[mg/kg]
y: Area



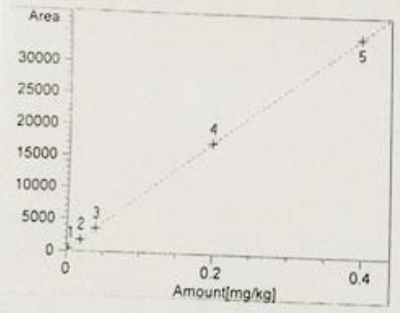
Permethrin 1 at exp. RT: 34.253
ECD2 B,
Correlation: 0.99997
Residual Std. Dev.: 13.61457
Formula: y = mx + b
m: 34569.14706
b: -6.59235
x: Amount[mg/kg]
y: Area



Permethrin 11 at exp. RT: 34.698
ECD2 B,
Correlation: 0.99997
Residual Std. Dev.: 112.44096
Formula: y = mx + b
m: 34581.22037
b: -60.85277
x: Amount[mg/kg]
y: Area



Cyfluthrin 1 at exp. RT: 36.446
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 51.72018
Formula: y = mx + b
m: 86711.59494
b: 86.68307
x: Amount[mg/kg]
y: Area



Cyfluthrin 11 at exp. RT: 36.844
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 55.37920
Formula: y = mx + b
m: 86713.96333
b: 92.02866
x: Amount[mg/kg]
y: Area

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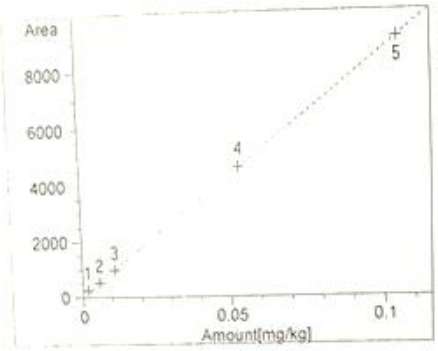
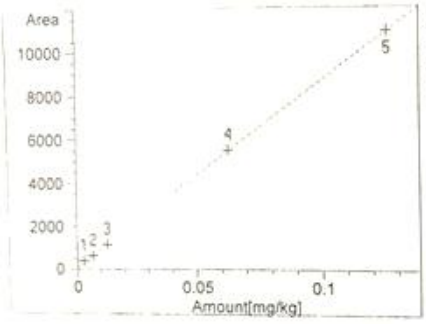
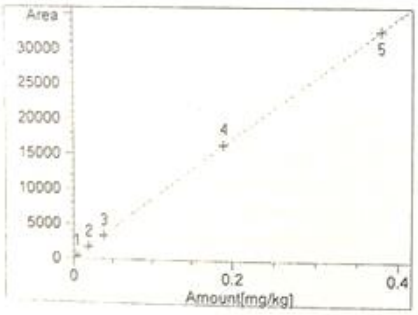


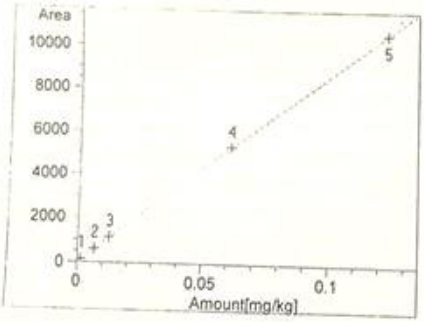
Cyfluthrin 1V at exp. RT: 37.061
ECD2 B,
Correlation: 0.99997
Residual Std. Dev.: 32.95057
Formula: y = mx + b
m: 86523.23491
b: 40.46242
x: Amount[mg/kg]
y: Area



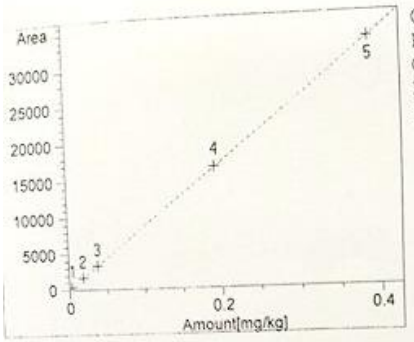
Cyfluthrin 111 at exp. RT: 37.206
ECD2 B,
Correlation: 0.99995
Residual Std. Dev.: 50.71999
Formula: y = mx + b
m: 86457.28657
b: 55.18236
x: Amount[mg/kg]
y: Area



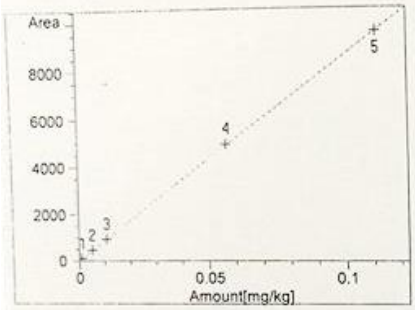
Cypermethrin 1 at exp. RT: 37.408
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 62.33637
Formula: y = mx + b
m: 86224.70811
b: 42.22063
x: Amount[mg/kg]
y: Area



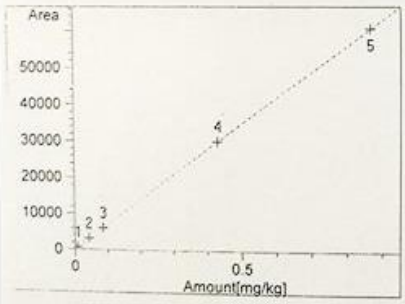
Cypermethrin 11 at exp. RT: 37.684
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 20.26267
Formula: y = mx + b
m: 86218.51145
b: 14.35034
x: Amount[mg/kg]
y: Area



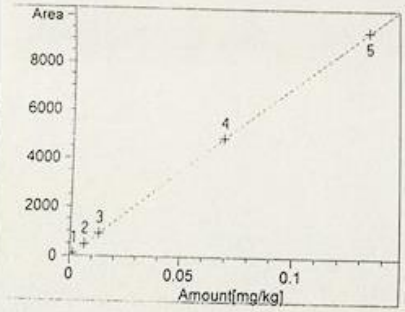
Cypermethrin 1V at exp. RT: 37.838
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 63.47196
Formula: y = mx + b
m: 86229.09963
b: 41.28647
x: Amount[mg/kg]
y: Area



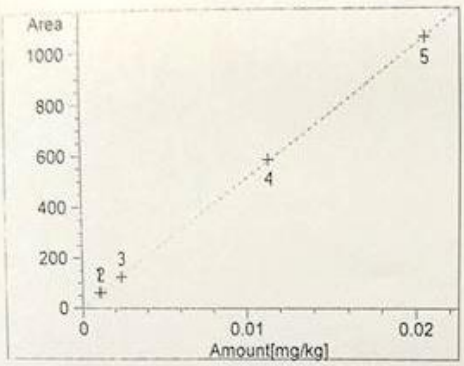
Cypermethrin 111 at exp. RT: 37.939
ECD2 B,
Correlation: 0.99999
Residual Std. Dev.: 18.71453
Formula: y = mx + b
m: 86237.53941
b: 11.71407
x: Amount[mg/kg]
y: Area



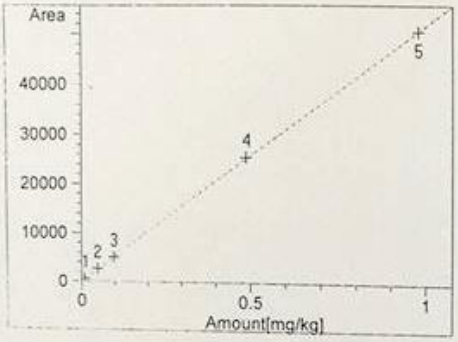
Fenvalerate 1 at exp. RT: 39.383
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 25.13907
Formula: y = mx + b
m: 69941.86461
b: -1.62137
x: Amount[mg/kg]
y: Area



Fenvalerate 11 at exp. RT: 39.885
ECD2 B,
Correlation: 1.00000
Residual Std. Dev.: 3.84676
Formula: y = mx + b
m: 69941.07861
b: -2.27511e-1
x: Amount[mg/kg]
y: Area



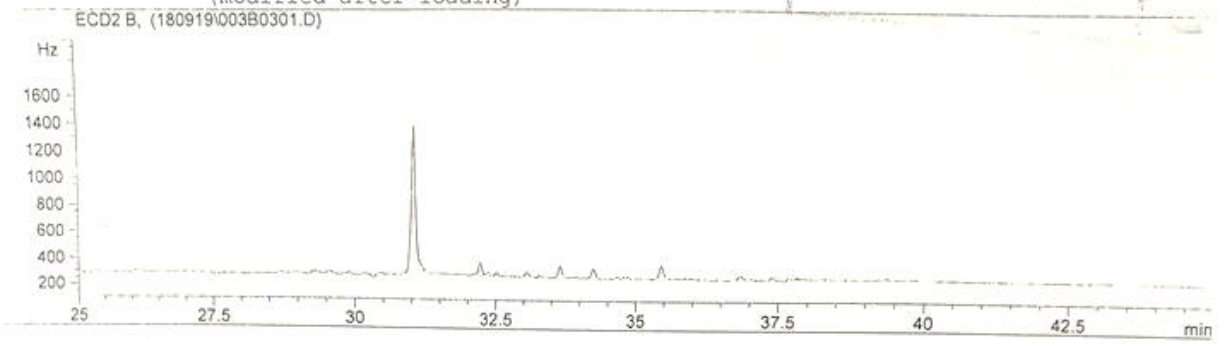
Deltamethrin 1 at exp. RT: 40.722
ECD2 B,
Correlation: 0.99996
Residual Std. Dev.: 4.16568
Formula: y = mx + b
m: 51539.95610
b: 3.11129
x: Amount[mg/kg]
y: Area



Deltamethrin 11 at exp. RT: 41.237
ECD2 B,
Correlation: 0.99998
Residual Std. Dev.: 126.07961
Formula: y = mx + b
m: 51621.34846
b: 65.31777
x: Amount[mg/kg]
y: Area

Sample Name: Rebla

jection Date : 9/19/2018 6:41:14 PM Seq. Line : 3
mple Name : Reblank Location : Vial 3
q. Operator : Nuengruthai Inj : 1
q. Instrument : Instrument 1 Inj Volume : 2 µl
q. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
ast changed : 2/8/2018 9:00:35 AM by Nuengruthai
nalysis Method : C:\HPCHEM\1\METHODS\180920.M
ast changed : 9/20/2018 10:12:22 AM by Nuengruthai
(modified after loading)



External Standard Report

orted By : Signal
lib. Data Modified : 9/20/2018 9:56:35 AM
ltiplier : 0.1800
lution : 1.0000
e Multiplier & Dilution Factor with ISTDs

gnal 1: ECD2 B,

tTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
9.315		-	-	-		Bifenthrin
1.863		-	-	-	2	Cyhalothrin l
2.377		-	-	-	2	Cyhalothrin ll
4.253		-	-	-	3	Permethrin l
4.698		-	-	-	3	Permethrin ll
5.446		-	-	-	4	Cyfluthrin l
5.844		-	-	-	4	Cyfluthrin ll
7.061		-	-	-	4	Cyfluthrin lV
7.206		-	-	-	4	Cyfluthrin lll
.408		-	-	-	5	Cypermethrin l
.684		-	-	-	5	Cypermethrin ll
.838		-	-	-	5	Cypermethrin lV
.939		-	-	-	5	Cypermethrin lll
.383		-	-	-	6	Fenvalerate l
.885		-	-	-	6	Fenvalerate ll
.722		-	-	-	7	Deltamethrin l
.237		-	-	-	7	Deltamethrin ll

ls : 0.00000

ults obtained with enhanced integrator!
p summary :

up	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
	G	0.00000	0.00000	Cyhalothrin
	G	0.00000	0.00000	Permethrin

4	G	0.00000	0.00000	Cyfluthrin
5	G	0.00000	0.00000	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

Peak #	RetTime [min]	Type	Width [min]	Area [Hz*s]	Area %	Name
1	29.315		0.0000	0.00000	0.00000	Bifenthrin
2	31.863		0.0000	0.00000	0.00000	Cyhalothrin l
3	32.377		0.0000	0.00000	0.00000	Cyhalothrin ll
4	34.253		0.0000	0.00000	0.00000	Permethrin l
5	34.698		0.0000	0.00000	0.00000	Permethrin ll
6	36.446		0.0000	0.00000	0.00000	Cyfluthrin l
7	36.844		0.0000	0.00000	0.00000	Cyfluthrin ll
8	37.061		0.0000	0.00000	0.00000	Cyfluthrin lV
9	37.206		0.0000	0.00000	0.00000	Cyfluthrin lll
10	37.408		0.0000	0.00000	0.00000	Cypermethrin l
11	37.684		0.0000	0.00000	0.00000	Cypermethrin ll
12	37.838		0.0000	0.00000	0.00000	Cypermethrin lV
13	37.939		0.0000	0.00000	0.00000	Cypermethrin lll
14	39.383		0.0000	0.00000	0.00000	Fenvalerate l
15	39.885		0.0000	0.00000	0.00000	Fenvalerate ll
16	40.722		0.0000	0.00000	0.00000	Deltamethrin l
17	41.237		0.0000	0.00000	0.00000	Deltamethrin ll

Totals : 0.00000

Results obtained with enhanced integrator!
2 Warnings or Errors :

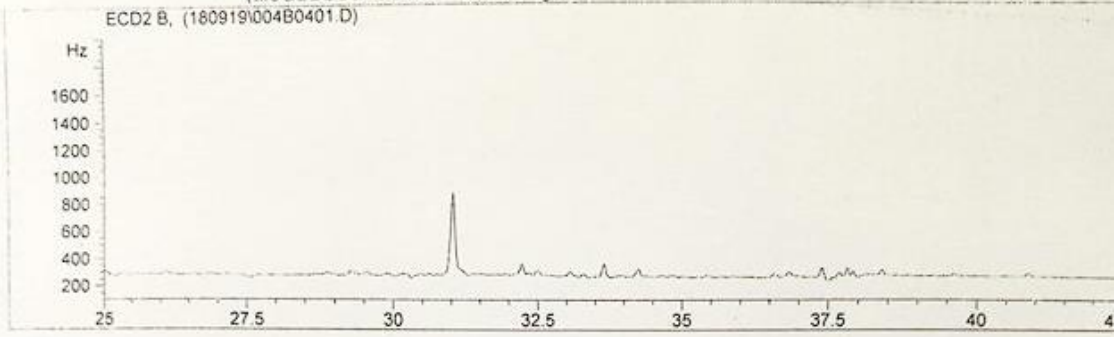
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

Injection Date : 9/19/2018 7:48:27 PM
Sample Name : KK61/04346-006-1
Acq. Operator : Nuengruthai
Acq. Instrument : Instrument 1
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 10:12:22 AM by Nuengruthai
(modified after loading)

Seq. Line : 4
Location : Vial 4
Inj : 1
Inj Volume : 2 µl



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin 1
32.377		-	-	-	2	Cyhalothrin 11
34.253		-	-	-	3	Permethrin 1
34.698		-	-	-	3	Permethrin 11
36.446		-	-	-	4	Cyfluthrin 1
36.844		-	-	-	4	Cyfluthrin 11
37.061		-	-	-	4	Cyfluthrin 1V
37.206		-	-	-	4	Cyfluthrin 111
37.408		-	-	-	5	Cypermethrin 1
37.684		-	-	-	5	Cypermethrin 11
37.838		-	-	-	5	Cypermethrin 1V
37.939		-	-	-	5	Cypermethrin 111
39.383		-	-	-	6	Fenvalerate 1
39.885		-	-	-	6	Fenvalerate 11
40.722		-	-	-	7	Deltamethrin 1
41.237		-	-	-	7	Deltamethrin 11

Totals : 0.00000

Results obtained with enhanced integrator!
Group summary :

4	G	0.00000	0.00000	Cyfluthrin
5	G	0.00000	0.00000	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

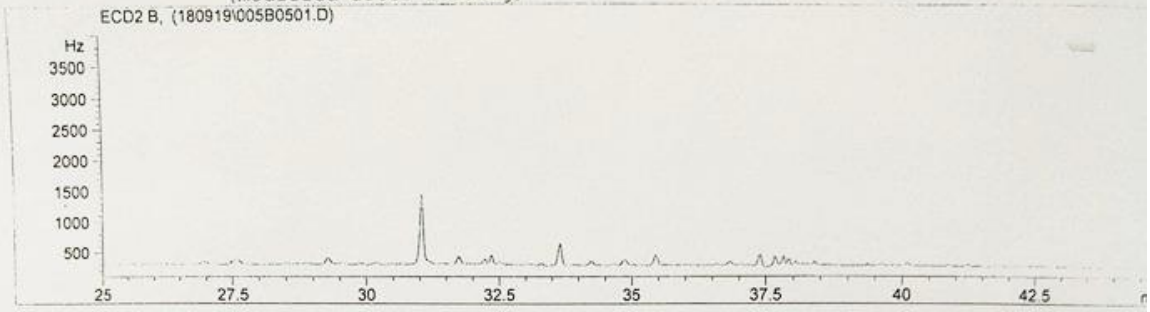
Peak #	RetTime [min]	Type	Width [min]	Area [Hz*s]	Area %	Name
1	29.315		0.0000	0.00000	0.00000	Bifenthrin
2	31.863		0.0000	0.00000	0.00000	Cyhalothrin 1
3	32.377		0.0000	0.00000	0.00000	Cyhalothrin 11
4	34.253		0.0000	0.00000	0.00000	Permethrin 1
5	34.698		0.0000	0.00000	0.00000	Permethrin 11
6	36.446		0.0000	0.00000	0.00000	Cyfluthrin 1
7	36.844		0.0000	0.00000	0.00000	Cyfluthrin 11
8	37.061		0.0000	0.00000	0.00000	Cyfluthrin 1V
9	37.206		0.0000	0.00000	0.00000	Cyfluthrin 111
10	37.408		0.0000	0.00000	0.00000	Cypermethrin 1
11	37.684		0.0000	0.00000	0.00000	Cypermethrin 11
12	37.838		0.0000	0.00000	0.00000	Cypermethrin 1V
13	37.939		0.0000	0.00000	0.00000	Cypermethrin 111
14	39.383		0.0000	0.00000	0.00000	Fenvalerate 1
15	39.885		0.0000	0.00000	0.00000	Fenvalerate 11
16	40.722		0.0000	0.00000	0.00000	Deltamethrin 1
17	41.237		0.0000	0.00000	0.00000	Deltamethrin 11
Totals :				0.00000		

