



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16032

CUSTOMER INFORMATION

Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions;
Headspace-Gas Chromatography.

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.04 g/210L
DATE PREPARED: 08/12/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Dawn C. Sklerov

	DCS	DN	AG
1	0.048	0.049	0.049
2	0.048	0.049	0.049
3	0.048	0.049	0.049
4	0.048	0.049	0.049
5	0.047	0.049	0.049
C	0.101	0.101	0.101

ETHANOL CONTROL INFORMATION

LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0486 g/100mL PRECISION CV (%): 1.30
STANDARD DEVIATION: 0.00063 NUMBER OF TESTS: 15

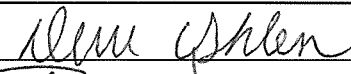
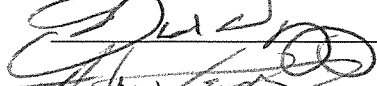
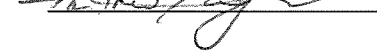
EQUIVALENT VAPOR CONCENTRATION: **0.0395 g/210L**
EXPANDED UNCERTAINTY: ± 0.0008 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Lisa Noble Forensic Scientist Supervisor

9/16/16
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
DCS	Dawn C. Sklerov		08/12/2016
DN	David Nguyen		08/19/2016
AG	Andrew Gingras		08/19/2016

Washington State Patrol - Toxicology Laboratory Division
QAP Test Report Calculation Record

QAP Solution Batch #: 16032

Date Prepared: 8/12/2016

Analyst:	DCS	DN	AG
Date Tested:	8/12/2016	8/19/2016	8/19/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.048	0.049	0.049
2	0.048	0.049	0.049
3	0.048	0.049	0.049
4	0.048	0.049	0.049
5	0.047	0.049	0.049
C	0.101	0.101	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000112901	0.0000000000	0.0001016326

Ethanol Control Lot #: FN08051301
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0486 g/100mL
Standard Deviation: 0.00063 g/100mL
Precision CV (%): 1.30
Equivalent Vapor Concentration: 0.0395 g/210L
Combined Standard Uncertainty (\pm): 0.0004 g/210L
Expanded Uncertainty (\pm): 0.0008 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 8/31/16
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 9-16-16
Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 8/31/16
Name Signature Date

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 9-16-16

Location: WSP- FLSB Seattle, WA Solution Batch Number: 16032

	YES	NO	N/A
Analysis dates do not precede preparation date:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Declarations signed and properly dated:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All signatures present on Test Report:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Average solution concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CV (%) correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All chromatograms and sequences included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethanol control information present: (lot # present & used within expiration)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Reviewer Signature: 

Date: 9-16-16



Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

- 1) Checked your data
- 2) Checked the date to the right of your name on the Test Report
- 3) Signed the Test Report

	Initials	Date
Amanda Chandler		
Andrew Gingras	<i>AG</i>	8/31/2016
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	9/1/16
Dawn Sklerov	DCS	8-31-16
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16032 *for 8/31/16*

JR

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16032**

I, Dawn C. Sklerov, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS in Forensic Chemistry and over nine years of experience in the field of toxicology.

The quality assurance procedure (QAP) solution, Lot Number 16032, was prepared in the Washington State Toxicology Laboratory on 8/12/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 8/12/2017.

Seattle, WA

 8.31.16

Dawn C. Sklerov
Forensic Scientist

Date



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16032**

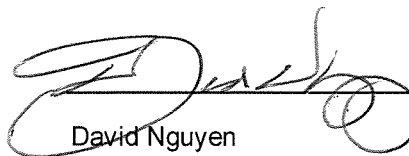
I, David Nguyen, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16032, was prepared in the Washington State Toxicology Laboratory on 8/12/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 8/12/2017.

Seattle, WA


David Nguyen
Forensic Scientist

9/11/16
Date

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16032**

I, Andrew Gingras, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Cell and Molecular Biology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 16032, was prepared in the Washington State Toxicology Laboratory on 8/12/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 8/12/2017.

Seattle, WA

 8/31/2016

Andrew Gingras
Forensic Scientist

Date



FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: 8-12-16 Expiration Date: 8-12-17 Initials of Preparer: DS

Lot # of 200-proof Ethanol used in preparation: 2D1000

Date the 200-proof Ethanol bottle was opened: 8-8-16

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>16032</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16033</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u> </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16034</u>
QAP 0.20	56.1	18	<input type="checkbox"/>	<u> </u>
ESS	66.5	52	<input type="checkbox"/>	<u> </u>

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed 8-12-16
Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

[Signature]
Analyst Signature

8-12-16
Date

[Handwritten initials]

Sequence Parameters:

Operator: Dawn Sklerov
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 160812DS
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
 Internal Standard Lot#P0716 - Exp. 10/22/2016

Calibration vials 1-9 filed with 16032

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16032-1	SIMALC1	1	Sample		
11	Vial 11	16032-2	SIMALC1	1	Sample		
12	Vial 12	16032-3	SIMALC1	1	Sample		
13	Vial 13	16032-4	SIMALC1	1	Sample		
14	Vial 14	16032-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16033-1	SIMALC1	1	Sample		
18	Vial 18	16033-2	SIMALC1	1	Sample		
19	Vial 19	16033-3	SIMALC1	1	Sample		
20	Vial 20	16033-4	SIMALC1	1	Sample		
21	Vial 21	16033-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16034-1	SIMALC1	1	Sample		
25	Vial 25	16034-2	SIMALC1	1	Sample		
26	Vial 26	16034-3	SIMALC1	1	Sample		

16032
 8/23/16

DS

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	16034-4	SIMALC1	1	Sample		
28	Vial 28	16034-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16032
In 8/12/16

DS

=====
Calibration Table
=====

Calib. Data Modified : Friday, August 12, 2016 10:22:31 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.085	1 1	7.91100e-2	1013.47559	7.80581e-5	1 Ethanol
	2	1.59090e-1	2115.54443	7.52005e-5	
	3	3.15200e-1	3871.80981	8.14090e-5	
1.764	1 1	1.20000e-2	2807.80713	4.27380e-6	I1 n-Propanol
	2	1.20000e-2	2892.71387	4.14835e-6	
	3	1.20000e-2	2750.36206	4.36306e-6	

16032

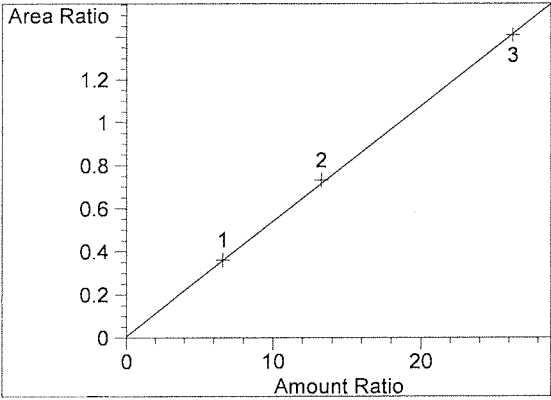
8/13/16

=====
Peak Sum Table
=====

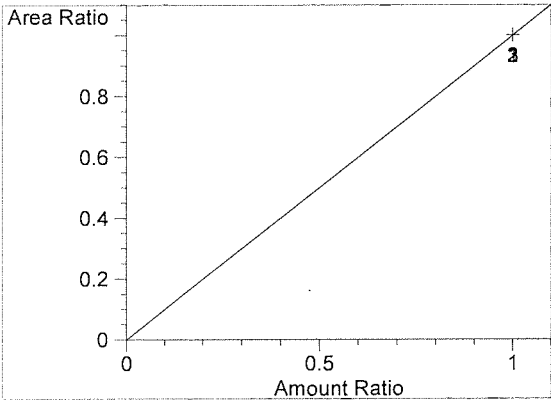
No Entries in table
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DS

