

Method Information

Method: C:\Users\P...c\Documents\ChemStation\1
\Methods\Phenol_30m_02.M
Modified: 9/9/2020 at 9:28:14 PM

Method Audit Trail

Operator : SYSTEM
Date : 9/17/2019 4:26:27 PM
Change Info: This method was created at 9/17/2019 4:26:27 PM and based on
method
'C:\Users\Public\Documents\ChemStation\1
\Methods\Phenol_30m_01.M'

Operator : SYSTEM
Date : 9/17/2019 4:26:41 PM
Change Info: Method saved. User comment: "added 1 min hold at 100 H2O"

Operator : SYSTEM
Date : 9/25/2019 3:18:08 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 12/2/2019 7:46:43 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 3/4/2020 3:47:42 PM
Change Info: Method saved. User comment: "ran reaction like normal, not
sure
why it's asking me this -WF"

Operator : SYSTEM
Date : 8/25/2020 5:14:47 PM
Change Info: Method saved. User comment: ""

Operator : SYSTEM
Date : 9/9/2020 9:28:14 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro: off
Data Acquisition: on
Standard Data Analysis: on
Modify Custom Fields: off
Customized Data Analysis: off

Save GLP Data: off

Post-Run Cmd/Macro: off

Save Method with Data: off

Injection Source and Location

Injection Source: Als

Injection Location: Als

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Binary Pump
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Binary Pump (G1312A)
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Flow: 1.000 mL/min
Low Pressure Limit: 0.00 bar
High Pressure Limit: 300.00 bar
Maximum Flow Gradient: 100.000 mL/min²

Stroke A
Automatic Stroke Calculation A: Yes

Stroke B
Automatic Stroke Calculation B: Yes

Compress A
Compressibility Mode A: Compressibility Value Set
Compressibility A: 50 10e-6/bar

Compress B
Compressibility Mode B: Compressibility Value Set
Compressibility B: 115 10e-6/bar

Stoptime
Stoptime Mode: Time set
Stoptime: 30.00 min

Posttime
Posttime Mode: Off

Solvent Composition

Channel	Name 1	Name 2	Selected	Used	Percent %
A			Ch. 1	Yes	100.0
B			Ch. 1	Yes	0.0

Timetable

Time min	A %	B %	Flow mL/min	Pressure bar
1.00	100.0	0.0	---	---

15.00	0.0	100.0	---	---
20.00	0.0	100.0	---	---
25.00	100.0	0.0	---	---
30.00	100.0	0.0	---	---

Instrument Curves

Store Pressure:	Yes
Store Flow:	Yes
Store Solvent Ratio A:	Yes
Store Solvent Ratio B:	Yes
Store Direction of Piston A:	Yes
Store Direction of Piston B:	Yes

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Sampler

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Sampler (G1329A)

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Stoptime
 Stoptime Mode: As Pump/No Limit

Posttime
 Posttime Mode: Off

Auxiliary
 Draw Speed: 200 µL/min
 Eject Speed: 200 µL/min
 Draw Position Offset: 0.0 mm

Injection
 Injection Mode: Standard injection
 Injection Volume: 5.00 µL

High throughput

Overlapped Injection
 Enable Overlapped Injection: No

Instrument Curves
 Store Temperature: No

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Column Comp.
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Column Comp. (G1316A)
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Left Temperature Control
Temperature Control Mode: Temperature Set
Temperature: 28.0 °C

Enable Analysis Left Temperature
Enable Analysis Left Temperature On: Yes
Enable Analysis Left Temperature Value: 0.8 °C

Right Temperature Control
Right temperature Control Mode: Not Controlled

Enable Analysis Right Temperature
Enable Analysis Right Temperature On: Yes
Enable Analysis Right Temperature Value: 0.8 °C

Stoptime
Stoptime Mode: As Pump/Injector

Posttime
Posttime Mode: Off

Timetable

Instrument Curves
Store Left Temperature: No
Store Right Temperature: No

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DAD
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DAD (G1315B)
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Peakwidth: > 0.1 min (2 s response time) (2.5 Hz)
Slit: 4 nm
UV Lamp Required: Yes
Vis Lamp Required: No

Analog Output 1
Analog 1 Zero Offset: 5 %
Analog 1 Attenuation: 1000 mAU

Analog Output 2
Analog 2 Zero Offset: 5 %

Analog 2 Attenuation: 1000 mAU

Signals

Signal table

Acquire	Signal	Wavelength nm	Bandwidth nm	Use Ref.
No	Signal A			
Yes	Signal B	270	4	No
No	Signal C			
No	Signal D			
No	Signal E			

Prepare Mode

Margin for negative Absorbance: 100 mAU

Autobalance

Autobalance Prerun: Yes
Autobalance Postrun: No

Spectrum

Spectrum Range WL from: 190 nm
Spectrum Range WL to: 400 nm
Spectrum Step: 2.0 nm
Spectrum Store: All

Stoptime

Stoptime Mode: As Pump/Injector

Posttime

Posttime Mode: Off

Timetable

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	New
Exponential	

Tail Peak Skim Height Ratio	5.000
Front Peak Skim Height Ratio	5.000
Skim Valley Ratio	20.000
Baseline Correction	Advanced
Peak to Valley Ratio	500.000

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_FLD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_VWD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_MWD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_DAD"

Event	Value	Time
Initial Slope Sensitivity	5.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	5.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Detector Default Integration Event Table "Event_UIB"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial
Solvent Peak Slope	0.000	0.000

Detector Default Integration Event Table "Event_RID"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Initial Area Percent Reject 0.000 Initial

Detector Default Integration Event Table "Event_ELS"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.020	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial
Initial Area Percent Reject	0.000	Initial

Apply Method's Manual Integration Events: No

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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

Report mode: Classic
Destination: Screen
Quantitative Results sorted by: Signal
Report Style: Short
Sample info on each page: No
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, Retention Times, Baselines, Tick Marks
Font: Arial, Size: 8

Ranges: Full
Multi Chromatograms: Separated, Each in full Scale

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Calibration Table
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General Calibration Setting

Calib. Data Modified :

Signals calculated separately : No

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 : 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 Details

Overview Table

No Entries in table

Identification Details Table

No Entries in table

Peak Sum Table

No Entries in table

Component Details Table

No Entries in table

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Sample related custom fields
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Custom Field	Type	Mand.	Default Value

None defined			

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Compound related custom fields
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Custom Field	Type	Mand.	Default Value

None defined			