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

Injection Date : 9/19/2018 8:55:42 PM Seq. Line : 5
Sample Name : KK61/04346-006-2 Location : Vial 5
Acq. Operator : Nuengruthai Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 2:24:57 PM by Nuengruthai
(modified after loading)



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin 1
32.377		-	-	-	2	Cyhalothrin 11
34.253		-	-	-	3	Permethrin 1
34.698		-	-	-	3	Permethrin 11
36.446		-	-	-	4	Cyfluthrin 1
36.844		-	-	-	4	Cyfluthrin 11
37.061		-	-	-	4	Cyfluthrin 1V
37.206		-	-	-	4	Cyfluthrin 111
37.408		-	-	-	5	Cypermethrin 1
37.684		-	-	-	5	Cypermethrin 11
37.838		-	-	-	5	Cypermethrin 1V
37.939		-	-	-	5	Cypermethrin 111
39.383		-	-	-	6	Fenvalerate 1
39.885		-	-	-	6	Fenvalerate 11
40.722		-	-	-	7	Deltamethrin 1
41.237		-	-	-	7	Deltamethrin 11

Totals : 0.00000

Results obtained with enhanced integrator!
Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	0.00000	0.00000	Cyhalothrin
3	G	0.00000	0.00000	Permethrin

4	G	0.00000	0.00000	Cyfluthrin
5	G	0.00000	0.00000	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

Peak #	RetTime [min]	Type	Width [min]	Area [Hz*s]	Area %	Name
1	29.315		0.0000	0.00000	0.00000	Bifenthrin
2	31.863		0.0000	0.00000	0.00000	Cyhalothrin 1
3	32.377		0.0000	0.00000	0.00000	Cyhalothrin 11
4	34.253		0.0000	0.00000	0.00000	Permethrin 1
5	34.698		0.0000	0.00000	0.00000	Permethrin 11
6	36.446		0.0000	0.00000	0.00000	Cyfluthrin 1
7	36.844		0.0000	0.00000	0.00000	Cyfluthrin 11
8	37.061		0.0000	0.00000	0.00000	Cyfluthrin 1V
9	37.206		0.0000	0.00000	0.00000	Cyfluthrin 111
10	37.408		0.0000	0.00000	0.00000	Cypermethrin 1
11	37.684		0.0000	0.00000	0.00000	Cypermethrin 11
12	37.838		0.0000	0.00000	0.00000	Cypermethrin 1V
13	37.939		0.0000	0.00000	0.00000	Cypermethrin 111
14	39.383		0.0000	0.00000	0.00000	Fenvalerate 1
15	39.885		0.0000	0.00000	0.00000	Fenvalerate 11
16	40.722		0.0000	0.00000	0.00000	Deltamethrin 1
17	41.237		0.0000	0.00000	0.00000	Deltamethrin 11
Totals :				0.00000		

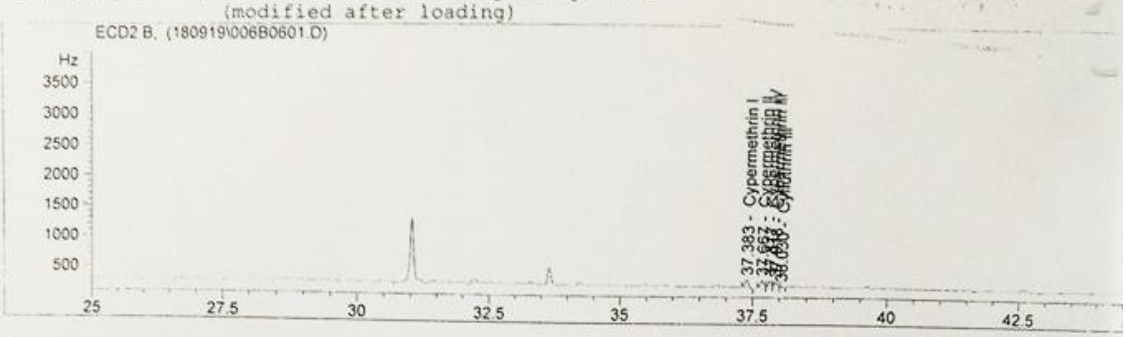
Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

```
Injection Date  : 9/19/2018 10:02:56 PM          Seq. Line :   6
Sample Name     : KK61/04346-001                 Location : Vial 6
Acq. Operator   : Nuengruthai                        Inj :   1
Acq. Instrument : Instrument 1                Inj Volume : 2 µl
Acq. Method     : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed    : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed    : 9/20/2018 2:24:57 PM by Nuengruthai
                  (modified after loading)
```



External Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      9/20/2018 9:56:35 AM
Multiplier            :      0.1800
Dilution              :      1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,
```

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin I
32.377		-	-	-	2	Cyhalothrin II
34.253		-	-	-	3	Permethrin I
34.698		-	-	-	3	Permethrin II
36.446		-	-	-	4	Cyfluthrin I
36.844		-	-	-	4	Cyfluthrin II
37.061		-	-	-	4	Cyfluthrin IV
37.383	BP	579.41357	1.07525e-5	1.12143e-3	5	Cypermethrin I
37.667	BV	470.97195	1.12450e-5	9.53297e-4	5	Cypermethrin II
37.817	VV	418.70825	1.04535e-5	7.87854e-4	5	Cypermethrin IV
37.918	VV	329.54343	1.11837e-5	6.63392e-4	5	Cypermethrin III
38.030	VBA	41.40981	0.00000	0.00000	4	Cyfluthrin III
39.383		-	-	-	6	Fenvalerate I
39.885		-	-	-	6	Fenvalerate II
40.722		-	-	-	7	Deltamethrin I
41.237		-	-	-	7	Deltamethrin II
Totals :				3.52597e-3		