=====
Calibration Curves
=====



Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99987
Residual Std. Dev.: 0.01202
Formula: $y = mx + b$
m: 5.35899e-2
b: 7.16086e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.764
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

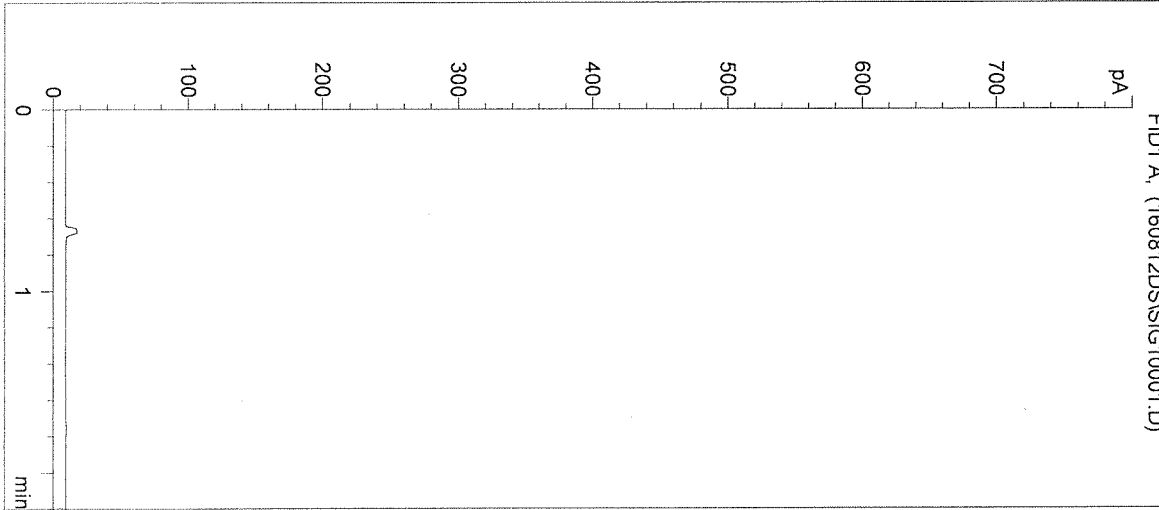
16032

In 8/31/16

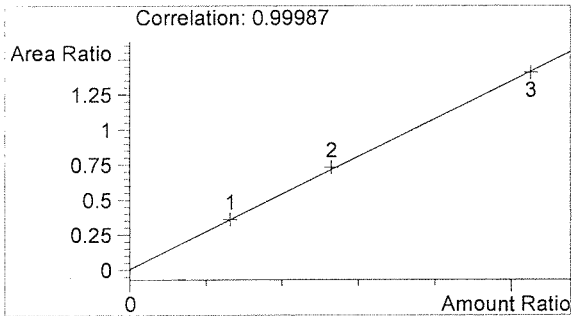
DS

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2203 Airport Way S Seattle, WA 98134

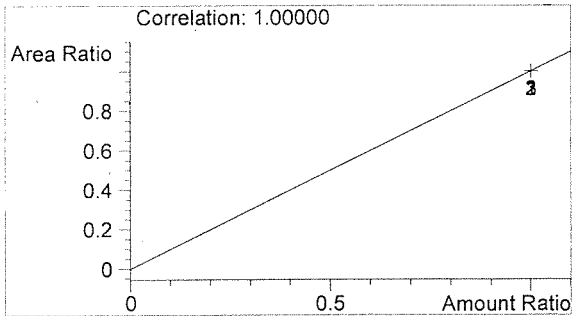
Inj. Date: 8/12/2016 10:10:27 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Dawn Sklerov
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

fr

SS

Inj. Date: 8/12/2016 10:13:44 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

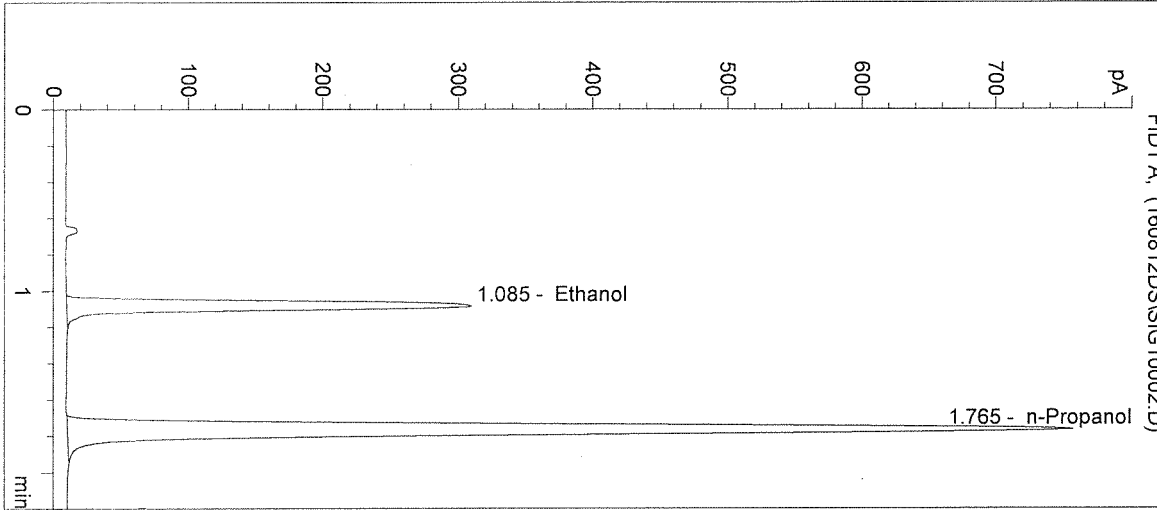
Operator: Dawn Sklerov

Column: DB-ALC1

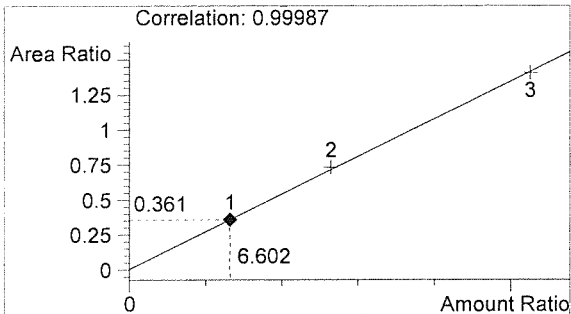
Location: Vial 2

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

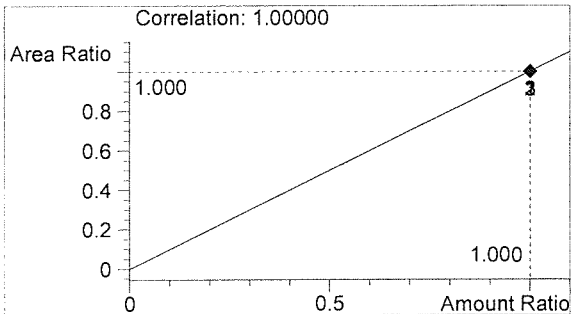
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1013	1.085
2	n-Propanol	2808	1.765



