

method: C:\CHEM32\1\METHODS\IMIDACLOPRID.M
Modified on: 4/21/2017 at 10:12:56 AM

Method Information

Method: C:\CHEM32\1\METHODS\IMIDACLOPRID.M
Modified: 4/21/2017 at 10:12:56 AM

This method is for the analysis of imidacloprid samples.
Column: Synergi 4u Hydro-RP 80A 150 x 4.6 mm
Column Serial Number: 396889-55
Reference: OSDA-PS-LCACN-1

Method Audit Trail

Operator :
Date : 1/22/2015 2:58:39 PM
Change Info: This method was created at 1/22/2015 2:58:39 PM and based on
method D:\1\METHODS\IMIDACLOPRID-SM.M

Operator :
Date : 1/22/2015 2:58:41 PM
Change Info: Method saved. User comment: ""

Operator :
Date : 1/22/2015 3:59:04 PM
Change Info: Method saved. User comment: ""

Operator :
Date : 1/23/2015 7:28:09 AM
Change Info: Method saved. User comment: ""

Operator :
Date : 1/23/2015 7:32:13 AM
Change Info: Method saved. User comment: ""

Operator :
Date : 1/23/2015 7:34:21 AM
Change Info: Method saved. User comment: "updated intergration events"

Operator :
Date : 1/23/2015 7:40:21 AM
Change Info: Method saved. User comment: ""

Operator :
Date : 1/23/2015 2:50:08 PM
Change Info: Method saved. User comment: ""

Operator :
Date : 1/27/2015 9:13:17 AM
Change Info: Method saved. User comment: ""

Operator :
Date : 2/17/2015 10:06:09 AM
Change Info: Method saved. User comment: "Turned on Compound Names"

Operator : Yvette Turner
Date : 3/17/2015 7:02:29 AM
Change Info: Method saved. User comment: ""

method: C:\CHEM32\1\METHODS\IMIDACLOPRID.M
Modified on: 4/21/2017 at 10:12:56 AM
Operator : Yvette Turner
Date : 3/19/2015 2:28:56 PM
Change Info: Method saved. User comment: ""

Operator : Evelyn Tilman
Date : 3/24/2015 9:36:24 AM
Change Info: Method saved. User comment: ""

Operator : Keith Keesee
Date : 7/16/2015 9:36:03 AM
Change Info: Method saved. User comment: "Recal"

Operator : Keith Keesee
Date : 7/16/2015 9:52:03 AM
Change Info: Method saved. User comment: ""

Operator : Keith Keesee
Date : 7/17/2015 1:16:40 PM
Change Info: Method saved. User comment: "Recal"

Operator : Keith Keesee
Date : 8/18/2015 9:16:14 AM
Change Info: Method saved. User comment: ""

Operator : Keith Keesee
Date : 8/18/2015 10:37:30 AM
Change Info: Method saved. User comment: ""

Operator : Keith Keesee
Date : 8/18/2015 11:03:00 AM
Change Info: Method saved. User comment: ""

Operator : Elena Lyon
Date : 8/19/2015 8:34:39 AM
Change Info: Method saved. User comment: ""

Operator : Elena Lyon
Date : 8/19/2015 9:20:39 AM
Change Info: Method saved. User comment: ""

Operator : Elena Lyon
Date : 8/19/2015 9:25:58 AM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 11/17/2015 3:10:16 PM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 11/18/2015 10:18:17 AM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 11/18/2015 10:39:20 AM
Change Info: Method saved. User comment: "Save new intergration events to the method. SM/TT "

Operator : Thuy Ta
Date : 12/23/2015 1:13:18 PM
Change Info: Method saved. User comment: ""

method: C:\CHEM32\1\METHODS\IMIDACLOPRID.M
Modified on: 4/21/2017 at 10:12:56 AM
Operator : Thuy Ta
Date : 12/30/2015 8:51:58 AM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 7/20/2016 1:34:40 PM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 9/20/2016 1:20:13 PM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 11/14/2016 3:02:11 PM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 11/15/2016 2:40:48 PM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 4/20/2017 2:21:56 PM
Change Info: Method saved. User comment: ""

Operator : Thuy Ta
Date : 4/21/2017 10:12:56 AM
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Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Customized Data Analysis: off
Save GLP Data: on
Post-Run Cmd/Macro: off
Save Method with Data: on

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Agilent 1100/1200 Quaternary Pump 1

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Control

Column Flow : 2.000 ml/min
Stoptime : 8.00 min
Posttime : Off

Solvents

Solvent A : 0.0 % (Water)
Solvent B : 10.0 % (Acetonitrile)
Solvent C : 90.0 % (2% Acetic Acid)
Solvent D : Off

PressureLimits

Minimum Pressure : 5 bar
Maximum Pressure : 400 bar

Auxiliary

Maximal Flow Ramp : 100.00 ml/min²
Primary Channel : Auto
Compressibility : 100*10⁻⁶/bar
Minimal Stroke : Auto

Store Parameters

Store Ratio A : Yes
Store Ratio B : Yes
Store Ratio C : Yes
Store Ratio D : Yes
Store Flow : Yes
Store Pressure : Yes