```
 Results obtained with enhanced integrator!
Group summary :
```

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	0.00000	0.00000	Cyhalothrin
3	G	0.00000	0.00000	Permethrin

Sample Name: KK6

4	G	41.40981	0.00000	Cyfluthrin
5	G	1798.63721	3.52597e-3	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

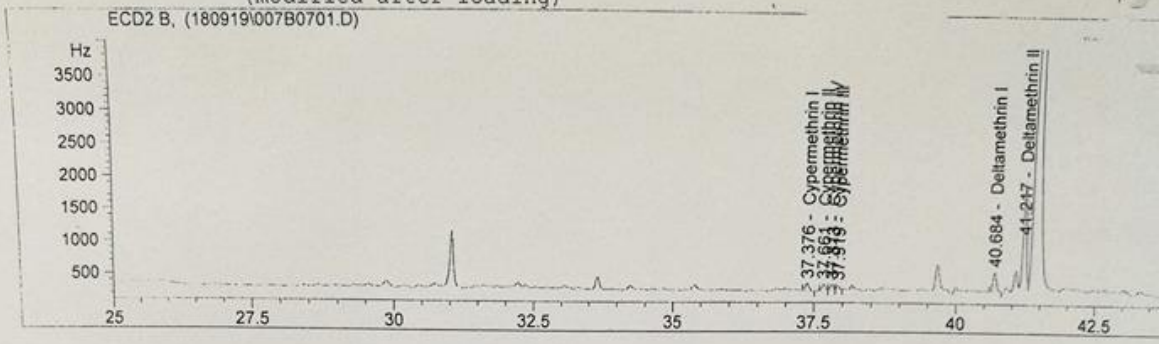
4 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Elution order of calibrated compounds may have changed
Warning : Negative results set to zero (cal. curve intercept), (Cyfluthrin 111)

==========

*** End of Report ***

Injection Date : 9/19/2018 11:10:10 PM Seq. Line : 7
Sample Name : KK61/04346-002 Location : Vial 7
Acq. Operator : Nuengruthai Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 2:26:04 PM by Nuengruthai
(modified after loading)



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin I
32.377		-	-	-	2	Cyhalothrin II
34.253		-	-	-	3	Permethrin I
34.698		-	-	-	3	Permethrin II
36.446		-	-	-	4	Cyfluthrin I
36.844		-	-	-	4	Cyfluthrin II
37.061		-	-	-	4	Cyfluthrin IV
37.206		-	-	-	4	Cyfluthrin III
37.376	BP	558.06537	1.07202e-5	1.07686e-3	5	Cypermethrin I
37.661	BV	421.81451	1.12039e-5	8.50671e-4	5	Cypermethrin II
37.813	VV	376.34082	1.03248e-5	6.99413e-4	5	Cypermethrin IV
37.919	VV	267.26013	1.10876e-5	5.33391e-4	5	Cypermethrin III
39.383		-	-	-	6	Fenvalerate I
39.885		-	-	-	6	Fenvalerate II
40.684	VP	1305.10840	1.93562e-5	4.54714e-3	7	Deltamethrin I
41.217	BV	6550.58203	1.91787e-5	2.26137e-2	7	Deltamethrin II

Totals : 3.03211e-2

Results obtained with enhanced integrator!
Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	0.00000	0.00000	Cyhalothrin
3	G	0.00000	0.00000	Permethrin

4	G	0.00000	0.00000	Cyfluthrin
5	G	1623.48083	3.16034e-3	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	7855.69043	2.71608e-2	Deltamethrin

2 Warnings or Errors :

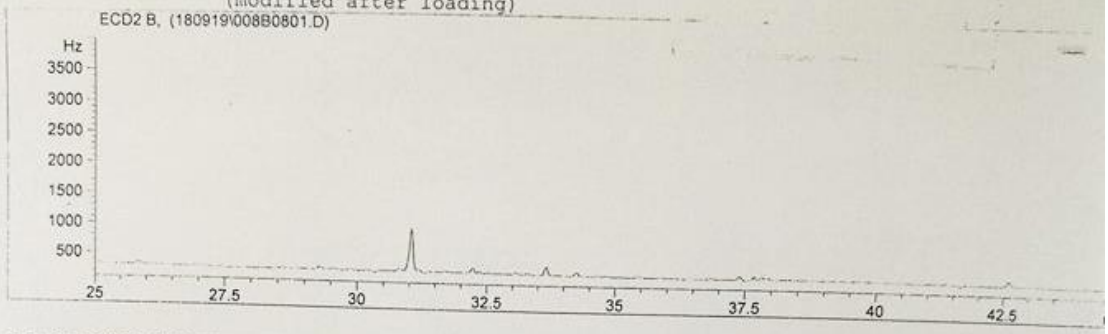
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***

Sample Name: KK6170

Injection Date : 9/20/2018 12:17:24 AM Seq. Line : 8
Sample Name : KK61/04346-003 Location : Vial 8
Acq. Operator : Nuengruthai Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 2:26:04 PM by Nuengruthai
(modified after loading)



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin I
32.377		-	-	-	2	Cyhalothrin II
34.253		-	-	-	3	Permethrin I
34.698		-	-	-	3	Permethrin II
36.446		-	-	-	4	Cyfluthrin I
36.844		-	-	-	4	Cyfluthrin II
37.061		-	-	-	4	Cyfluthrin IV
37.206		-	-	-	4	Cyfluthrin III
37.408		-	-	-	5	Cypermethrin I
37.684		-	-	-	5	Cypermethrin II
37.838		-	-	-	5	Cypermethrin IV
37.939		-	-	-	5	Cypermethrin III
39.383		-	-	-	6	Fenvalerate I
39.885		-	-	-	6	Fenvalerate II
40.722		-	-	-	7	Deltamethrin I
41.237		-	-	-	7	Deltamethrin II

Totals : 0.00000

Results obtained with enhanced integrator!
Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	0.00000	0.00000	Cyhalothrin
3	G	0.00000	0.00000	Permethrin

4	G	0.00000	0.00000	Cyfluthrin
5	G	0.00000	0.00000	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

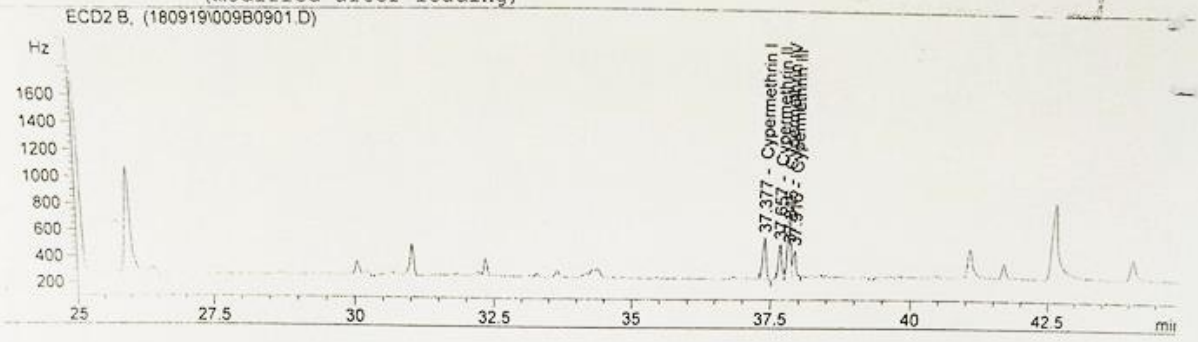
Peak #	RetTime [min]	Type	Width [min]	Area [Hz*s]	Area %	Name
1	29.315		0.0000	0.00000	0.00000	Bifenthrin
2	31.863		0.0000	0.00000	0.00000	Cyhalothrin 1
3	32.377		0.0000	0.00000	0.00000	Cyhalothrin 11
4	34.253		0.0000	0.00000	0.00000	Permethrin 1
5	34.698		0.0000	0.00000	0.00000	Permethrin 11
6	36.446		0.0000	0.00000	0.00000	Cyfluthrin 1
7	36.844		0.0000	0.00000	0.00000	Cyfluthrin 11
8	37.061		0.0000	0.00000	0.00000	Cyfluthrin 1V
9	37.206		0.0000	0.00000	0.00000	Cyfluthrin 111
10	37.408		0.0000	0.00000	0.00000	Cypermethrin 1
11	37.684		0.0000	0.00000	0.00000	Cypermethrin 11
12	37.838		0.0000	0.00000	0.00000	Cypermethrin 1V
13	37.939		0.0000	0.00000	0.00000	Cypermethrin 111
14	39.383		0.0000	0.00000	0.00000	Fenvalerate 1
15	39.885		0.0000	0.00000	0.00000	Fenvalerate 11
16	40.722		0.0000	0.00000	0.00000	Deltamethrin 1
17	41.237		0.0000	0.00000	0.00000	Deltamethrin 11
Totals :				0.00000		

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

jection Date : 9/20/2018 1:24:37 AM Seq. Line : 9
mple Name : KK61/04346-005 Location : Vial 9
q. Operator : Nuengruthai Inj 1
q. Instrument : Instrument 1 Inj Volume : 2 µl
q. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
st changed : 2/8/2018 9:00:35 AM by Nuengruthai
alysis Method : C:\HPCHEM\1\METHODS\180920.M
st changed : 9/20/2018 2:28:05 PM by Nuengruthai
(modified after loading)



External Standard Report

orted By : Signal
alib. Data Modified : 9/20/2018 9:56:35 AM
ultiplier : 0.1800
ilution : 1.0000
se Multiplier & Dilution Factor with ISTDs

ignal 1: ECD2 B,

etTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin I
32.377		-	-	-	2	Cyhalothrin II
34.253		-	-	-	3	Permethrin I
34.698		-	-	-	3	Permethrin II
36.446		-	-	-	4	Cyfluthrin I
36.844		-	-	-	4	Cyfluthrin II
37.061		-	-	-	4	Cyfluthrin IV
37.206		-	-	-	4	Cyfluthrin III
37.377	BP	1387.19519	1.12446e-5	2.80773e-3	5	Cypermethrin I
37.657	BV	975.99316	1.14279e-5	2.00764e-3	5	Cypermethrin II
37.816	VV	1948.60876	1.13513e-5	3.98146e-3	5	Cypermethrin IV
37.916	VB	705.62988	1.14034e-5	1.44838e-3	5	Cypermethrin III
39.383		-	-	-	6	Fenvalerate I
39.885		-	-	-	6	Fenvalerate II
40.722		-	-	-	7	Deltamethrin I
41.237		-	-	-	7	Deltamethrin II
Totals :				1.02452e-2		

Results obtained with enhanced integrator!
Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	0.00000	0.00000	Cyhalothrin
3	G	0.00000	0.00000	Permethrin

rument 1 9/20/2018 2:28:07 PM Nuengruthai Page 1 of 2

4	G	0.00000	0.00000	Cyfluthrin
5	G	5017.42700	1.02452e-2	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

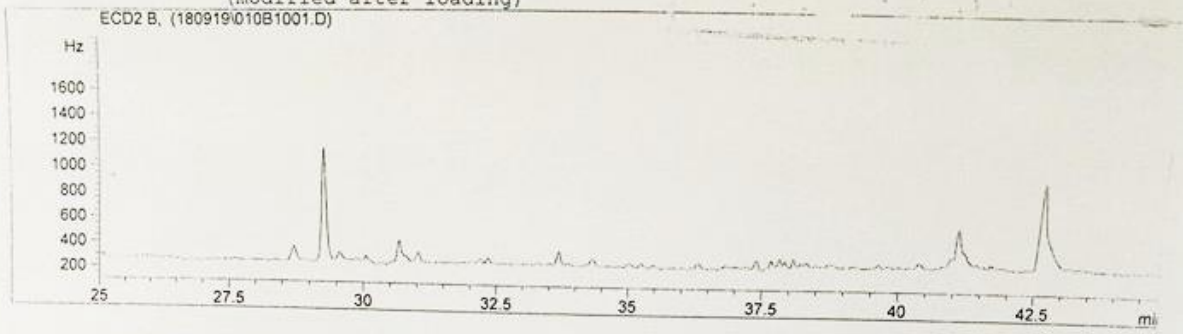
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

File C:\HPCHEM\1\DATA\180919\010B1001.D Sample Name: KK61/0434

Injection Date : 9/20/2018 2:31:50 AM Seq. Line : 10
Sample Name : KK61/04346-007 Location : Vial 10
Acq. Operator : Nuengruthai Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 2:28:05 PM by Nuengruthai
(modified after loading)



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin 1
32.377		-	-	-	2	Cyhalothrin 11
34.253		-	-	-	3	Permethrin 1
34.698		-	-	-	3	Permethrin 11
36.446		-	-	-	4	Cyfluthrin 1
36.844		-	-	-	4	Cyfluthrin 11
37.061		-	-	-	4	Cyfluthrin 1V
37.206		-	-	-	4	Cyfluthrin 111
37.408		-	-	-	5	Cypermethrin 1
37.684		-	-	-	5	Cypermethrin 11
37.838		-	-	-	5	Cypermethrin 1V
37.939		-	-	-	5	Cypermethrin 111
39.383		-	-	-	6	Fenvalerate 1
39.885		-	-	-	6	Fenvalerate 11
40.722		-	-	-	7	Deltamethrin 1
41.237		-	-	-	7	Deltamethrin 11

Totals : 0.00000

Results obtained with enhanced integrator!

Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	0.00000	0.00000	Cyhalothrin
3	G	0.00000	0.00000	Permethrin

4	G	0.00000	0.00000	Cyfluthrin
5	G	0.00000	0.00000	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

Peak #	RetTime [min]	Type	Width [min]	Area [Hz*s]	Area %	Name
1	29.315		0.0000	0.00000	0.00000	Bifenthrin
2	31.863		0.0000	0.00000	0.00000	Cyhalothrin 1
3	32.377		0.0000	0.00000	0.00000	Cyhalothrin 11
4	34.253		0.0000	0.00000	0.00000	Permethrin 1
5	34.698		0.0000	0.00000	0.00000	Permethrin 11
6	36.446		0.0000	0.00000	0.00000	Cyfluthrin 1
7	36.844		0.0000	0.00000	0.00000	Cyfluthrin 11
8	37.061		0.0000	0.00000	0.00000	Cyfluthrin 1V
9	37.206		0.0000	0.00000	0.00000	Cyfluthrin 111
10	37.408		0.0000	0.00000	0.00000	Cypermethrin 1
11	37.684		0.0000	0.00000	0.00000	Cypermethrin 11
12	37.838		0.0000	0.00000	0.00000	Cypermethrin 1V
13	37.939		0.0000	0.00000	0.00000	Cypermethrin 111
14	39.383		0.0000	0.00000	0.00000	Fenvalerate 1
15	39.885		0.0000	0.00000	0.00000	Fenvalerate 11
16	40.722		0.0000	0.00000	0.00000	Deltamethrin 1
17	41.237		0.0000	0.00000	0.00000	Deltamethrin 11
Totals :				0.00000		

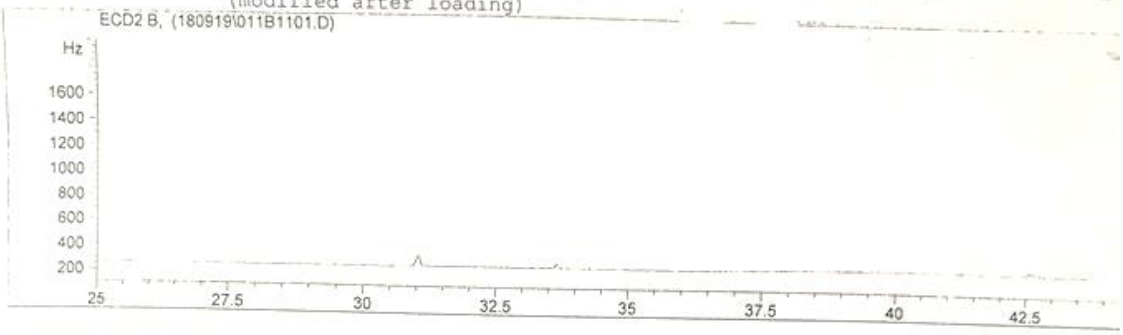
Results obtained with enhanced integrator!
Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

Injection Date : 9/20/2018 3:39:05 AM
Sample Name : KK61/04346-010
Acq. Operator : Nuengruthai
Acq. Instrument : Instrument 1
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 2:28:05 PM by Nuengruthai
(modified after loading)

Seq. Line : 11
Location : Vial 11
Inj : 1
Inj Volume : 2 µl



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin 1
32.377		-	-	-	2	Cyhalothrin 11
34.253		-	-	-	3	Permethrin 1
34.698		-	-	-	3	Permethrin 11
36.446		-	-	-	4	Cyfluthrin 1
36.844		-	-	-	4	Cyfluthrin 11
37.061		-	-	-	4	Cyfluthrin 1V
37.206		-	-	-	4	Cyfluthrin 111
37.408		-	-	-	5	Cypermethrin 1
37.684		-	-	-	5	Cypermethrin 11
37.838		-	-	-	5	Cypermethrin 1V
37.939		-	-	-	5	Cypermethrin 111
39.383		-	-	-	6	Fenvalerate 1
39.885		-	-	-	6	Fenvalerate 11
40.722		-	-	-	7	Deltamethrin 1
41.237		-	-	-	7	Deltamethrin 11
Totals :				0.00000		

Results obtained with enhanced integrator!
Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
	G	0.00000	0.00000	Cyhalothrin
	G	0.00000	0.00000	Permethrin

Sample Name: KK6

4	G	0.00000	0.00000	Cyfluthrin
5	G	0.00000	0.00000	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	0.00000	0.00000	Deltamethrin

2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

Area Percent Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

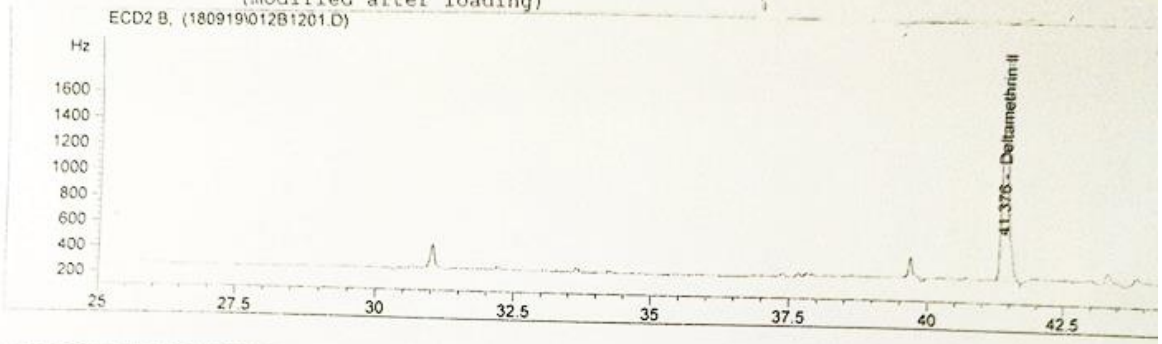
Peak #	RetTime [min]	Type	Width [min]	Area [Hz*s]	Area %	Name
1	29.315		0.0000	0.00000	0.00000	Bifenthrin
2	31.863		0.0000	0.00000	0.00000	Cyhalothrin 1
3	32.377		0.0000	0.00000	0.00000	Cyhalothrin 11
4	34.253		0.0000	0.00000	0.00000	Permethrin 1
5	34.698		0.0000	0.00000	0.00000	Permethrin 11
6	36.446		0.0000	0.00000	0.00000	Cyfluthrin 1
7	36.844		0.0000	0.00000	0.00000	Cyfluthrin 11
8	37.061		0.0000	0.00000	0.00000	Cyfluthrin 1V
9	37.206		0.0000	0.00000	0.00000	Cyfluthrin 111
10	37.408		0.0000	0.00000	0.00000	Cypermethrin 1
11	37.684		0.0000	0.00000	0.00000	Cypermethrin 11
12	37.838		0.0000	0.00000	0.00000	Cypermethrin 1V
13	37.939		0.0000	0.00000	0.00000	Cypermethrin 111
14	39.383		0.0000	0.00000	0.00000	Fenvalerate 1
15	39.885		0.0000	0.00000	0.00000	Fenvalerate 11
16	40.722		0.0000	0.00000	0.00000	Deltamethrin 1
17	41.237		0.0000	0.00000	0.00000	Deltamethrin 11
Totals :				0.00000		

Results obtained with enhanced integrator!
2 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

*** End of Report ***

Injection Date : 9/20/2018 4:46:17 AM Seq. Line : 12
Sample Name : KK61/04346-011 Location : Vial 12
Acq. Operator : Nuengruthai Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 2:28:05 PM by Nuengruthai
(modified after loading)



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.315		-	-	-		Bifenthrin
31.863		-	-	-	2	Cyhalothrin I
32.377		-	-	-	2	Cyhalothrin II
34.253		-	-	-	3	Permethrin I
34.698		-	-	-	3	Permethrin II
36.446		-	-	-	4	Cyfluthrin I
36.844		-	-	-	4	Cyfluthrin II
37.061		-	-	-	4	Cyfluthrin IV
37.206		-	-	-	4	Cyfluthrin III
37.408		-	-	-	5	Cypermethrin I
37.684		-	-	-	5	Cypermethrin II
37.838		-	-	-	5	Cypermethrin IV
37.939		-	-	-	5	Cypermethrin III
39.383		-	-	-	6	Fenvalerate I
39.885		-	-	-	6	Fenvalerate II
40.722		-	-	-	7	Deltamethrin I
41.376	BP	1.61245e4	1.92934e-5	5.59971e-2	7	Deltamethrin II
Totals :				5.59971e-2		

Results obtained with enhanced integrator!
Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	0.00000	0.00000	Cyhalothrin

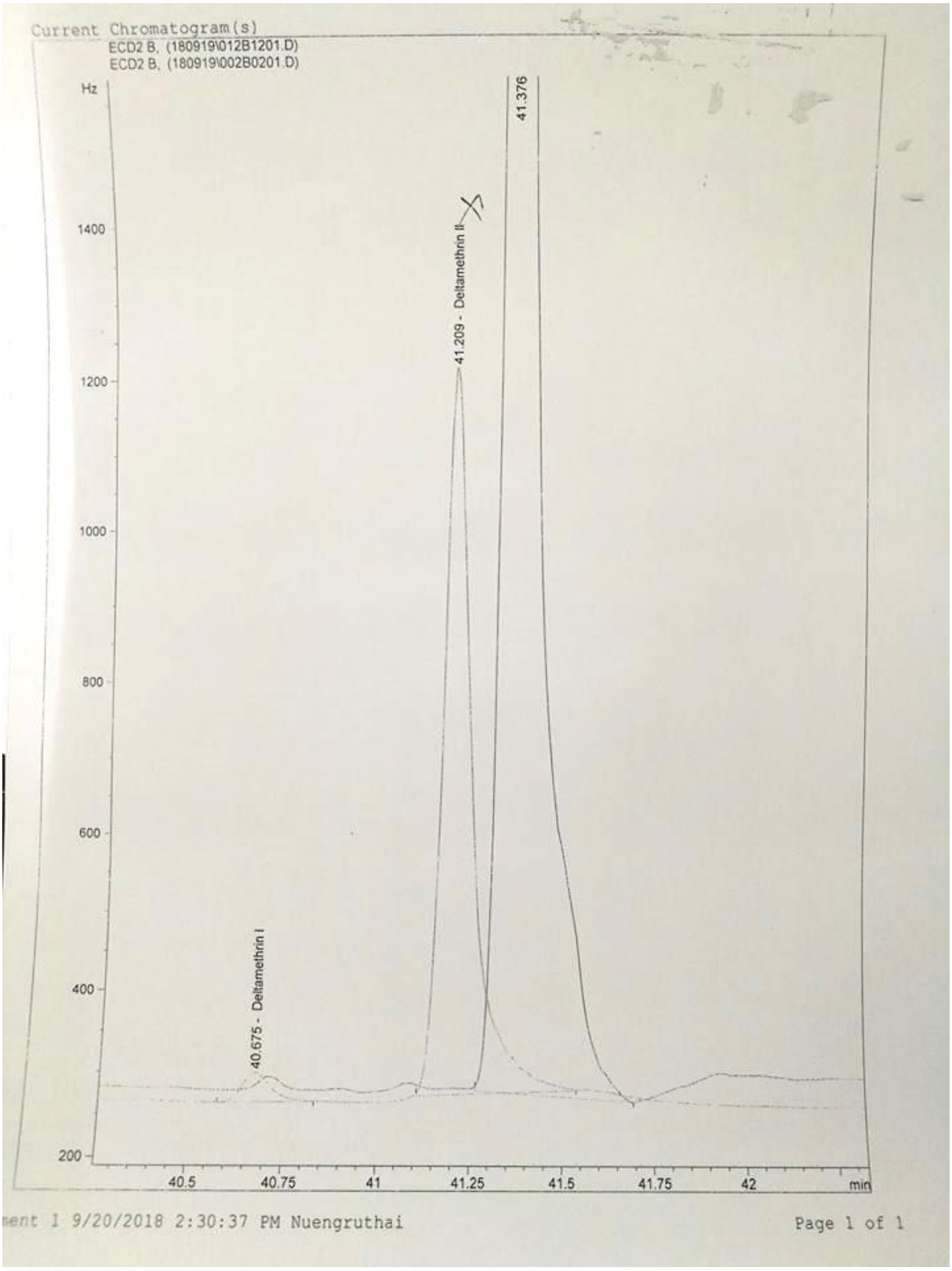
4	G	0.00000	0.00000	Cyfluthrin
5	G	0.00000	0.00000	Cypermethrin
6	G	0.00000	0.00000	Fenvalerate
7	G	1.61245e4	5.59971e-2	Deltamethrin

2 Warnings or Errors :

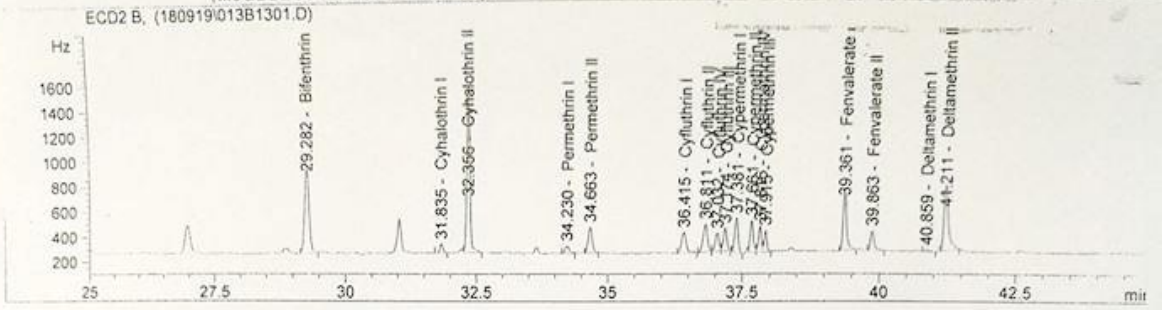
Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found

==========

*** End of Report ***


Current Chromatogram(s)
ECD2 B, (180919\012B1201.D)
ECD2 B, (180919\002B0201.D)
Hz
1400
1200
1000
800
600
400
200
40.675 - Deltamethrin I
41.209 - Deltamethrin II
41.376
40.5
40.75
41
41.25
41.5
41.75
42
min
ent 1 9/20/2018 2:30:37 PM Nuengruthai
Page 1 of 1

njection Date : 9/20/2018 5:53:28 AM
Seq. Line : 13
Sample Name : Sp 0.01
Location : Vial 13
Acq. Operator : Nuengruthai
Inj : 1
Acq. Instrument : Instrument 1
Inj Volume : 2 µl
Acq. Method : C:\HPCHEM\1\METHODS\OC_PY_21.M
Last changed : 2/8/2018 9:00:35 AM by Nuengruthai
Analysis Method : C:\HPCHEM\1\METHODS\180920.M
Last changed : 9/20/2018 10:12:22 AM by Nuengruthai
(modified after loading)



External Standard Report

Sorted By : Signal
Calib. Data Modified : 9/20/2018 9:56:35 AM
Multiplier : 0.1800
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: ECD2 B,

RetTime [min]	Type	Area [Hz*s]	Amt/Area	Amount [mg/kg]	Grp	Name
29.282	BV	4031.27832	1.02779e-5	7.45792e-3		Bifenthrin
31.835	BB	281.35422	9.39051e-6	4.75571e-4	2	Cyhalothrin 1
32.356	VB	5233.45166	9.48742e-6	8.93736e-3	2	Cyhalothrin 11
34.230	PB	300.02295	2.95631e-5	1.59653e-3	3	Permethrin 1
34.663	PB	1064.12817	3.05711e-5	5.85568e-3	3	Permethrin 11
36.415	PP	1033.85596	1.05655e-5	1.96619e-3	4	Cyfluthrin 1
36.811	BV	1235.02393	1.06728e-5	2.37262e-3	4	Cyfluthrin 11
37.032	VV	718.82831	1.09070e-5	1.41125e-3	4	Cyfluthrin 1V
37.174	VBA	813.85663	1.07822e-5	1.57952e-3	4	Cyfluthrin 111
37.381	BP	1176.76172	1.11815e-5	2.36843e-3	5	Cypermethrin 1
37.661	BV	1000.72620	1.14321e-5	2.05928e-3	5	Cypermethrin 11
37.816	VV	760.90778	1.09678e-5	1.50218e-3	5	Cypermethrin 1V
37.915	VP	600.52643	1.13697e-5	1.22900e-3	5	Cypermethrin 111
39.361	PP	2102.26733	1.43086e-5	5.41450e-3	6	Fenvalerate 1
39.863	BB	757.36395	1.43020e-5	1.94973e-3	6	Fenvalerate 11
40.859	VP	81.99086	1.86662e-5	2.75482e-4	7	Deltamethrin 1
41.211	BBA	3064.25317	1.89589e-5	1.04571e-2	7	Deltamethrin 11
Totals :				5.69083e-2		

Results obtained with enhanced integrator!
Group summary :

Group ID	Use	Area [Hz*s]	Amount [mg/kg]	Group Name
2	G	5514.80588	9.41293e-3	Cyhalothrin
3	G	1364.15112	7.45221e-3	Permethrin

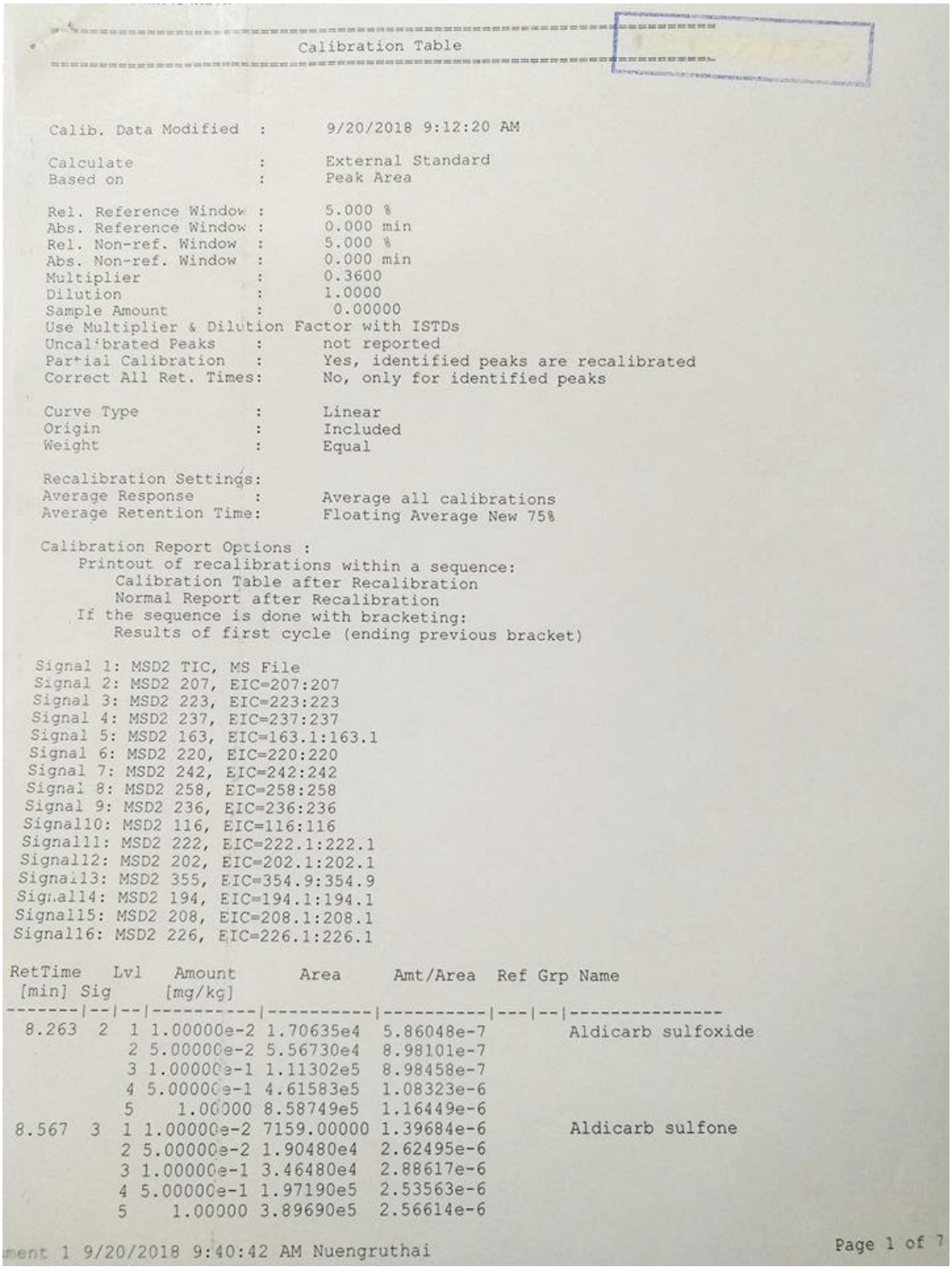
4	G	3801.56482	7.32958e-3	Cyfluthrin
5	G	3538.92212	7.15889e-3	Cypermethrin
6	G	2859.63129	7.36423e-3	Fenvalerate
7	G	3146.24403	1.07326e-2	Deltamethrin

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

==========

*** End of Report ***



Calibration Table

Calib. Data Modified : 9/20/2018 9:12:20 AM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Multiplier : 0.3600
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: MSD2 TIC, MS File
Signal 2: MSD2 207, EIC=207:207
Signal 3: MSD2 223, EIC=223:223
Signal 4: MSD2 237, EIC=237:237
Signal 5: MSD2 163, EIC=163.1:163.1
Signal 6: MSD2 220, EIC=220:220
Signal 7: MSD2 242, EIC=242:242
Signal 8: MSD2 258, EIC=258:258
Signal 9: MSD2 236, EIC=236:236
Signal10: MSD2 116, EIC=116:116
Signal11: MSD2 222, EIC=222.1:222.1
Signal12: MSD2 202, EIC=202.1:202.1
Signal13: MSD2 355, EIC=354.9:354.9
Signal14: MSD2 194, EIC=194.1:194.1
Signal15: MSD2 208, EIC=208.1:208.1
Signal16: MSD2 226, EIC=226.1:226.1

RetTime [min]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref	Grp	Name
8.263	2	1	1.00000e-2	1.70635e4	5.86048e-7			Aldicarb sulfoxide
		2	5.00000e-2	5.56730e4	8.98101e-7			
		3	1.00000e-1	1.11302e5	8.98458e-7			
		4	5.00000e-1	4.61583e5	1.08323e-6			
		5	1.00000	8.58749e5	1.16449e-6			
8.567	3	1	1.00000e-2	7159.00000	1.39684e-6			Aldicarb sulfone
		2	5.00000e-2	1.90480e4	2.62495e-6			
		3	1.00000e-1	3.46480e4	2.88617e-6			
		4	5.00000e-1	1.97190e5	2.53563e-6			
		5	1.00000	3.89690e5	2.56614e-6			

ment 1 9/20/2018 9:40:42 AM Nuengruthai

Method C:\HPCHEM\1\METHODS\CB180919.M

RetTime [min]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref	Grp	Name
8.650	4	1	1.00000e-2	5559.00000	1.79888e-6			Oxamyl
		2	5.00000e-2	3.32300e4	1.50466e-6			
		3	1.00000e-1	6.75000e4	1.48148e-6			
		4	5.00000e-1	3.32400e5	1.50421e-6			
		5	1.00000	6.83230e5	1.46364e-6			
9.006	5	1	1.00000e-2	5503.00000	1.81719e-6			Methomyl
		2	5.00000e-2	2.88560e4	1.73274e-6			
		3	1.00000e-1	5.88630e4	1.69886e-6			
		4	5.00000e-1	2.84820e5	1.75549e-6			
		5	1.00000	5.62420e5	1.77803e-6			
9.883	7	1	1.00000e-2	1.01340e4	9.86777e-7			Methiocarb sulfoxide
		2	5.00000e-2	5.39100e4	9.27472e-7			
		3	1.00000e-1	1.08890e5	9.18358e-7			
		4	5.00000e-1	5.15920e5	9.69143e-7			
		5	1.00000	1.02290e6	9.77613e-7			
10.177	6	1	1.00000e-2	1.23787e4	8.07838e-7			Carbofuran-3-OH
		2	5.00000e-2	3.28225e4	1.52335e-6			
		3	1.00000e-1	6.90697e4	1.44781e-6			
		4	5.00000e-1	3.02614e5	1.65227e-6			
		5	1.00000	5.73855e5	1.74260e-6			
10.305	8	1	1.00000e-2	5515.00000	1.81324e-6			Methiocarb sulfone
		2	5.00000e-2	2.66140e4	1.87871e-6			
		3	1.00000e-1	5.49000e4	1.82149e-6			
		4	5.00000e-1	2.53550e5	1.97200e-6			
		5	1.00000	5.01910e5	1.99239e-6			
11.184	9	1	1.00000e-2	7926.00000	1.26167e-6			Carbofuran-3-keto
		2	5.00000e-2	3.77000e4	1.32626e-6			
		3	1.00000e-1	7.16000e4	1.39665e-6			
		4	5.00000e-1	3.90120e5	1.28166e-6			
		5	1.00000	7.98580e5	1.25222e-6			
11.458	10	1	1.00000e-2	1874.00000	5.33618e-6			Aldicarb
		2	5.00000e-2	9285.00000	5.38503e-6			
		3	1.00000e-1	1.89790e4	5.26898e-6			
		4	5.00000e-1	9.42300e4	5.30617e-6			
		5	1.00000	1.82970e5	5.46538e-6			
12.475	11	1	1.00000e-2	3.92610e4	2.54706e-7			Carbofuran
		2	5.00000e-2	1.01360e5	4.93291e-7			
		3	1.00000e-1	2.18020e5	4.58674e-7			
		4	5.00000e-1	1.06558e6	4.69228e-7			
		5	1.00000	2.15700e6	4.63607e-7			
12.972	12	1	1.00000e-2	7440.00000	1.34409e-6			Carbaryl
		2	5.00000e-2	3.87740e4	1.28952e-6			
		3	1.00000e-1	7.37800e4	1.35538e-6			
		4	5.00000e-1	3.91280e5	1.27786e-6			
		5	1.00000	7.80730e5	1.28085e-6			
13.109	13	1	1.00000e-2	3179.00000	3.14564e-6			Thiodicarb
		2	5.00000e-2	1.67710e4	2.98134e-6			
		3	1.00000e-1	3.35800e4	2.97796e-6			
		4	5.00000e-1	1.54370e5	3.23897e-6			
		5	1.00000	3.22480e5	3.10097e-6			
14.124	14	1	1.00000e-2	1.49030e4	6.71006e-7			Isoprocarb
		2	5.00000e-2	7.33200e4	6.81942e-7			
		3	1.00000e-1	1.41210e5	7.08165e-7			
		4	5.00000e-1	7.25880e5	6.88819e-7			
		5	1.00000	1.42060e6	7.03928e-7			
15.791	15	1	1.00000e-2	1.62950e4	6.13685e-7			Fenobucarb
		2	5.00000e-2	8.89900e4	5.61861e-7			
		3	1.00000e-1	1.61960e5	6.17436e-7			
		4	5.00000e-1	8.39230e5	5.95784e-7			
		5	1.00000	1.65510e6	6.04193e-7			
16.178	16	1	1.00000e-2	1.73640e4	5.75904e-7			Methiocarb
		2	5.00000e-2	4.49170e4	1.11316e-6			
		3	1.00000e-1	9.80100e4	1.02030e-6			
		4	5.00000e-1	4.30330e5	1.16190e-6			
		5	1.00000	8.69870e5	1.14960e-6			

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RetTime [min]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref Grp	Name
16.480	15	1	1.00000e-2	1.65610e4	6.03828e-7		Promecarb
		2	5.00000e-2	6.47700e4	7.71962e-7		
		3	1.00000e-1	1.20590e5	8.29256e-7		
		4	5.00000e-1	6.13120e5	8.15501e-7		
		5	1.00000	1.20890e6	8.27198e-7		

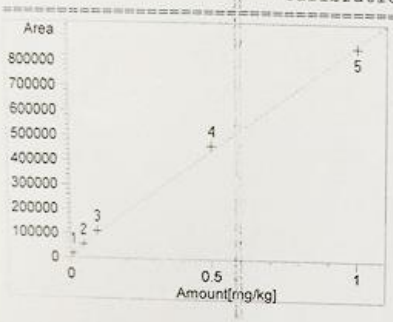
1 Warnings or Errors :

Warning : Overlapping peak time windows at 15.791 min, signal 15

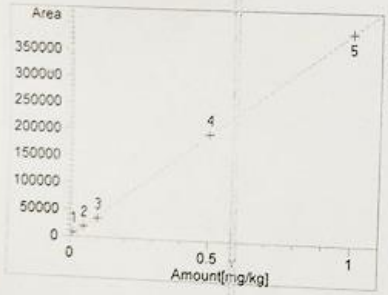
Peak Sum Table

No Entries in table

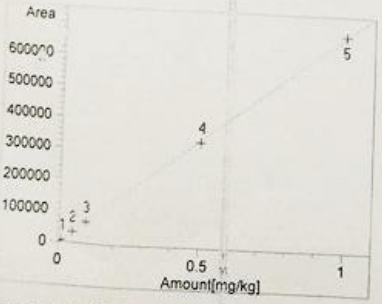
Calibration Curves



Aldicarb sulfoxide at exp. RT: 8.263
MSD2 207, EIC=207:207
Correlation: 0.99926
Residual Std. Dev.: 14784.81902
Formula: y = mx + b
m: 855703.85490
b: 13983.50639
x: Amount[mg/kg]
y: Area



Aldicarb sulfone at exp. RT: 8.567
MSD2 223, EIC=223:223
Correlation: 0.99986
Residual Std. Dev.: 2938.96123
Formula: y = mx + b
m: 390332.49793
b: -36.15776
x: Amount[mg/kg]
y: Area



Oxamyl at exp. RT: 8.650
MSD2 237, EIC=237:237
Correlation: 0.99992
Residual Std. Dev.: 3898.47908
Formula: y = mx + b
m: 681534.64730
b: -1571.41909
x: Amount[mg/kg]
y: Area

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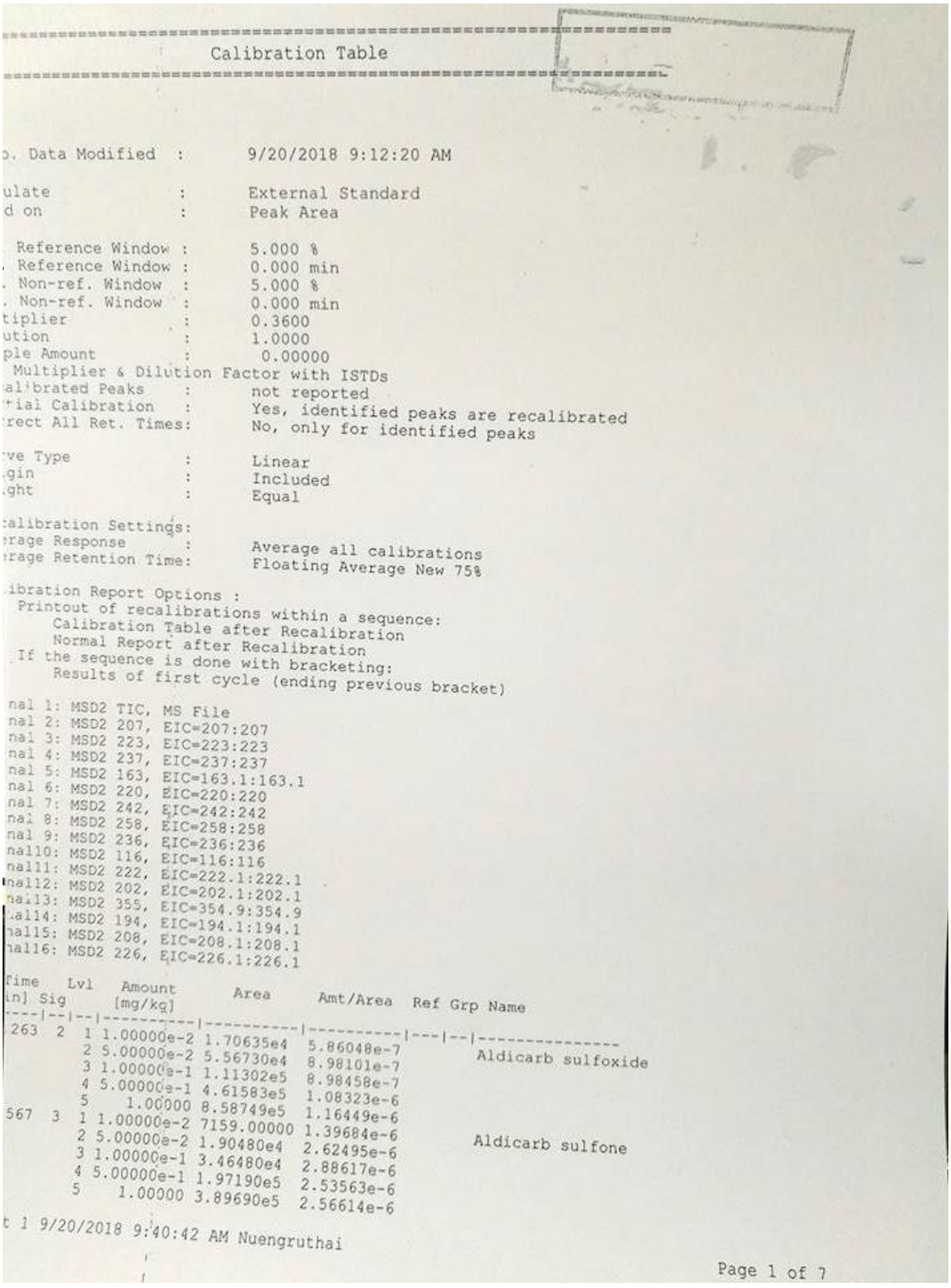

Calibration Table