Ethanol 0.079 g/100mL



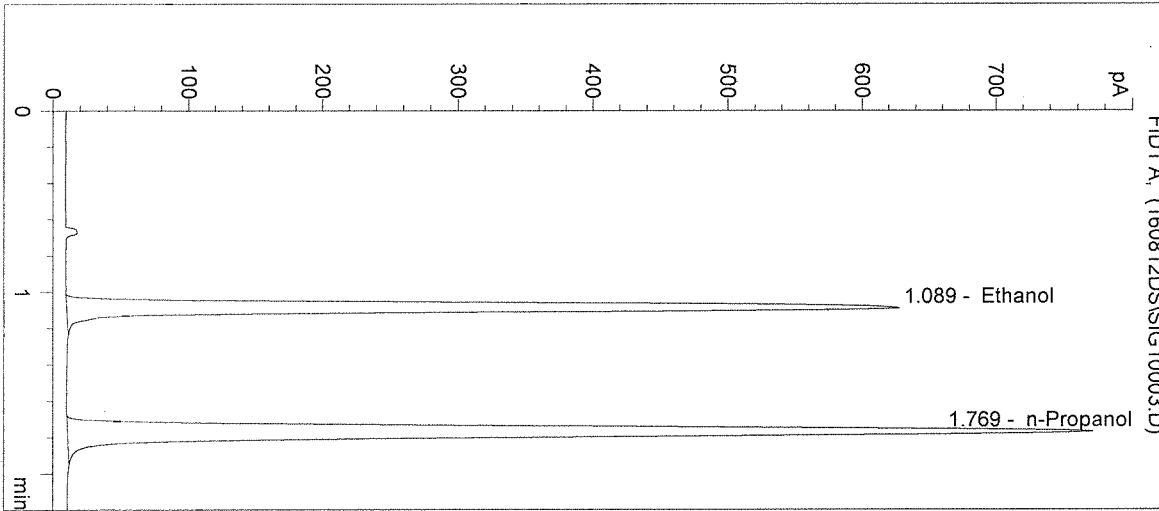
n-Propanol 0.012 g/100mL

Handwritten signature

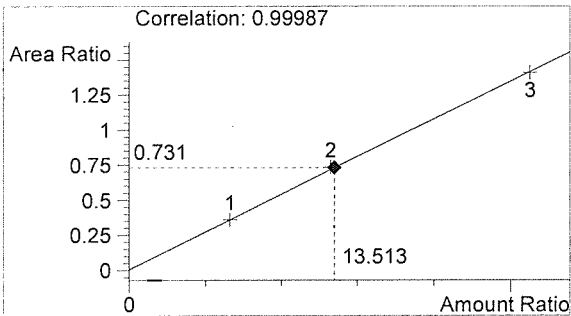
Handwritten mark

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/12/2016 10:17:01 AM Sample Name: 0.158 CAL 2
 Instrument: HSGC#1 Operator: Dawn Sklerov
 Column: DB-ALC1 Location: Vial 3
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16032

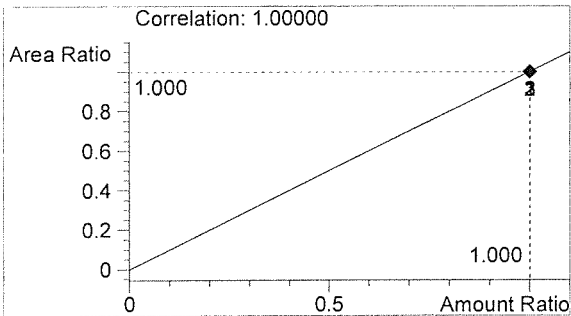


#	Compound	Peak Area	RT (min)
1	Ethanol	2116	1.089
2	n-Propanol	2893	1.769



Ethanol 0.162 g/100mL

sk



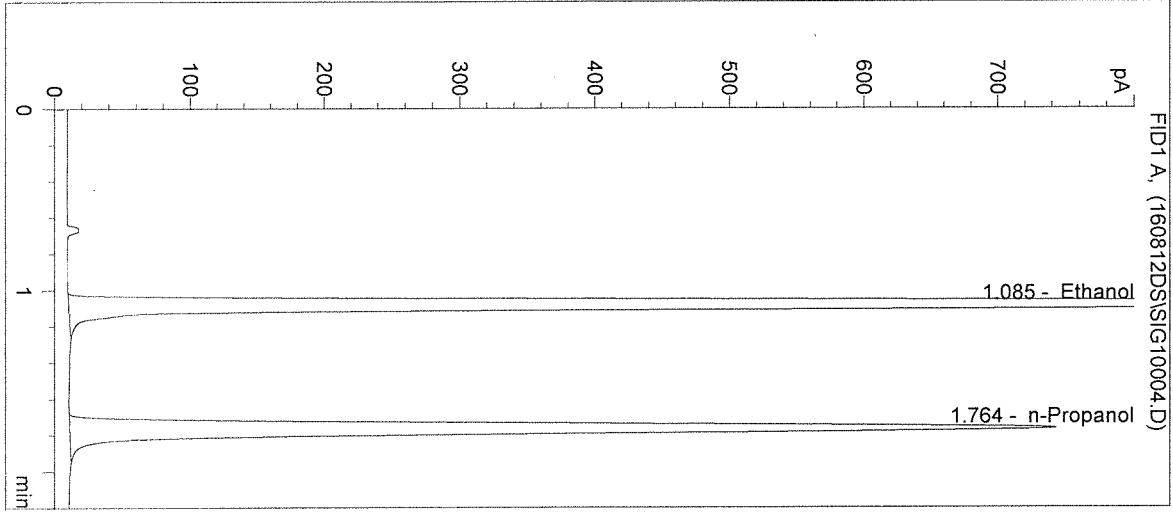
n-Propanol 0.012 g/100mL

sk

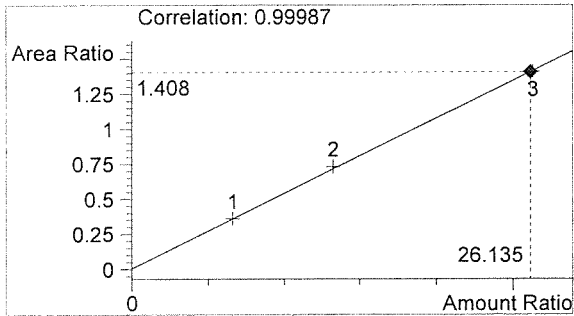
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/12/2016 10:20:18 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16032