Timetable

Time	Solv.B	Solv.C	Solv.D	Flow	Pressure
0.00	10.0	90.0	0.0		
0.50	10.0	90.0	0.0		
4.00	80.0	20.0	0.0		
4.10	10.0	90.0	0.0		
8.00	10.0	90.0	0.0		

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Agilent 1100/1200 Multiple Wavelength Detector SL 1

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Signals

Signal	Store	Signal, Bw	Reference, Bw	[nm]
A:	Yes	270 4	360 100	
B:	No	254 4	360 100	
C:	No	225 4	300 100	
D:	No	325 4	Off	
E:	No	286 4	360 70	
F:	No	280 4	360 70	
G:	No	280 16	360 100	

method: C:\CHEM32\1\METHODS\IMIDACLOPRID.M

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H: No 280 16 360 100
K: No Board Temperature
L: No Optical Unit Temperature
M: No UV Lamp Anode Voltage

Time

Stoptime : As pump
Posttime : Off

Required Lamps

UV lamp required : Yes
Vis lamp required : Yes

Autobalance

Prerun balancing : Yes
Postrun balancing : Yes
Margin for negative Absorbance: 100 mAU

Peakwidth : > 0.1 min
Slit : 4 nm

Analog Outputs

Zero offset ana. out. 1: 5 %
Zero offset ana. out. 2: 5 %
Attenuation ana. out. 1: 1000 mAU
Attenuation ana. out. 2: 1000 mAU

Timetable is empty

=====
Agilent 1100/1200 Autosampler 1
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Injection

Injection Mode : Needle Wash
Injector volume : 25.00 µl
Wash Vial : 91
Optimization : none

Auxiliary

Drawspeed : 100 µl/min
Ejectspeed : 1000 µl/min
Draw position : 0.0 mm

Time

Stoptime : As Pump
Posttime : Off

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Agilent 1200 Column Thermostat SL 1
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Temperature settings

Left temperature : 26.0°C
Right temperature : Same as left
Enable analysis : When Temp. is within setpoint +/- 0.8°C
Store left temperature : Yes

Store right temperature: No

Time

Stoptime : As pump

Posttime : Off

Column Switching Valve : Column 1

Timetable is empty

The Data Analysis Parameters of the used Method are :

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Integration Events
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Non signal specific Integration Events

Event	Value
Tangent Skim Mode	Straight
Tail Peak Skim Height Ratio	0.000
Front Peak Skim Height Ratio	0.000
Skim Valley Ratio	80.000
Baseline Correction	Advanced
Peak to Valley Ratio	10.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_DAD"

Event	Value	Time
Initial Slope Sensitivity	5.000	Initial
Initial Peak Width	0.050	Initial
Initial Area Reject	5.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FLD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_VWD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_MWD"

Event	Value	Time
Initial Slope Sensitivity	10.000	Initial
Initial Peak Width	0.100	Initial
Initial Area Reject	0.100	Initial
Initial Height Reject	0.200	Initial
Initial Shoulders	OFF	Initial

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Specify Report
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Calculate: Area Percent
Use Multiplier & Dilution Factor with ISTDs

Use Sample Data from Data File
Destination: Printer, File (Prefix: Report)
Destination File Types: .TXT, .PDF, Unique PDF Name
Quantitative Results sorted by: Signal
Report Style: Short
Sample info on each page: Yes
Add Chromatogram Output: Yes
Chromatogram Output: Portrait
Size in Time direction: 100 % of Page
Size in Response direction: 40 % of Page
Uncalibrated Peaks: Report with Calibrated Peaks

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Signal Options
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Include: Axes, Compound Names, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Overlaid, All the same Scale

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Calibration Table
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Calib. Data Modified : 4/20/2017 8:49:18 AM

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
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: MWD1 A, Sig=270,4 Ref=360,100

RetTime [min]	Lvl Sig	Amount [ppm]	Area	Amt/Area	Ref Grp Name
3.318	1 1	1.00000	0.00000	0.00000	Imidacloprid
3.399	1 1	3.93400e-1	20.19338	1.94816e-2	Imidacloprid
	2	7.86700e-1	42.15831	1.86606e-2	
	3	1.57300	84.69084	1.85734e-2	
	4	3.14700	168.36107	1.86920e-2	
	5	6.29400	334.84131	1.87970e-2	
	6	12.59000	659.85645	1.90799e-2	
	7	25.18000	1292.40979	1.94830e-2	
	8	50.35000	2563.96240	1.96376e-2	
	9	100.70000	5105.81494	1.97226e-2	
	10	201.40000	9736.97461	2.06840e-2	
3.537	1 1	1.00000	135.74257	7.36689e-3	Acetamiprid

3 Warnings or Errors :

Warning : Curve requires more calibration points., (Imidacloprid)

Warning : Overlapping peak time windows at 3.318 min, signal 1

Warning : Overlapping peak time windows at 3.399 min, signal 1

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=====
                          Peak Sum Table
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No Entries in table

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=====
                          Sample related custom fields
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```

Custom Field              Type      Mand.  Default Value
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None defined

```

```

=====
                          Compound related custom fields
=====

```

```

Custom Field              Type      Mand.  Default Value
-----
None defined

```