```
. Data Modified  :      9/20/2018 9:12:20 AM

ulate            :      External Standard
d on             :      Peak Area

 Reference Window :      5.000 %
 Reference Window :      0.000 min
. Non-ref. Window :      5.000 %
. Non-ref. Window :      0.000 min
tiplier          :      0.3600
ution            :      1.0000
ple Amount       :       0.00000
 Multiplier & Dilution Factor with ISTDs
al brated Peaks  :      not reported
rial Calibration :      Yes, identified peaks are recalibrated
rect All Ret. Times:    No, only for identified peaks

ve Type          :      Linear
gin              :      Included
ght              :      Equal

alibration Settings:
rage Response    :      Average all calibrations
rage Retention Time:    Floating Average New 75%

ibration Report Options :
 Printout of recalibrations within a sequence:
     Calibration Table after Recalibration
     Normal Report after Recalibration
 If the sequence is done with bracketing:
     Results of first cycle (ending previous bracket)

nal 1: MSD2 TIC, MS File
nal 2: MSD2 207, EIC=207:207
nal 3: MSD2 223, EIC=223:223
nal 4: MSD2 237, EIC=237:237
nal 5: MSD2 163, EIC=163.1:163.1
nal 6: MSD2 220, EIC=220:220
nal 7: MSD2 242, EIC=242:242
nal 8: MSD2 258, EIC=258:258
nal 9: MSD2 236, EIC=236:236
nal10: MSD2 116, EIC=116:116
nal11: MSD2 222, EIC=222.1:222.1
nal12: MSD2 202, EIC=202.1:202.1
nal13: MSD2 355, EIC=354.9:354.9
nal14: MSD2 194, EIC=194.1:194.1
nal15: MSD2 208, EIC=208.1:208.1
nal16: MSD2 226, EIC=226.1:226.1
```

Time [n]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref	Grp	Name
263	2	1	1.00000e-2	1.70635e4	5.86048e-7			
		2	5.00000e-2	5.56730e4	8.98101e-7			Aldicarb sulfoxide
		3	1.00000e-1	1.11302e5	8.98458e-7			
		4	5.00000e-1	4.61583e5	1.08323e-6			
		5	1.00000	8.58749e5	1.16449e-6			
567	3	1	1.00000e-2	7159.00000	1.39684e-6			
		2	5.00000e-2	1.90480e4	2.62495e-6			Aldicarb sulfone
		3	1.00000e-1	3.46480e4	2.88617e-6			
		4	5.00000e-1	1.97190e5	2.53563e-6			
		5	1.00000	3.89690e5	2.56614e-6			