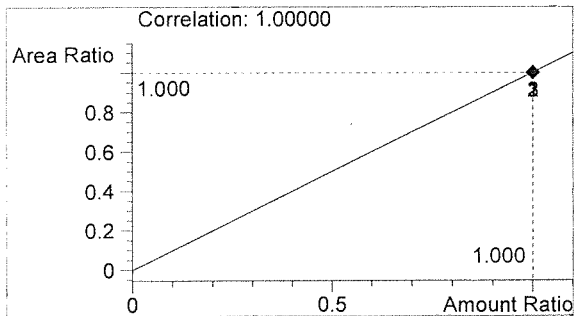
Sample Name: 0.316 CAL 3
 Operator: Dawn Sklerov
 Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3872	1.085
2	n-Propanol	2750	1.764



Ethanol 0.314 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials DS

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/12/2016 10:23:32 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

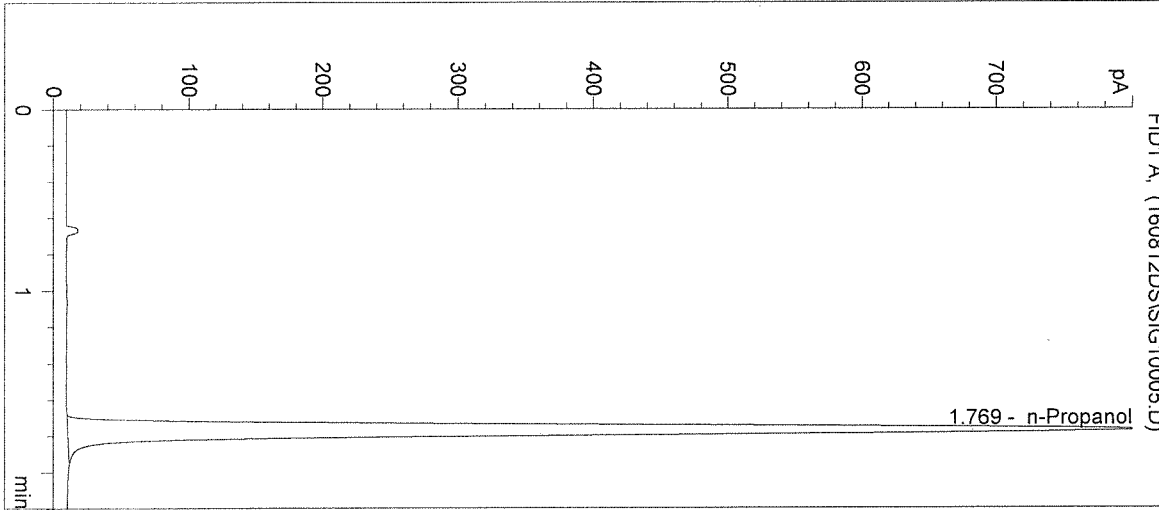
Operator: Dawn Sklerov

Column: DB-ALC1

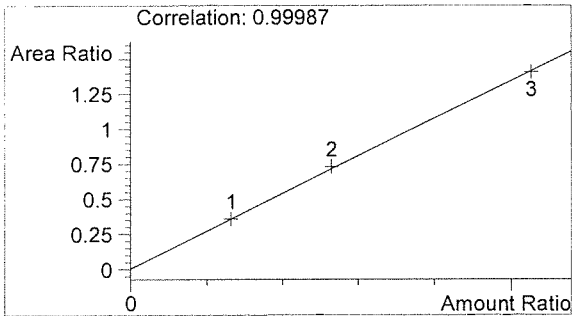
Location: Vial 5

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

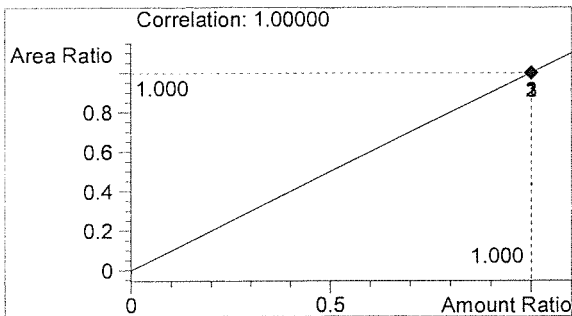
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3024	1.769



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten mark

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/12/2016 10:26:45 AM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