```
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```

RetTime [min]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref Grp	Name
8.650	4	1	1.00000e-2	5559.00000	1.79888e-6		Oxamyl
		2	5.00000e-2	3.32300e4	1.50466e-6		
		3	1.00000e-1	6.75000e4	1.48148e-6		
		4	5.00000e-1	3.32400e5	1.50421e-6		
		5	1.00000	6.83230e5	1.46364e-6		
9.006	5	1	1.00000e-2	5503.00000	1.81719e-6		Methomyl
		2	5.00000e-2	2.88560e4	1.73274e-6		
		3	1.00000e-1	5.88630e4	1.69886e-6		
		4	5.00000e-1	2.84820e5	1.75549e-6		
		5	1.00000	5.62420e5	1.77803e-6		
9.883	7	1	1.00000e-2	1.01340e4	9.86777e-7		Methiocarb sulfoxide
		2	5.00000e-2	5.39100e4	9.27472e-7		
		3	1.00000e-1	1.08890e5	9.18358e-7		
		4	5.00000e-1	5.15920e5	9.69143e-7		
		5	1.00000	1.02290e6	9.77613e-7		
10.177	6	1	1.00000e-2	1.23787e4	8.07838e-7		Carbofuran-3-OH
		2	5.00000e-2	3.28225e4	1.52335e-6		
		3	1.00000e-1	6.90697e4	1.44781e-6		
		4	5.00000e-1	3.02614e5	1.65227e-6		
		5	1.00000	5.73855e5	1.74260e-6		
10.305	8	1	1.00000e-2	5515.00000	1.81324e-6		Methiocarb sulfone
		2	5.00000e-2	2.66140e4	1.87871e-6		
		3	1.00000e-1	5.49000e4	1.82149e-6		
		4	5.00000e-1	2.53550e5	1.97200e-6		
		5	1.00000	5.01910e5	1.99239e-6		
11.184	9	1	1.00000e-2	7926.00000	1.26167e-6		Carbofuran-3-keto
		2	5.00000e-2	3.77000e4	1.32626e-6		
		3	1.00000e-1	7.16000e4	1.39665e-6		
		4	5.00000e-1	3.90120e5	1.28166e-6		
		5	1.00000	7.98580e5	1.25222e-6		
1.458	10	1	1.00000e-2	1874.00000	5.33618e-6		Aldicarb
		2	5.00000e-2	9285.00000	5.38503e-6		
		3	1.00000e-1	1.89790e4	5.26898e-6		
		4	5.00000e-1	9.42300e4	5.30617e-6		
		5	1.00000	1.82970e5	5.46538e-6		
2.475	11	1	1.00000e-2	3.92610e4	2.54706e-7		Carbofuran
		2	5.00000e-2	1.01360e5	4.93291e-7		
		3	1.00000e-1	2.18020e5	4.58674e-7		
		4	5.00000e-1	1.06558e6	4.69228e-7		
		5	1.00000	2.15700e6	4.63607e-7		
2.972	12	1	1.00000e-2	7440.00000	1.34409e-6		Carbaryl
		2	5.00000e-2	3.87740e4	1.28952e-6		
		3	1.00000e-1	7.37800e4	1.35538e-6		
		4	5.00000e-1	3.91280e5	1.27786e-6		
		5	1.00000	7.80730e5	1.28085e-6		
3.109	13	1	1.00000e-2	3179.00000	3.14564e-6		Thiodicarb
		2	5.00000e-2	1.67710e4	2.98134e-6		
		3	1.00000e-1	3.35800e4	2.97796e-6		
		4	5.00000e-1	1.54370e5	3.23897e-6		
		5	1.00000	3.22480e5	3.10097e-6		
4.124	14	1	1.00000e-2	1.49030e4	6.71006e-7		Isoprocarb
		2	5.00000e-2	7.33200e4	6.81942e-7		
		3	1.00000e-1	1.41210e5	7.08165e-7		
		4	5.00000e-1	7.25880e5	6.88819e-7		
		5	1.00000	1.42060e6	7.03928e-7		
5.791	15	1	1.00000e-2	1.62950e4	6.13685e-7		Fenobucarb
		2	5.00000e-2	8.89900e4	5.61861e-7		
		3	1.00000e-1	1.61960e5	6.17436e-7		
		4	5.00000e-1	8.39230e5	5.95784e-7		
		5	1.00000	1.65510e6	6.04193e-7		
6.178	16	1	1.00000e-2	1.73640e4	5.75904e-7		Methiocarb
		2	5.00000e-2	4.49170e4	1.11316e-6		
		3	1.00000e-1	9.80100e4	1.02030e-6		
		4	5.00000e-1	4.30330e5	1.16190e-6		
		5	1.00000	8.69870e5	1.14960e-6		

etTime [min]	Sig	Lvl	Amount [mg/kg]	Area	Amt/Area	Ref Grp	Name
16.480	15	1	1.00000e-2	1.65610e4	6.03828e-7		Promecarb
		2	5.00000e-2	6.47700e4	7.71962e-7		
		3	1.00000e-1	1.20590e5	8.29256e-7		
		4	5.00000e-1	6.13120e5	8.15501e-7		
		5	1.00000	1.20890e6	8.27198e-7		

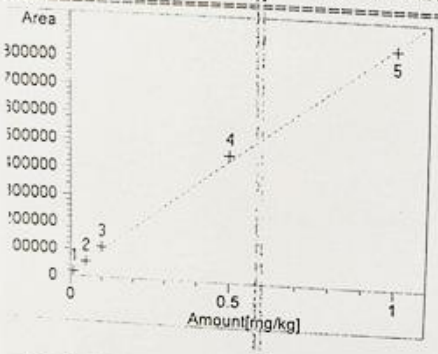
l Warnings or Errors :

Warning : Overlapping peak time windows at 15.791 min, signal 15

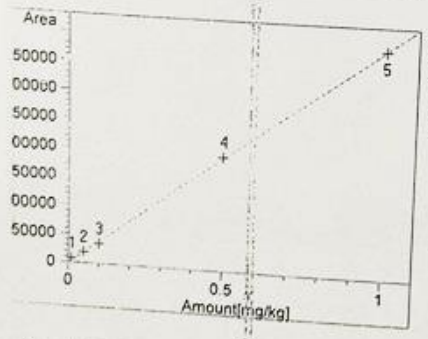
Peak Sum Table

No Entries in table

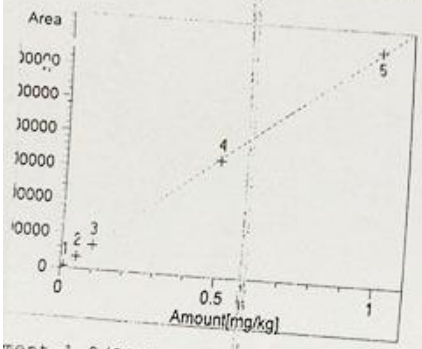
Calibration Curves



Aldicarb sulfoxide at exp. RT: 8.263
MSD2 207, EIC=207:207
Correlation: 0.99926
Residual Std. Dev.: 14784.81902
Formula: y = mx + b
m: 855703.85490
b: 13983.50639
x: Amount[mg/kg]
y: Area



Aldicarb sulfone at exp. RT: 8.567
MSD2 223, EIC=223:223
Correlation: 0.99986
Residual Std. Dev.: 2938.96123
Formula: y = mx + b
m: 390332.49793
b: -36.15776
x: Amount[mg/kg]
y: Area



Oxamyl at exp. RT: 8.650
MSD2 237, EIC=237:237
Correlation: 0.99992
Residual Std. Dev.: 3898.47908
Formula: y = mx + b
m: 681534.64730
b: -1571.41909
x: Amount[mg/kg]
y: Area

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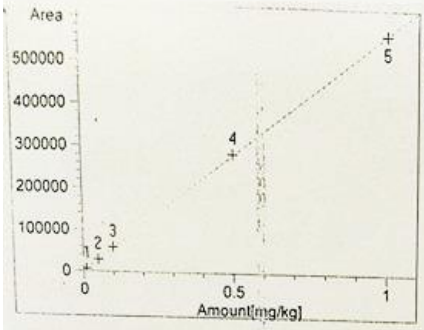
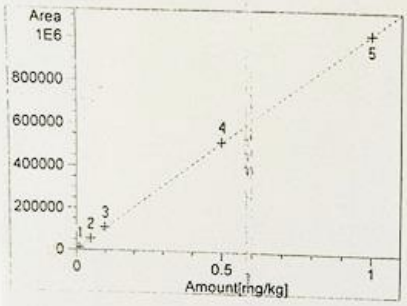
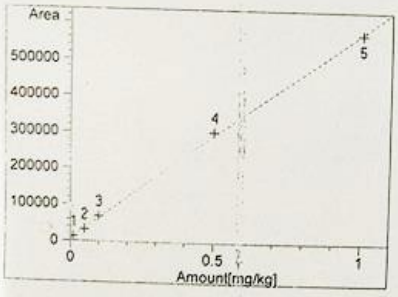


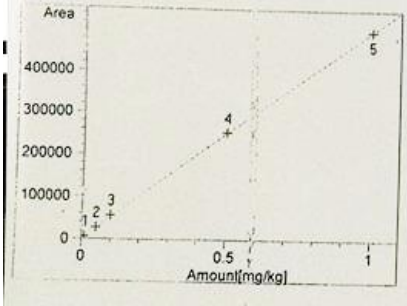
Methomyl at exp. RT: 9.006
MSD2 163, EIC=163.1:163.1
Correlation: 0.99998
Residual Std. Dev.: 1774.38579
Formula: y = mx + b
m: 562680.05394
b: 1068.85174
x: Amount[mg/kg]
y: Area



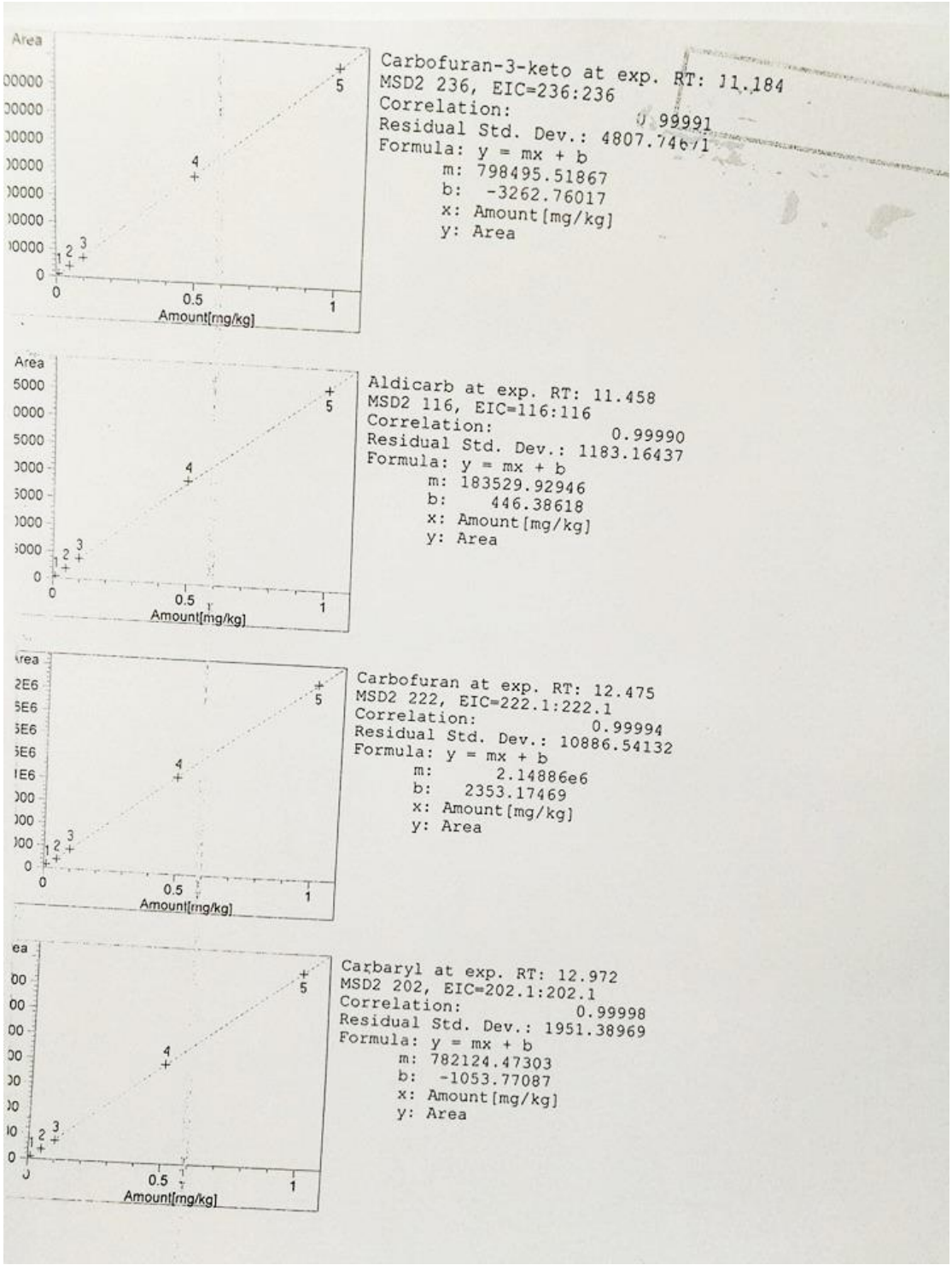
Methiocarb sulfoxide at exp. RT: 9.883
MSD2 242, EIC=242:242
Correlation: 0.99998
Residual Std. Dev.: 3122.26779
Formula: y = mx + b
m: 1.02194e6
b: 2554.87676
x: Amount[mg/kg]
y: Area



Carbofuran-3-OH at exp. RT: 10.177
MSD2 220, EIC=220:220
Correlation: 0.99962
Residual Std. Dev.: 7058.50603
Formula: y = mx + b
m: 572276.75006
b: 6793.40872
x: Amount[mg/kg]
y: Area



Methiocarb sulfone at exp. RT: 10.305
MSD2 258, EIC=258:258
Correlation: 0.99996
Residual Std. Dev.: 2020.34494
Formula: y = mx + b
m: 501002.77178
b: 1804.06647
x: Amount[mg/kg]
y: Area


Area
Amount[mg/kg]
Carbofuran-3-keto at exp. RT: 11.184
MSD2 236, EIC=236:236
Correlation: 0.99991
Residual Std. Dev.: 4807.74671
Formula: y = mx + b
m: 798495.51867
b: -3262.76017
x: Amount[mg/kg]
y: Area
Aldicarb at exp. RT: 11.458
MSD2 116, EIC=116:116
Correlation: 0.99990
Residual Std. Dev.: 1183.16437
Formula: y = mx + b
m: 183529.92946
b: 446.38618
x: Amount[mg/kg]
y: Area
Carbofuran at exp. RT: 12.475
MSD2 222, EIC=222.1:222.1
Correlation: 0.99994
Residual Std. Dev.: 10886.54132
Formula: y = mx + b
m: 2.14886e6
b: 2353.17469
x: Amount[mg/kg]
y: Area
Carbaryl at exp. RT: 12.972
MSD2 202, EIC=202.1:202.1
Correlation: 0.99998
Residual Std. Dev.: 1951.38969
Formula: y = mx + b
m: 782124.47303
b: -1053.77087
x: Amount[mg/kg]
y: Area

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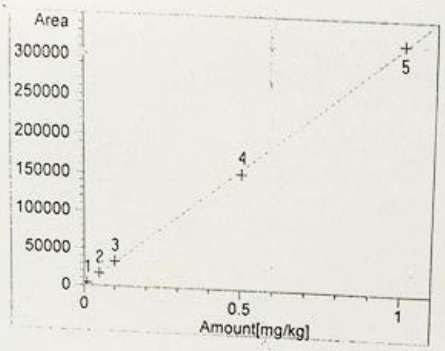
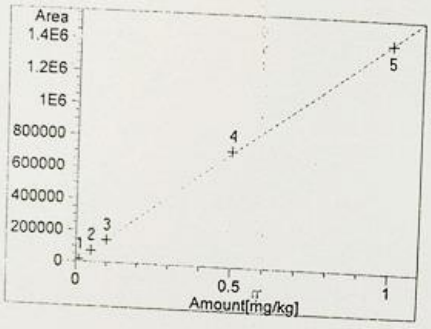
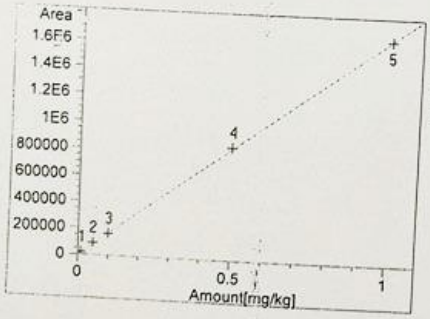


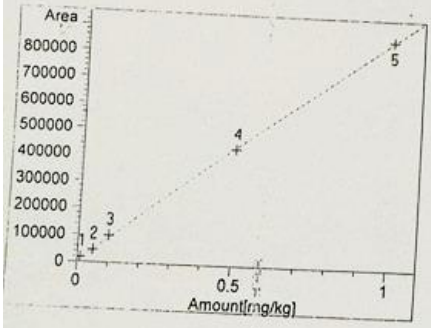
Thiodicarb at exp. RT: 13.109
MSD2 355, EIC=354.9:354.9
Correlation: 0.99975
Residual Std. Dev.: 3194.40253
Formula: y = mx + b
m: 320109.80083
b: -167.04490
x: Amount[mg/kg]
y: Area



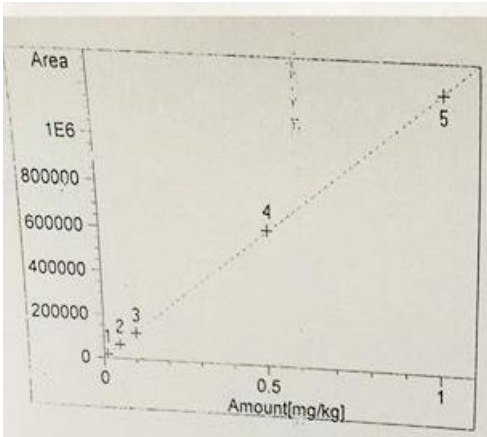
Isoprocarb at exp. RT: 14.124
MSD2 194, EIC=194.1:194.1
Correlation: 0.99994
Residual Std. Dev.: 6823.21413
Formula: y = mx + b
m: 1.42424e6
b: 1945.54855
x: Amount[mg/kg]
y: Area