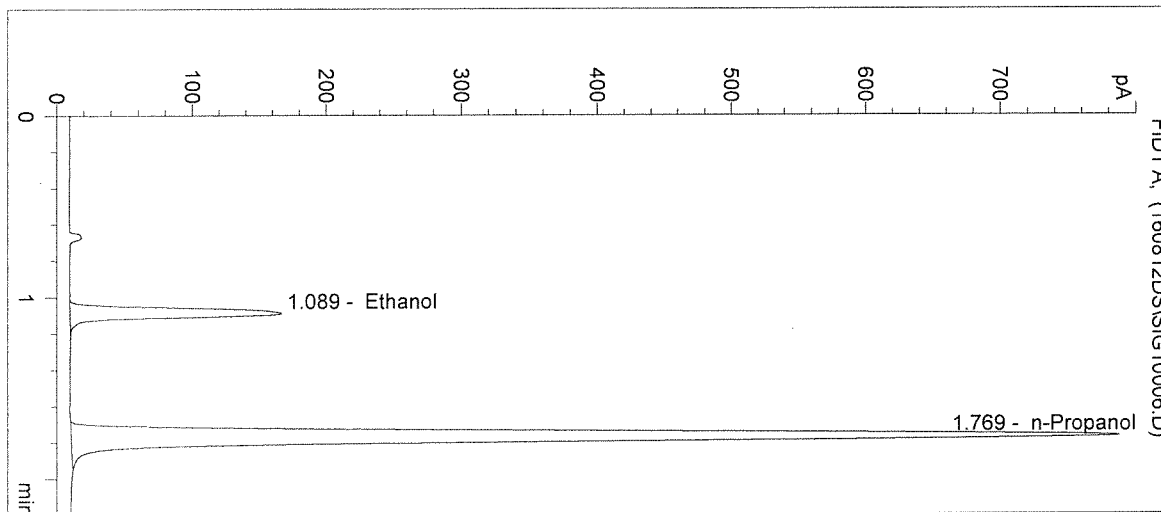
Operator: Dawn Sklerov

Column: DB-ALC1

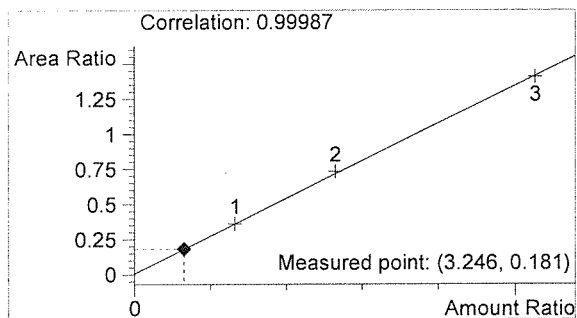
Location: Vial 6

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 16032

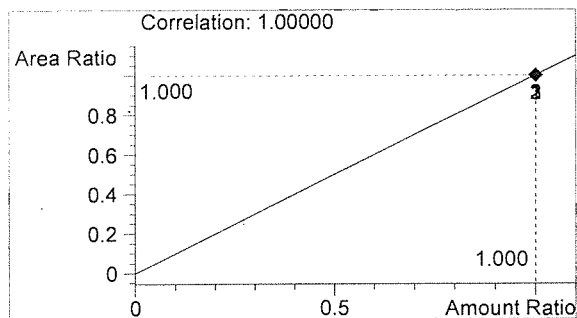


#	Compound	Peak Area	RT (min)
1	Ethanol	535	1.089
2	n-Propanol	2956	1.769



Ethanol 0.039 g/100mL

sk

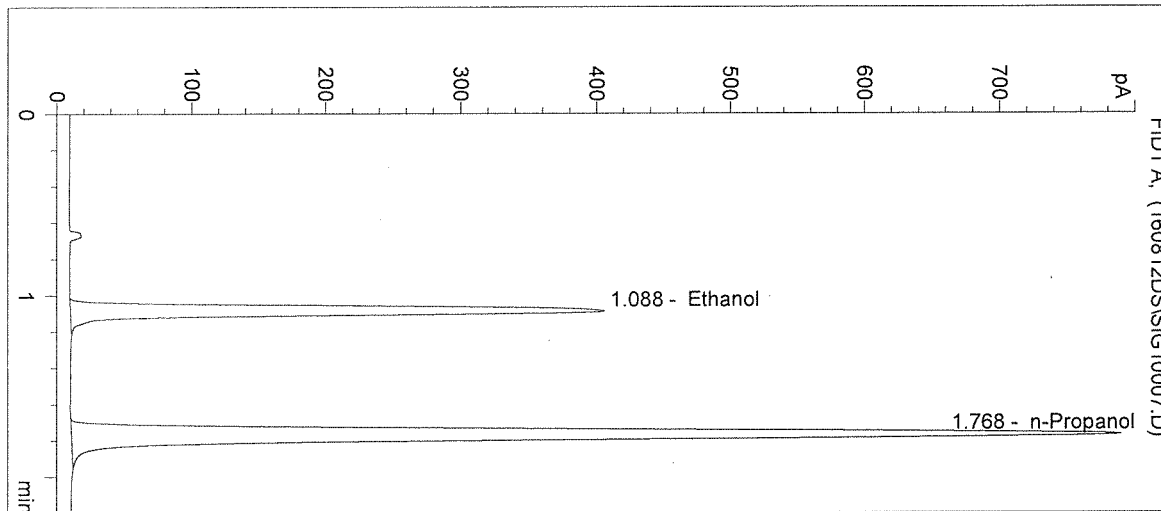


n-Propanol 0.012 g/100mL

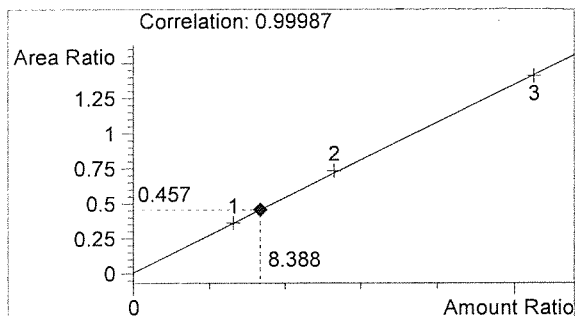
DS

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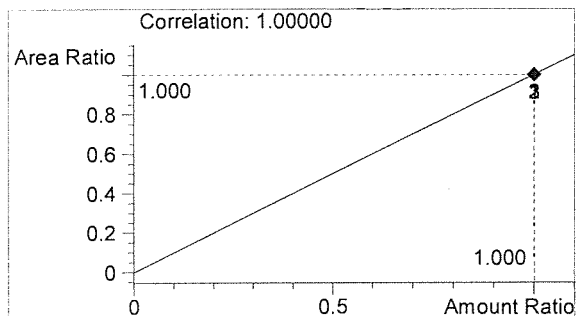
Inj. Date: 8/12/2016 10:29:59 AM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Dawn Sklerov
Column: DB-ALC1 Location: Vial 7
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1349	1.088
2	n-Propanol	2953	1.768



Ethanol 0.101 g/100mL

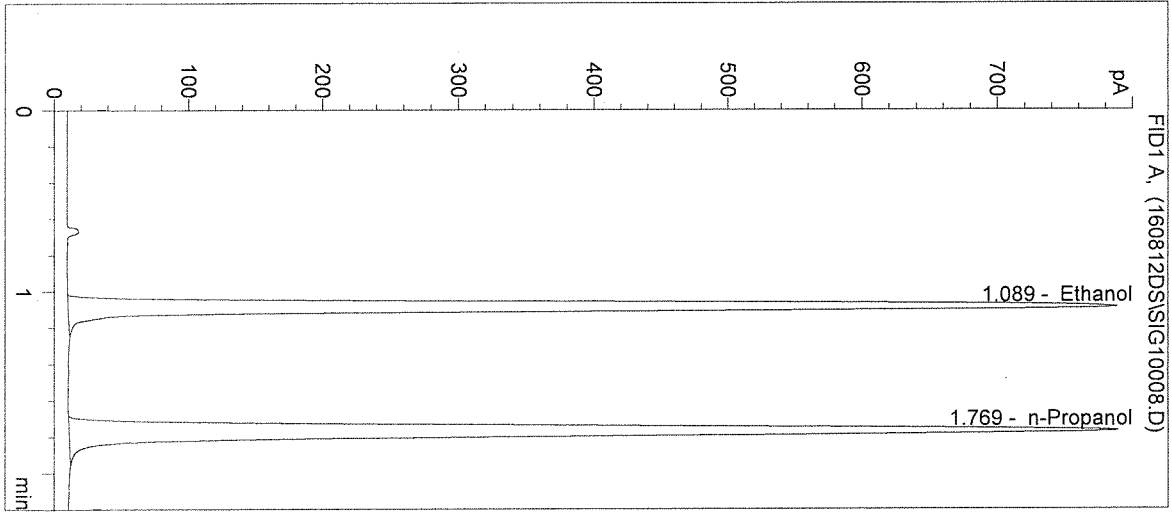


n-Propanol 0.012 g/100mL

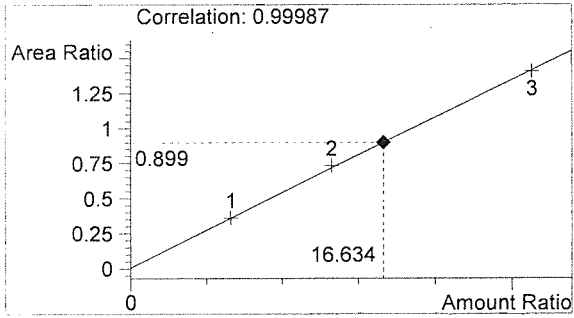
DS

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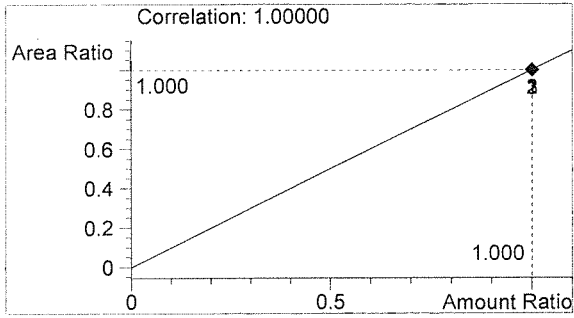
Inj. Date: 8/12/2016 10:33:12 AM Sample Name: 0.20 CTRL
 Instrument: HSGC#1 Operator: Dawn Sklerov
 Column: DB-ALC1 Location: Vial 8
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	2652	1.089
2	n-Propanol	2951	1.769