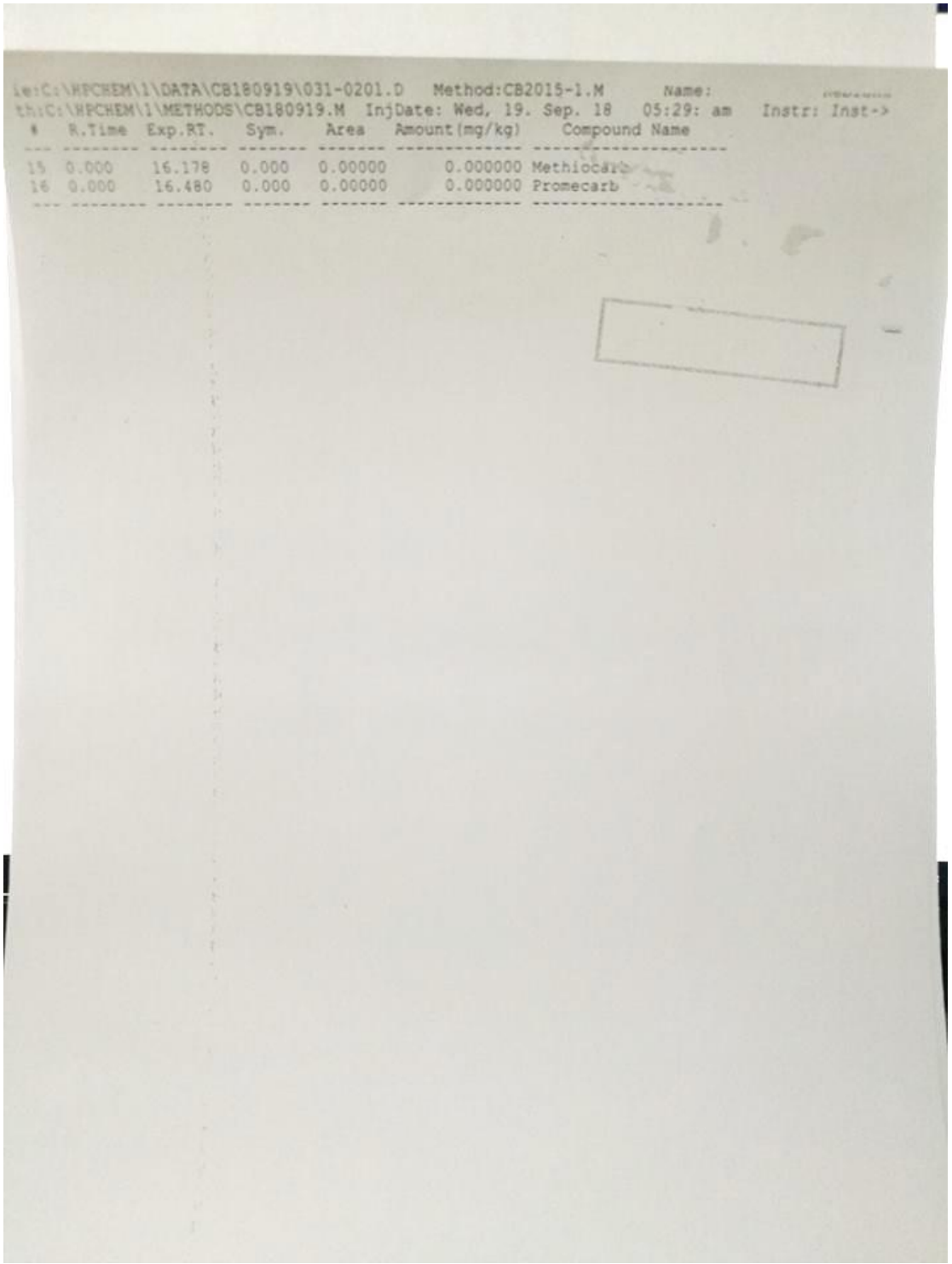
Fenobucarb at exp. RT: 15.791
MSD2 208, EIC=208.1:208.1
Correlation: 0.99997
Residual Std. Dev.: 6130.62916
Formula: y = mx + b
m: 1.65745e6
b: 1700.34606
x: Amount[mg/kg]
y: Area



Methiocarb at exp. RT: 16.178
MSD2 226, EIC=226.1:226.1
Correlation: 0.99989
Residual Std. Dev.: 5814.79713
Formula: y = mx + b
m: 862887.52697
b: 4682.95087
x: Amount[mg/kg]
y: Area



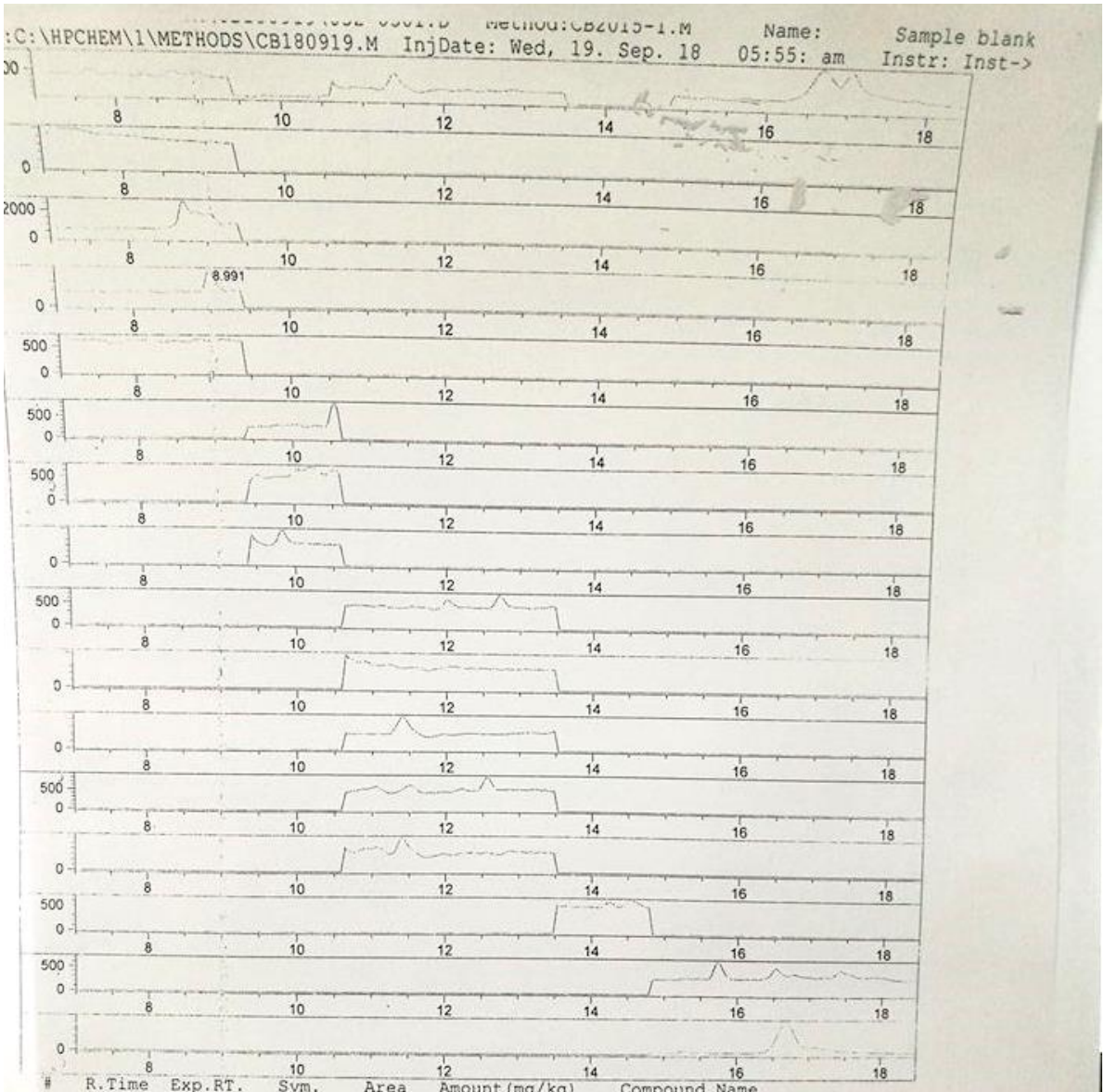
Promecarb at exp. RT: 16.480
MSD2 208, EIC=208.1:208.1
Correlation: 0.99997
Residual Std. Dev.: 4025.03772
Formula: y = mx + b
m: 1.20867e6
b: 2924.38672
x: Amount[mg/kg]
y: Area



File:C:\HPCHEM\1\DATA\CB180919\031-0201.D Method:CB2015-1.M Name:

Path:C:\HPCHEM\1\METHODS\CB180919.M InjDate: Wed, 19. Sep. 18 05:29: am Instr: Inst->

#	R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
15	0.000	16.178	0.000	0.00000	0.000000	Methiocarb
16	0.000	16.480	0.000	0.00000	0.000000	Promecarb



#	R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
1	0.000	8.263	0.000	0.00000	0.000000	Aldicarb sulfoxide
2	0.000	8.567	0.000	0.00000	0.000000	Aldicarb sulfone
3	0.000	8.650	0.000	0.00000	0.000000	Oxamyl
4	0.000	9.006	0.000	0.00000	0.000000	Methomyl
5	0.000	9.883	0.000	0.00000	0.000000	Methiocarb sulfoxide
6	0.000	10.177	0.000	0.00000	0.000000	Carbofuran-3-OH
7	0.000	10.305	0.000	0.00000	0.000000	Methiocarb sulfone
8	0.000	11.184	0.000	0.00000	0.000000	Carbofuran-3-keto
9	0.000	11.458	0.000	0.00000	0.000000	Aldicarb
10	0.000	12.475	0.000	0.00000	0.000000	Carbofuran
11	0.000	12.972	0.000	0.00000	0.000000	Carbaryl
12	0.000	13.109	0.000	0.00000	0.000000	Thiodicarb
13	0.000	14.124	0.000	0.00000	0.000000	Isoprocarb
14	0.000	15.791	0.000	0.00000	0.000000	Fenobucarb

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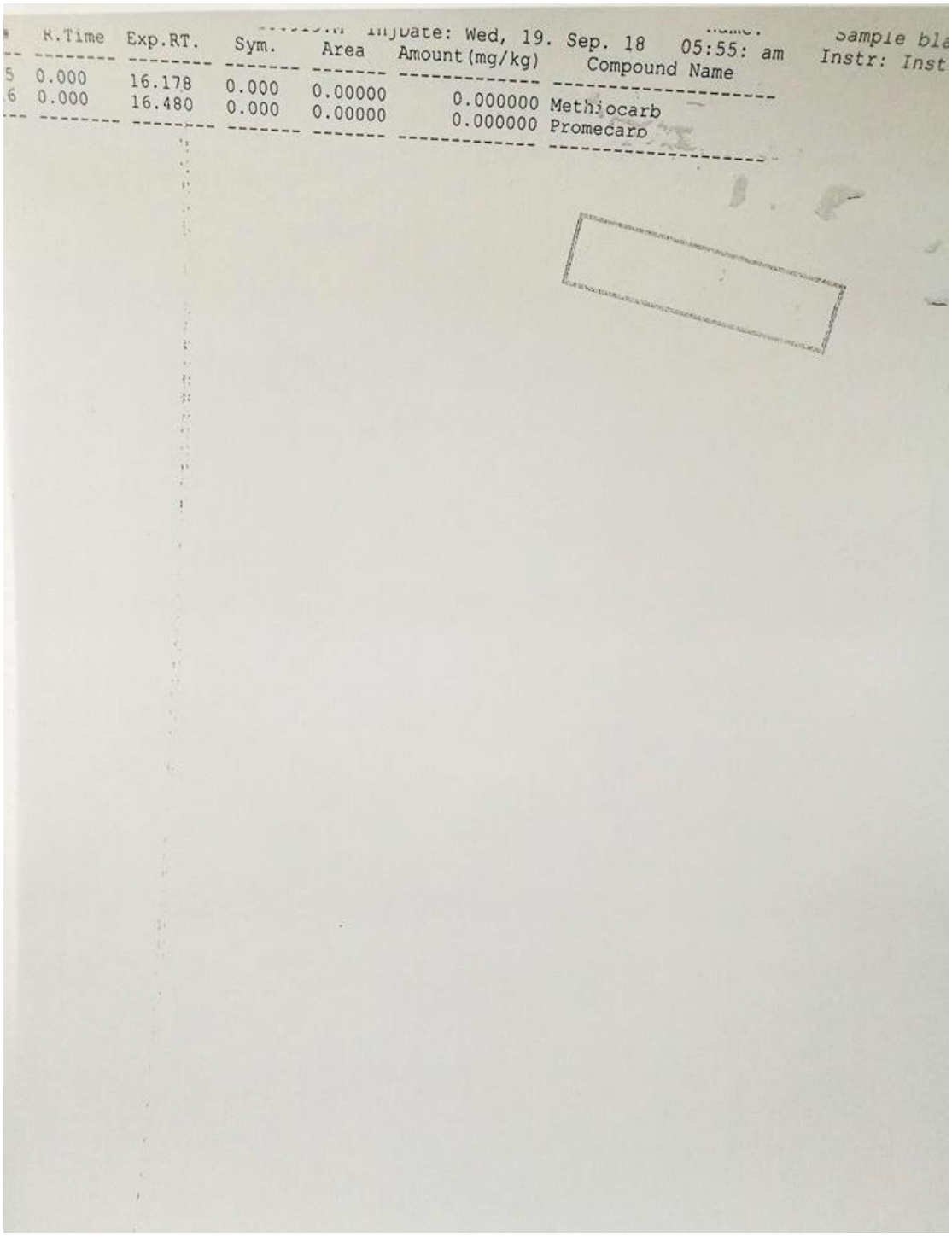
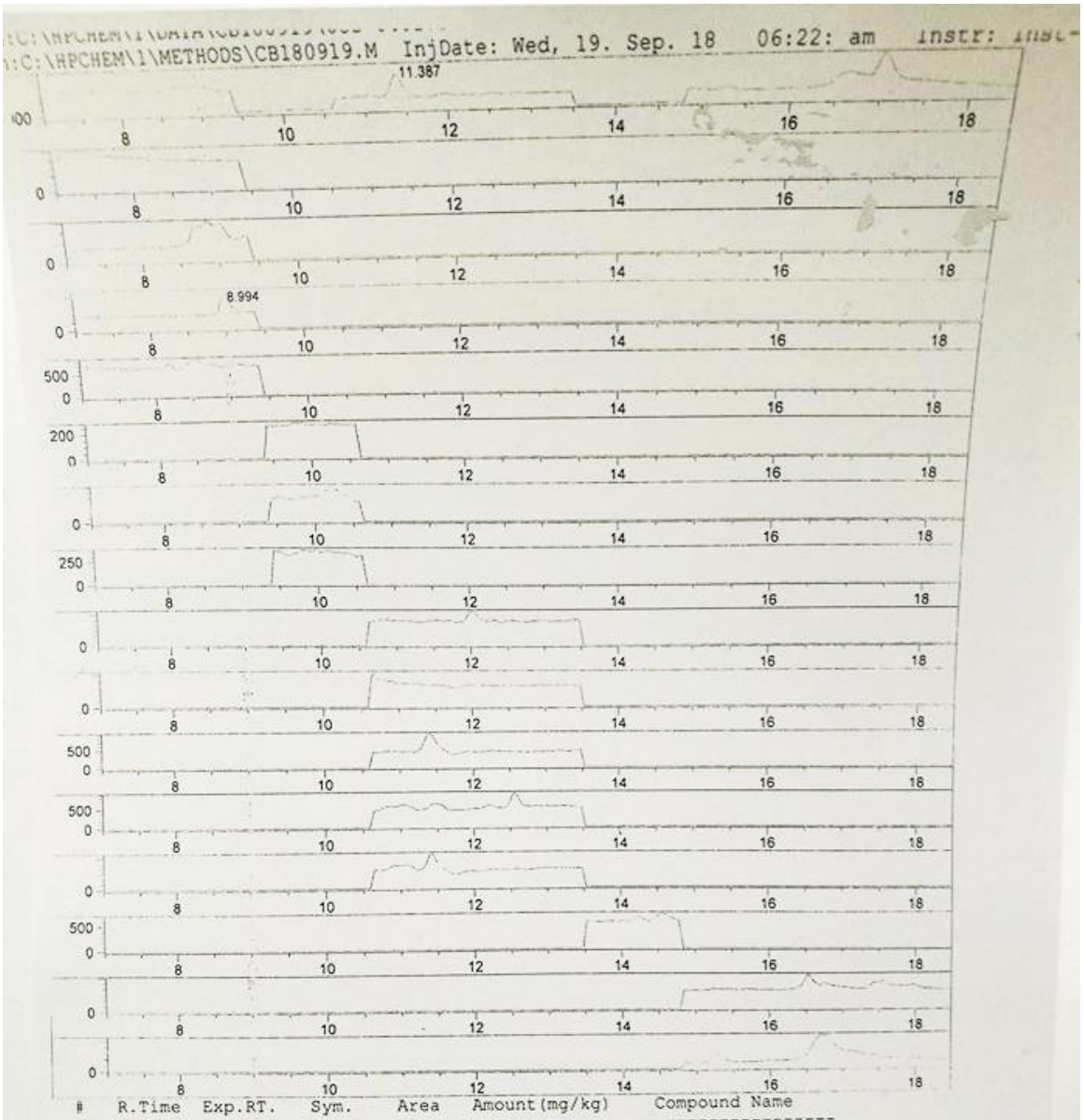
lier:0.36 Dilution:1 ReportDate:Thu, 20. Sep. 18 09:38 am By:Nuengrut->Page 1 of 2



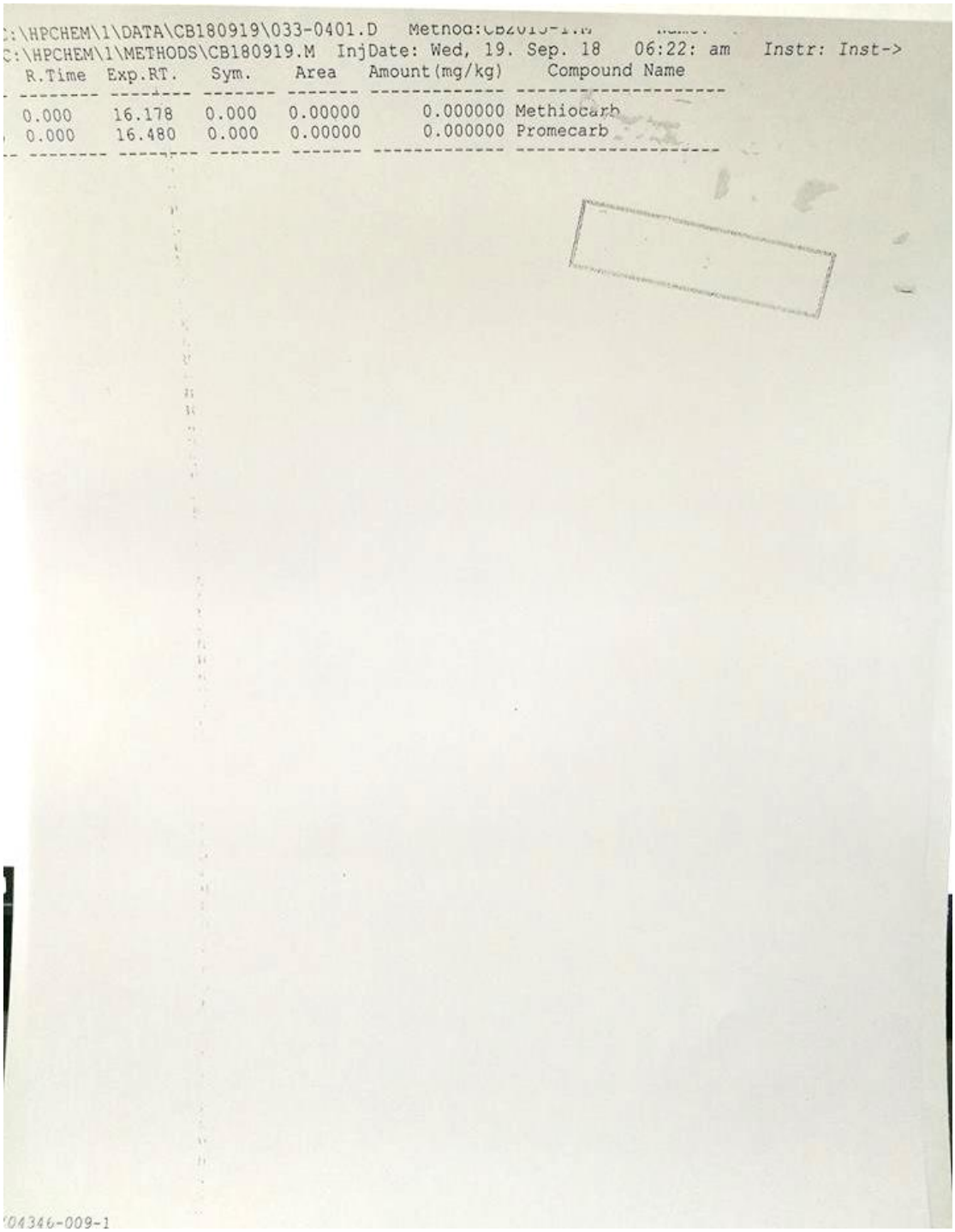
Injdate: Wed, 19. Sep. 18 05:55: am Sample bla
Instr: Inst

#	R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
5	0.000	16.178	0.000	0.00000	0.000000	Methiocarb
6	0.000	16.480	0.000	0.00000	0.000000	Promecarb



#	R.Time	Exp.RT.	Sym.	Area	Amount (mg/kg)	Compound Name
1	0.000	8.263	0.000	0.00000	0.000000	Aldicarb sulfoxide
2	0.000	8.567	0.000	0.00000	0.000000	Aldicarb sulfone
3	0.000	8.650	0.000	0.00000	0.000000	Oxamyl
4	0.000	9.006	0.000	0.00000	0.000000	Methomyl
5	0.000	9.883	0.000	0.00000	0.000000	Methiocarb sulfoxide
6	0.000	10.177	0.000	0.00000	0.000000	Carbofuran-3-OH
7	0.000	10.305	0.000	0.00000	0.000000	Methiocarb sulfone
8	0.000	11.184	0.000	0.00000	0.000000	Carbofuran-3-keto
9	0.000	11.458	0.000	0.00000	0.000000	Aldicarb
10	0.000	12.475	0.000	0.00000	0.000000	Carbofuran
11	0.000	12.972	0.000	0.00000	0.000000	Carbaryl
12	0.000	13.109	0.000	0.00000	0.000000	Thiodicarb
13	0.000	14.124	0.000	0.00000	0.000000	Isoprocarb
14	0.000	15.791	0.000	0.00000	0.000000	Fenobucarb

04346-009-1
plier:0.36 Dilution:1 ReportDate:Thu, 20. Sep. 18 09:38 am By:Nuengrut->Page 1 of 2



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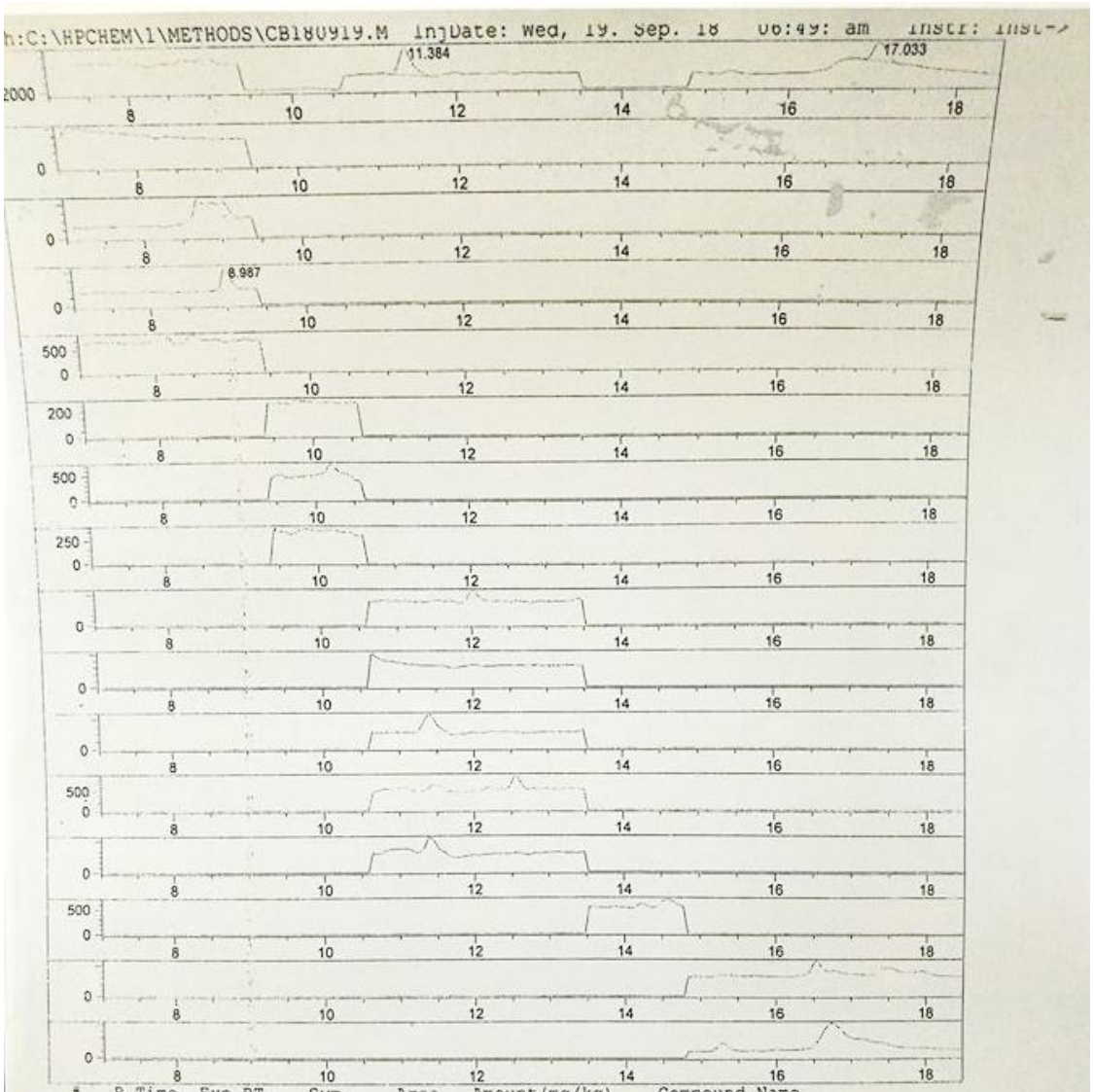
C:\HPCHEM\1\METHODS\CB180919.M InjDate: Wed, 19. Sep. 18 06:22: am Instr: Inst->

R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
0.000	16.178	0.000	0.00000	0.000000	Methiocarb
0.000	16.480	0.000	0.00000	0.000000	Promecarb

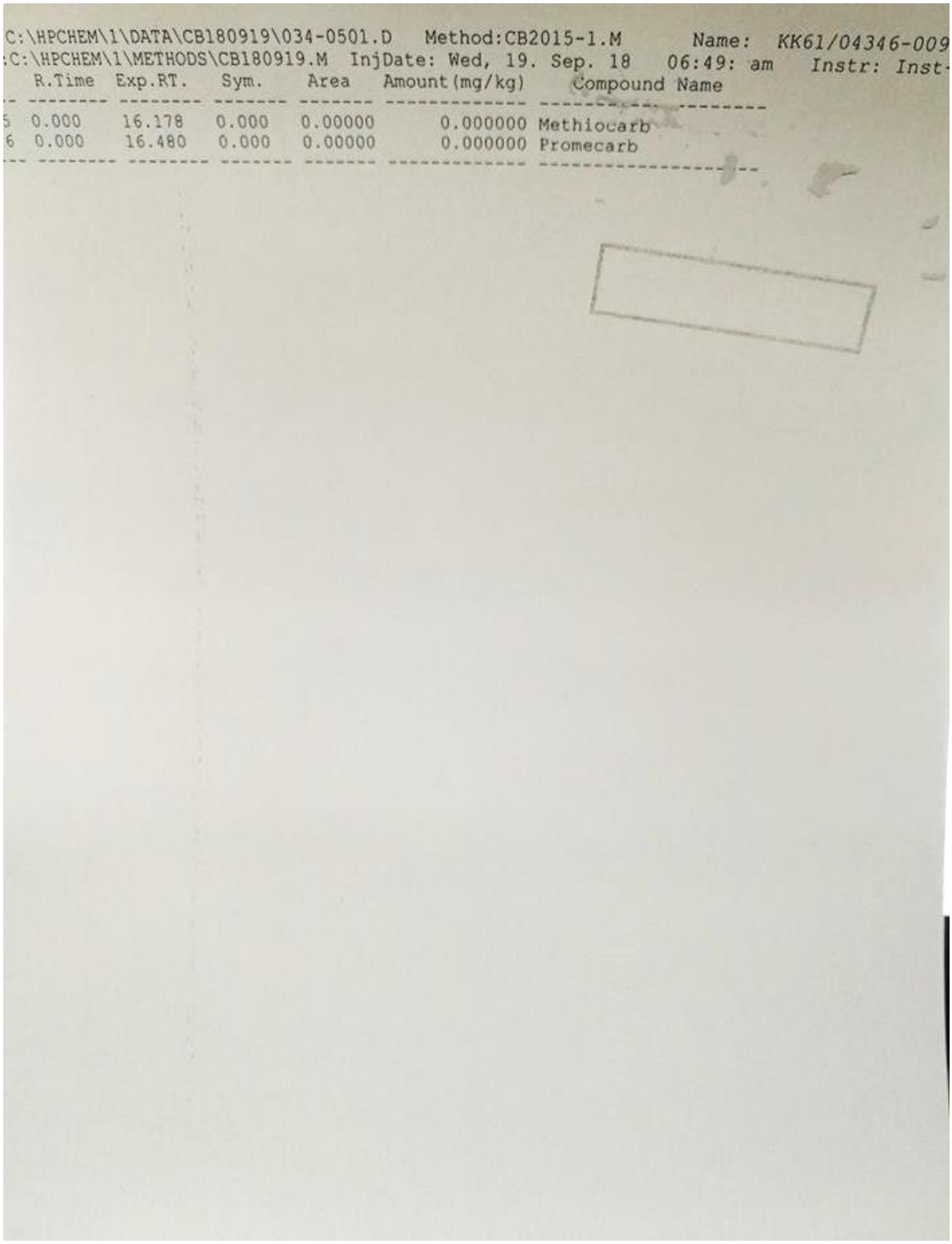
04346-009-1



#	R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
1	0.000	8.263	0.000	0.00000	0.000000	Aldicarb sulfoxide
2	0.000	8.567	0.000	0.00000	0.000000	Aldicarb sulfone
3	0.000	8.650	0.000	0.00000	0.000000	Oxamyl
4	0.000	9.006	0.000	0.00000	0.000000	Methomyl
5	0.000	9.883	0.000	0.00000	0.000000	Methiocarb sulfoxide
6	0.000	10.177	0.000	0.00000	0.000000	Carbofuran-3-OH
7	0.000	10.305	0.000	0.00000	0.000000	Methiocarb sulfone
8	0.000	11.184	0.000	0.00000	0.000000	Carbofuran-3-keto
9	0.000	11.458	0.000	0.00000	0.000000	Aldicarb
10	0.000	12.475	0.000	0.00000	0.000000	Carbofuran
11	0.000	12.972	0.000	0.00000	0.000000	Carbaryl
12	0.000	13.109	0.000	0.00000	0.000000	Thiodicarb
13	0.000	14.124	0.000	0.00000	0.000000	Isoprocarb
14	0.000	15.791	0.000	0.00000	0.000000	Fenobucarb

'04?46-009-2

plier:0.36 Dilution:1 ReportDate:Thu, 20. Sep. 18 09:39 am By:Nuengrut->Page 1 of 2



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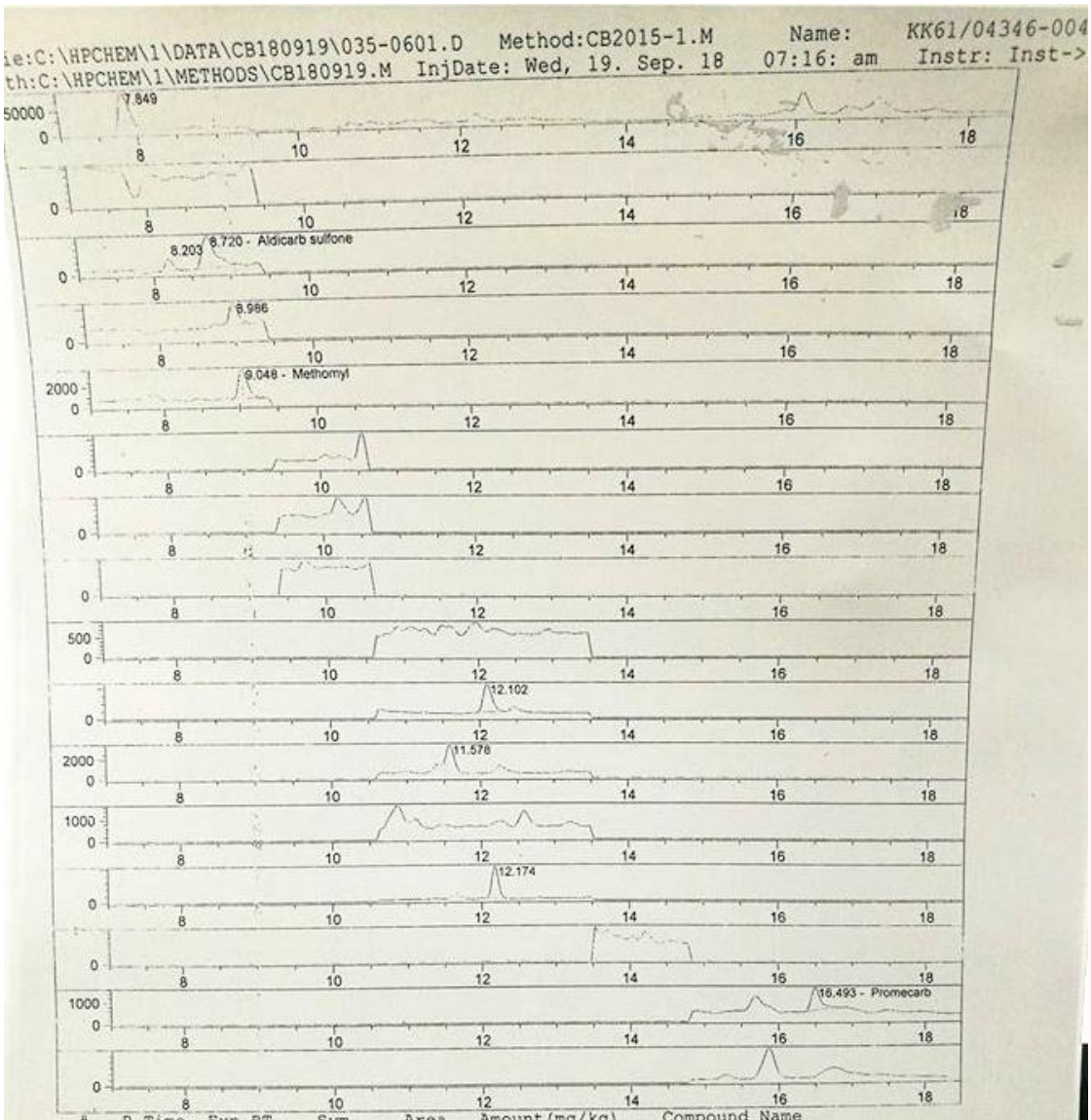
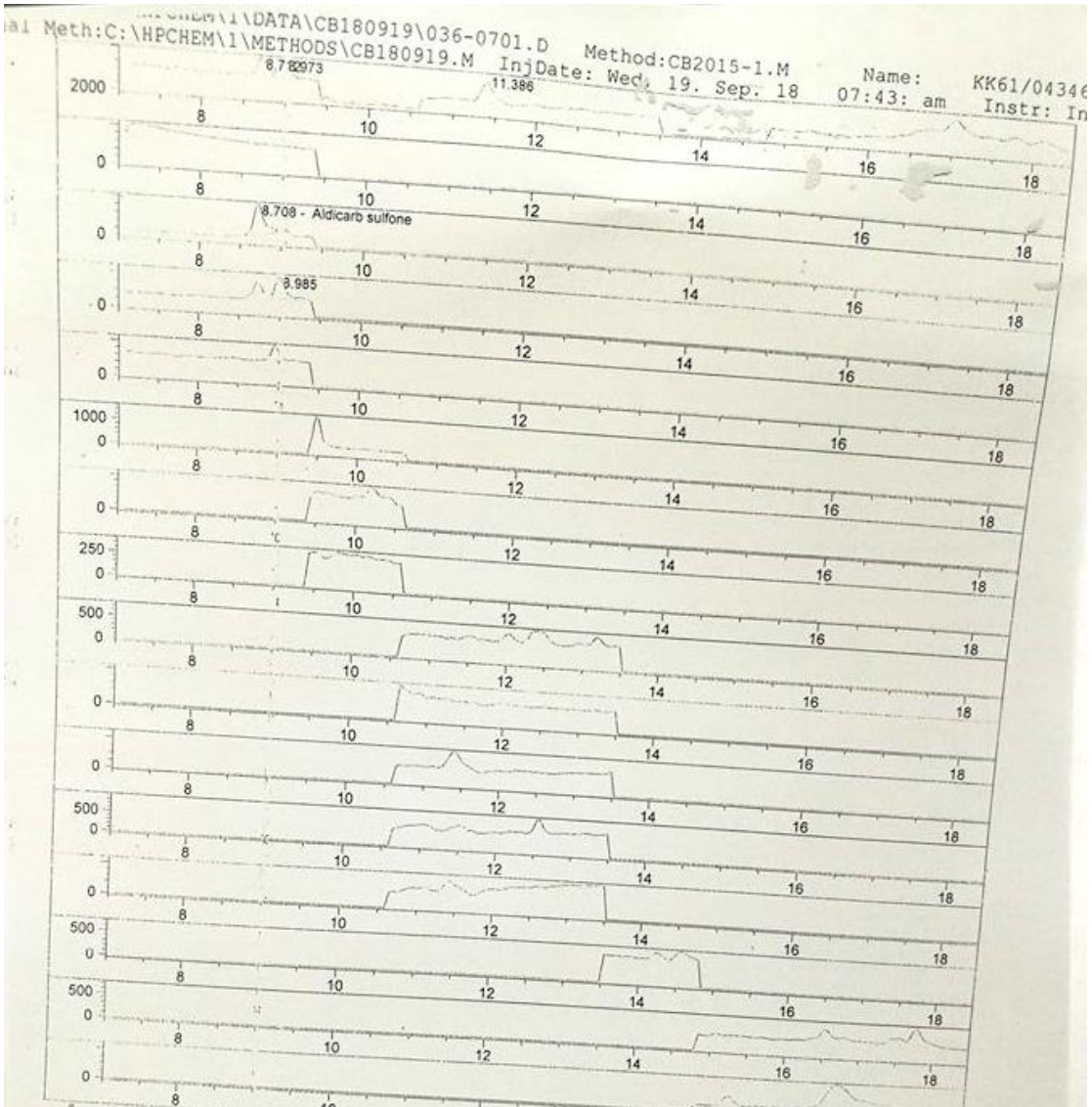
C:\HPCHEM\1\METHODS\CB180919.M InjDate: Wed, 19. Sep. 18 06:49: am Instr: Inst-