Ethanol 0.200 g/100mL



n-Propanol 0.012 g/100mL

JS

JS

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Inj. Date: 8/12/2016 10:36:25 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

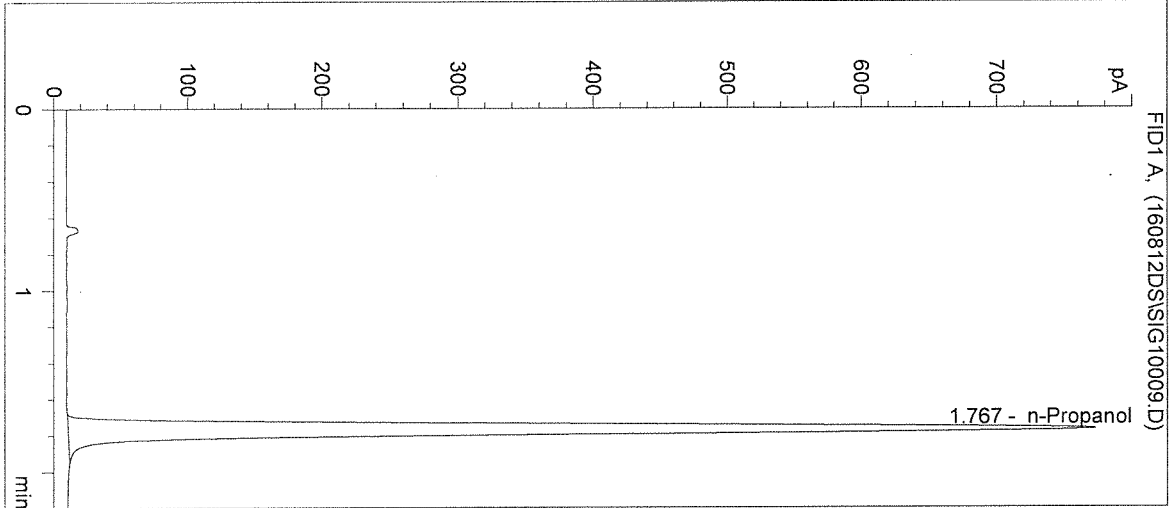
Operator: Dawn Sklerov

Column: DB-ALC1

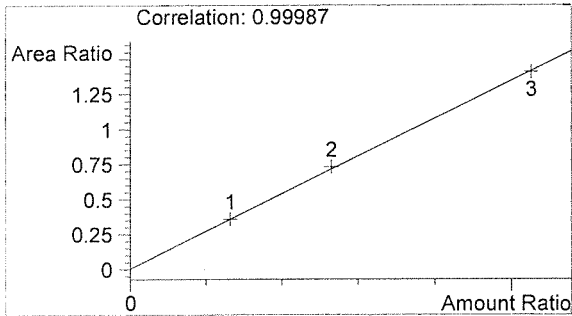
Location: Vial 9

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 16032

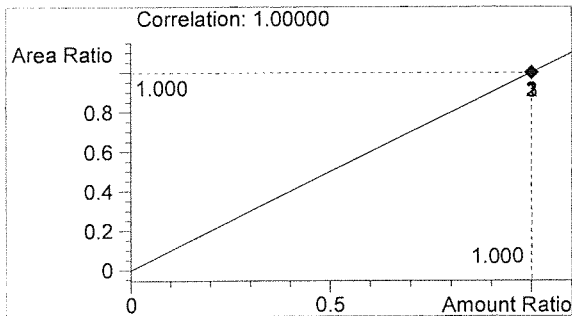


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2882	1.767



Ethanol 0.000 g/100mL

Handwritten initials



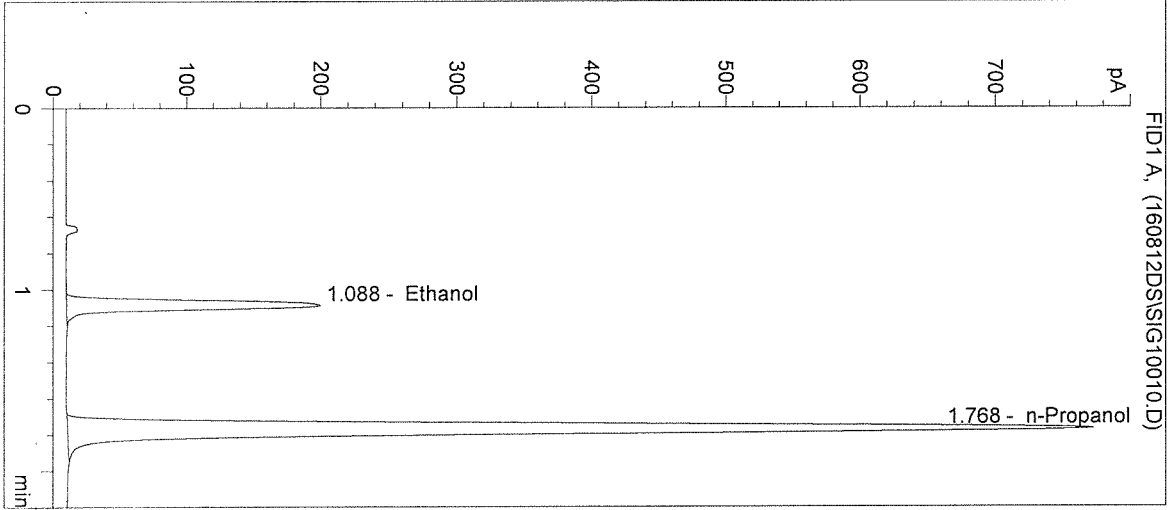
n-Propanol 0.012 g/100mL

Handwritten initials

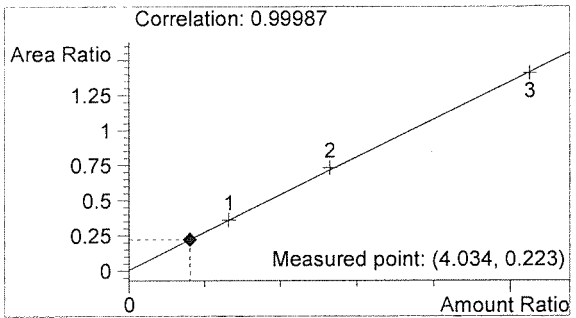
Inj. Date: 8/12/2016 10:39:39 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16032-1
 Operator: Dawn Sklerov
 Location: Vial 10

Sample Info:

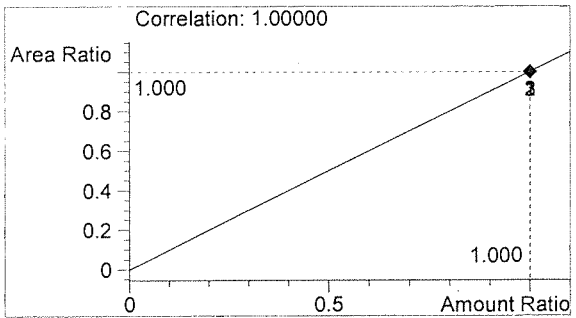


#	Compound	Peak Area	RT (min)
1	Ethanol	643	1.088
2	n-Propanol	2879	1.768



Ethanol 0.048 g/100mL

JS



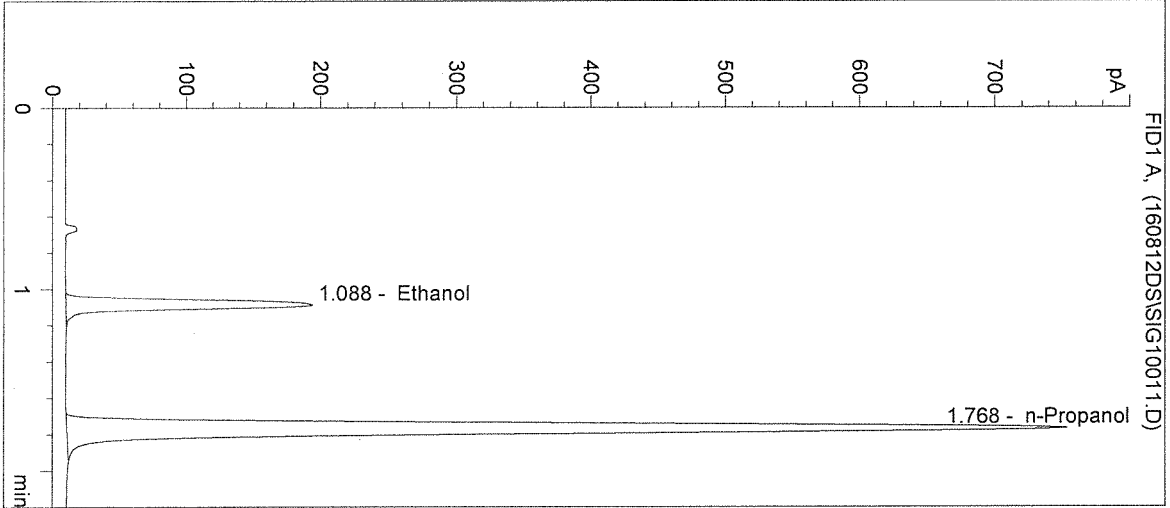
n-Propanol 0.012 g/100mL

JS

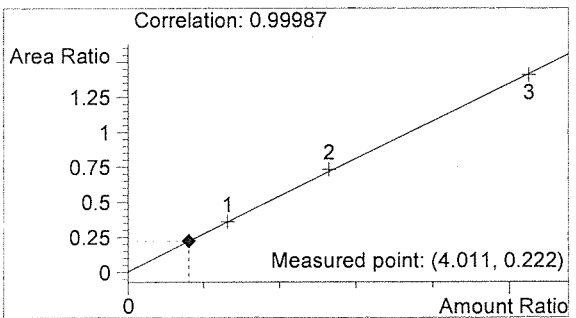
Inj. Date: 8/12/2016 10:42:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16032-2
Operator: Dawn Sklerov
Location: Vial 11

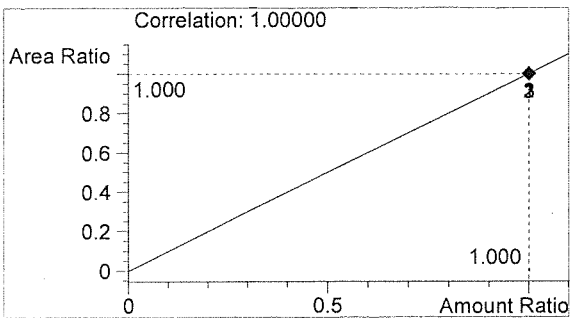
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	622	1.088
2	n-Propanol	2802	1.768



Ethanol 0.048 g/100mL



n-Propanol 0.012 g/100mL

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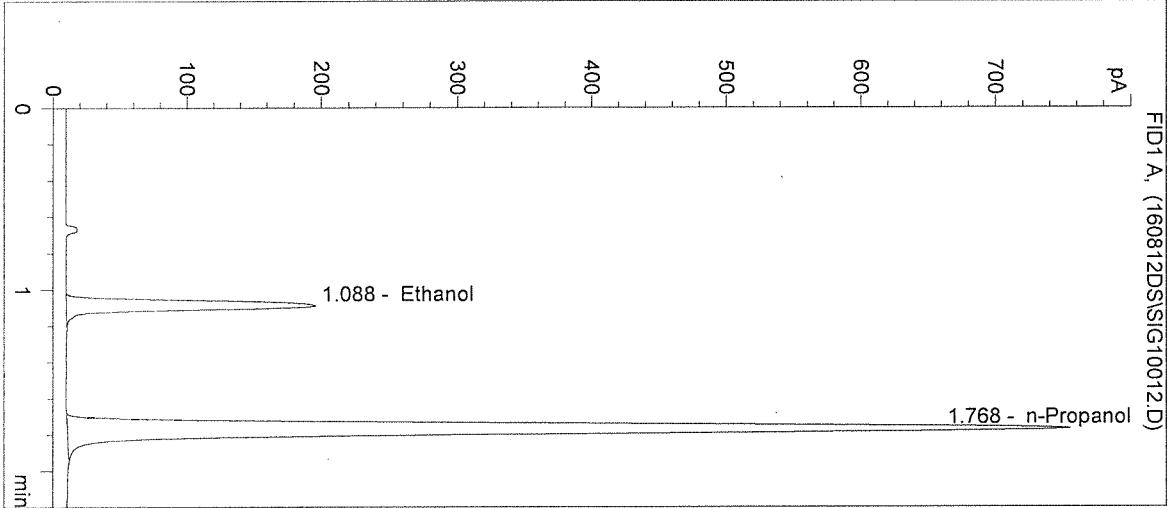
Handwritten initials 'AS'

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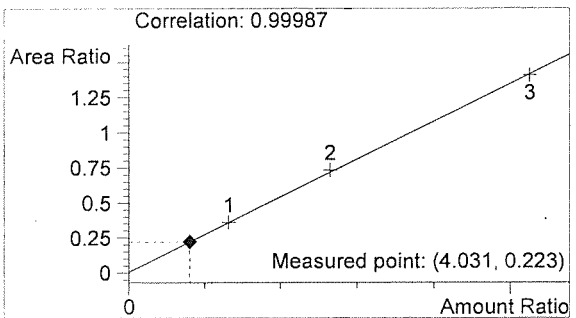
Inj. Date: 8/12/2016 10:46:05 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16032-3
 Operator: Dawn Sklerov
 Location: Vial 12

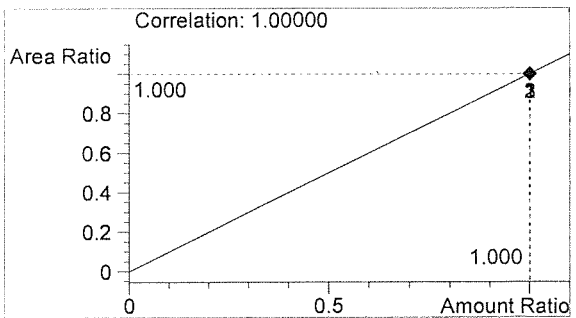
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	629	1.088
2	n-Propanol	2818	1.768