	R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
5	0.000	16.178	0.000	0.00000	0.000000	Methiocarb
6	0.000	16.480	0.000	0.00000	0.000000	Promecarb



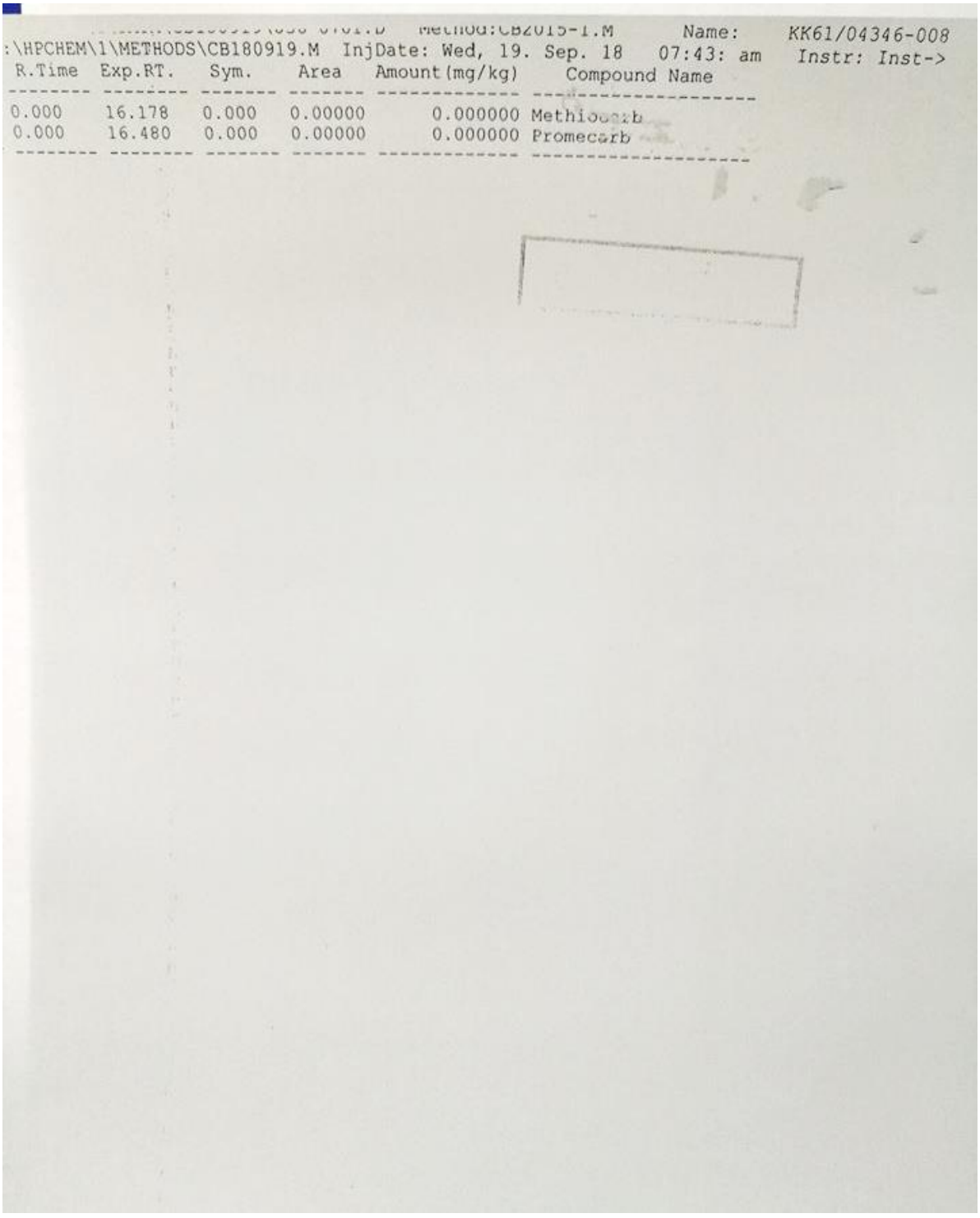
#	R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
1	0.000	8.263	0.000	0.00000	0.000000	Aldicarb sulfoxide
2	0.000	8.650	0.000	0.00000	0.000000	Oxamyl
3	8.720	8.567	0.641	5.803e4	0.053552	Aldicarb sulfone
4	9.048	9.006	0.745	2.291e4	0.013976	Methomyl
5	0.000	9.883	0.000	0.00000	0.000000	Methiocarb sulfoxide
6	0.000	10.177	0.000	0.00000	0.000000	Carbofuran-3-OH
7	0.000	10.305	0.000	0.00000	0.000000	Methiocarb sulfone
8	0.000	11.184	0.000	0.00000	0.000000	Carbofuran-3-keto
9	0.000	11.458	0.000	0.00000	0.000000	Aldicarb
10	0.000	12.475	0.000	0.00000	0.000000	Carbofuran
11	0.000	12.972	0.000	0.00000	0.000000	Carbaryl
12	0.000	13.109	0.000	0.00000	0.000000	Thiodicarb
13	0.000	14.124	0.000	0.00000	0.000000	Isoprocarb
14	0.000	15.791	0.000	0.00000	0.000000	Fenobucarb



#	R.Time	Exp.RT.	Sym.	Area	Amount (mg/kg)	Compound Name
1	0.000	8.263	0.000	0.00000	0.000000	Aldicarb sulfoxide
2	0.000	8.650	0.000	0.00000	0.000000	Oxamyl
3	8.708	8.567	0.576	3.500e4	0.032310	Aldicarb sulfone
4	0.000	9.006	0.000	0.00000	0.000000	Methomyl
5	0.000	9.883	0.000	0.00000	0.000000	Methiocarb sulfoxide
6	0.000	10.177	0.000	0.00000	0.000000	Carbofuran-3-OH
7	0.000	10.305	0.000	0.00000	0.000000	Methiocarb sulfone
8	0.000	11.184	0.000	0.00000	0.000000	Carbofuran-3-keto
9	0.000	11.458	0.000	0.00000	0.000000	Aldicarb
10	0.000	12.475	0.000	0.00000	0.000000	Carbofuran
11	0.000	12.972	0.000	0.00000	0.000000	Carbaryl
12	0.000	13.109	0.000	0.00000	0.000000	Thiodicarb
13	0.000	14.124	0.000	0.00000	0.000000	Isoprocarb
14	0.000	15.791	0.000	0.00000	0.000000	Fenobucarb

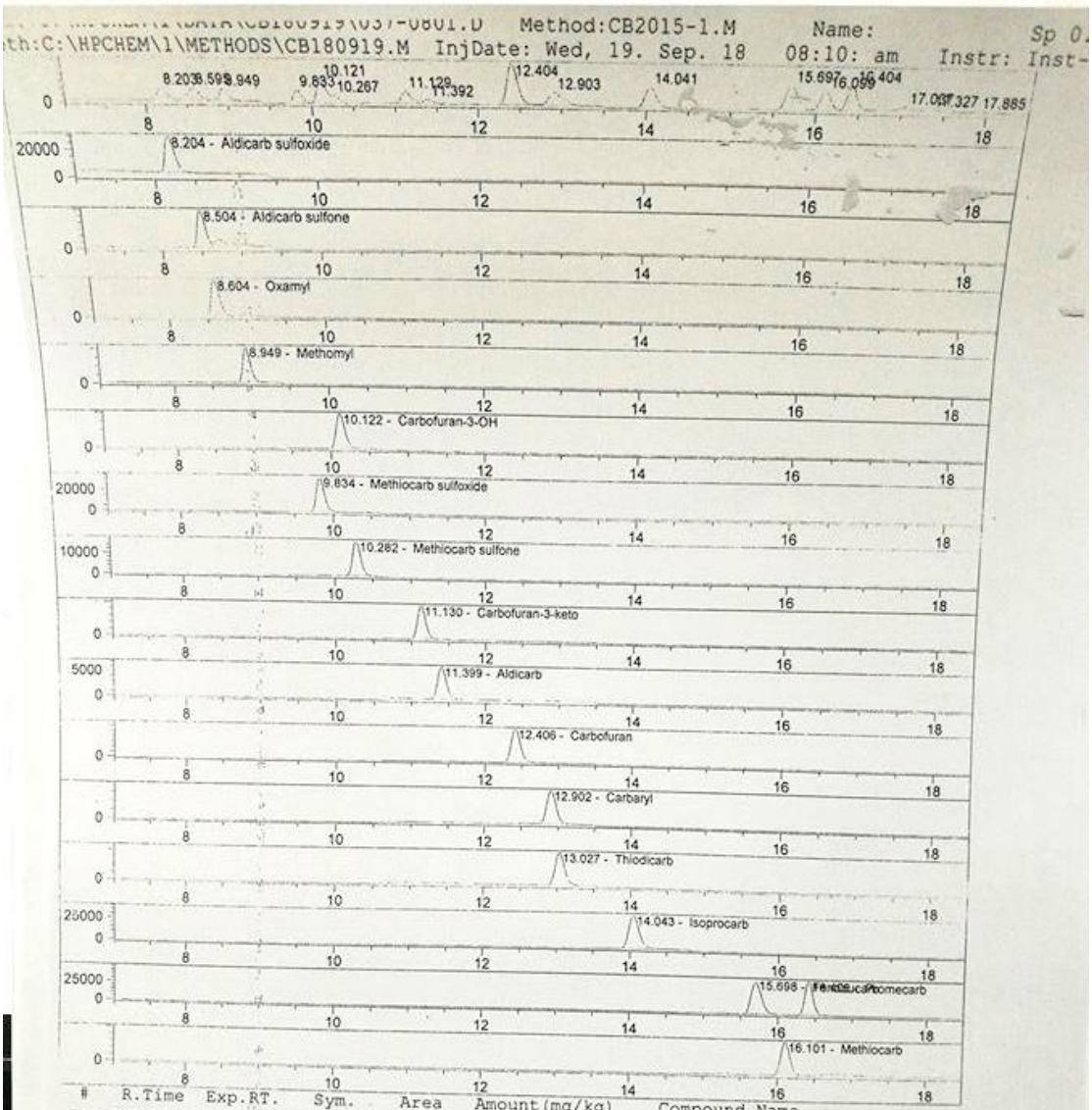
346-008
ier:0.36 Dilution:1

ReportDate:Thu, 20. Sep. 18 09:40 am By:Nuengrut->Page 1 of 2



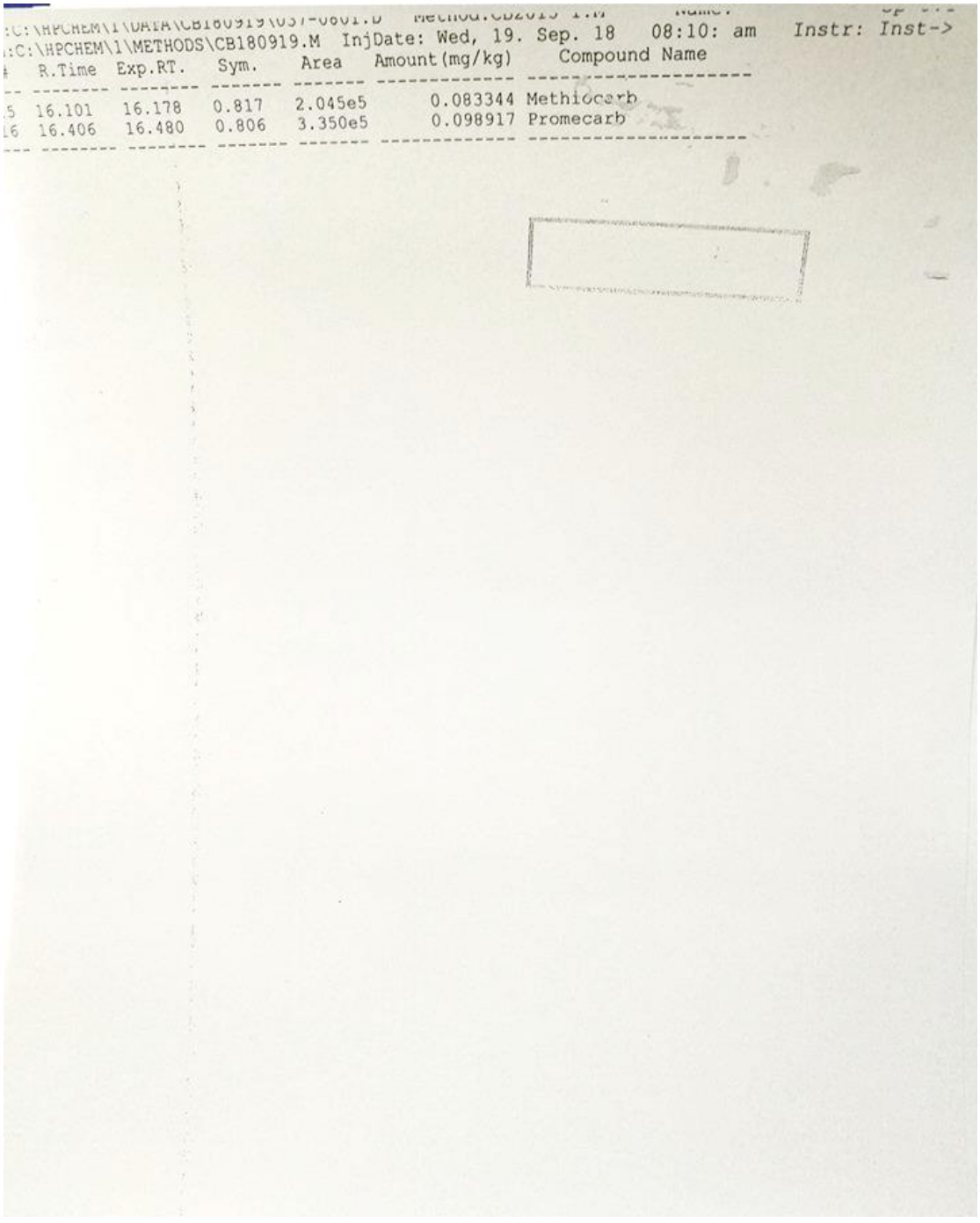
[illegible]\0101.D Method:CB2015-1.M Name: KK61/04346-008
:\HPCHEM\1\METHODS\CB180919.M InjDate: Wed, 19. Sep. 18 07:43: am Instr: Inst->

R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
0.000	16.178	0.000	0.00000	0.000000	Methiocarb
0.000	16.480	0.000	0.00000	0.000000	Promecarb



#	R.Time	Exp.RT.	Sym.	Area	Amount (mg/kg)	Compound Name
1	8.204	8.263	0.743	2.143e5	0.084280	Aldicarb sulfoxide
2	8.504	8.567	0.845	7.761e4	0.071610	Aldicarb sulfone
3	8.604	8.650	0.747	1.826e5	0.097294	Oxamyl
4	8.949	9.006	0.765	1.396e5	0.088656	Methomyl
5	9.834	9.883	0.780	2.384e5	0.083085	Methiocarb sulfoxide
6	10.122	10.177	0.796	1.541e5	0.092662	Carbofuran-3-OH
7	10.282	10.305	0.788	1.225e5	0.086707	Methiocarb sulfone
8	11.130	11.184	0.803	1.934e5	0.088686	Carbofuran-3-keto
9	11.399	11.458	0.773	5.402e4	0.105083	Aldicarb
10	12.406	12.475	0.753	5.794e5	0.096681	Carbofuran
11	12.902	12.972	0.790	1.695e5	0.078516	Carbaryl
12	13.027	13.109	0.748	7.821e4	0.088145	Thiodicarb
13	14.043	14.124	0.729	3.629e5	0.091235	Isoprocarb
14	15.698	15.791	0.737	4.056e5	0.087724	Fenobucarb

ier:0.36 Dilution:1 ReportDate:Thu, 20. Sep. 18 09:36 am By:Nuengrut->Page 1 of 2



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:C:\HPCHEM\1\METHODS\CB180919.M InjDate: Wed, 19. Sep. 18 08:10: am Instr: Inst->

#	R.Time	Exp.RT.	Sym.	Area	Amount(mg/kg)	Compound Name
5	16.101	16.178	0.817	2.045e5	0.083344	Methiocarb
16	16.406	16.480	0.806	3.350e5	0.098917	Promecarb