Ethanol 0.048 g/100mL



n-Propanol 0.012 g/100mL

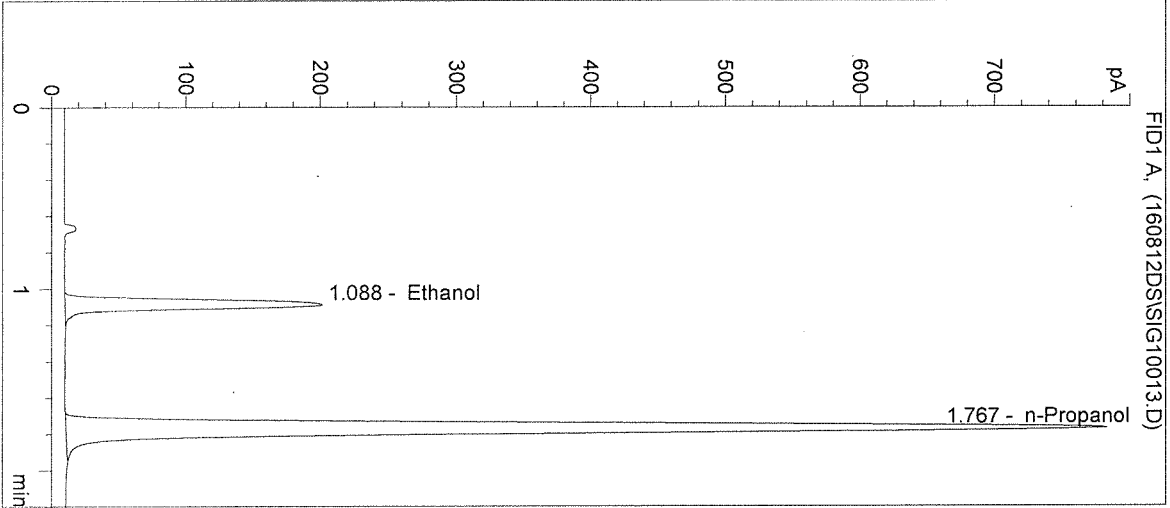
Handwritten signature

Handwritten initials

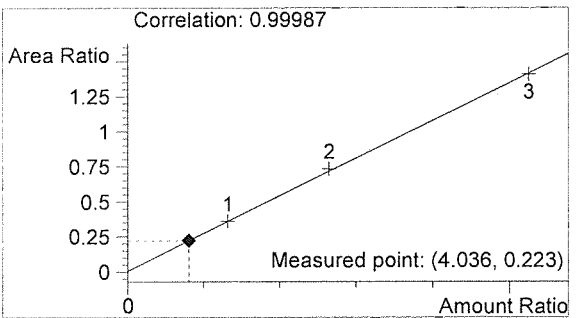
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Inj. Date: 8/12/2016 10:49:18 AM Sample Name: 16032-4
 Instrument: HSGC#1 Operator: Dawn Sklerov
 Column: DB-ALC1 Location: Vial 13
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

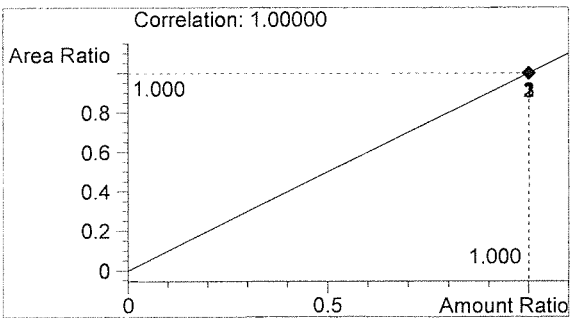
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	651	1.088
2	n-Propanol	2915	1.767



Ethanol 0.048 g/100mL



n-Propanol 0.012 g/100mL

JS

DS

Inj. Date: 8/12/2016 10:52:32 AM

Sample Name: 16032-5

Instrument: HSGC#1

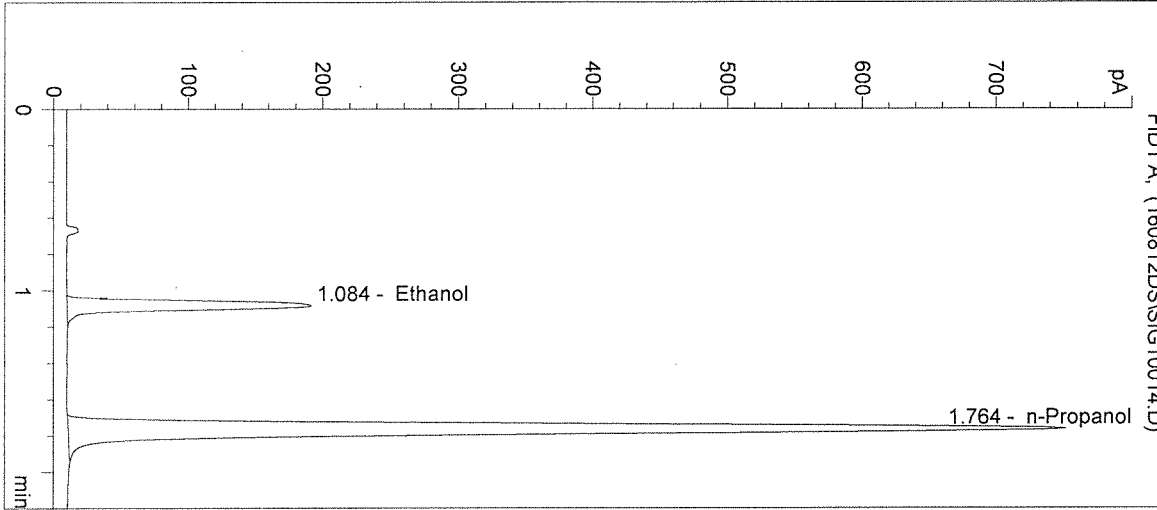
Operator: Dawn Sklerov

Column: DB-ALC1

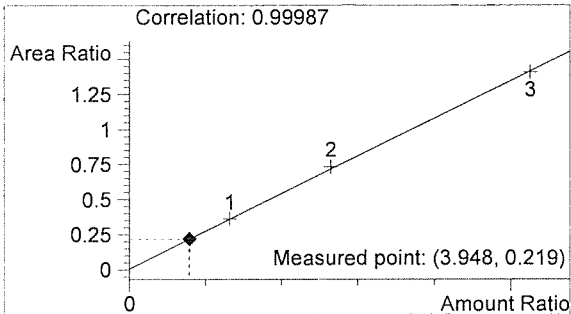
Location: Vial 14

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

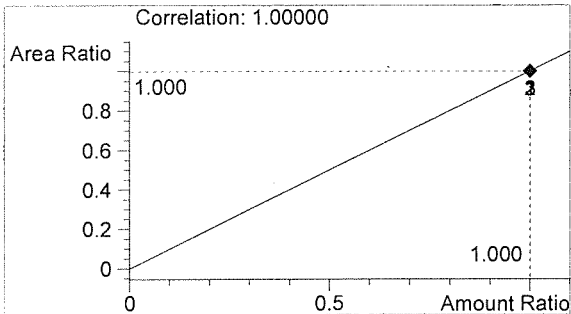
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	608	1.084
2	n-Propanol	2778	1.764



Ethanol 0.047 g/100mL



n-Propanol 0.012 g/100mL

fr

SS

Inj. Date: 8/12/2016 10:55:45 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

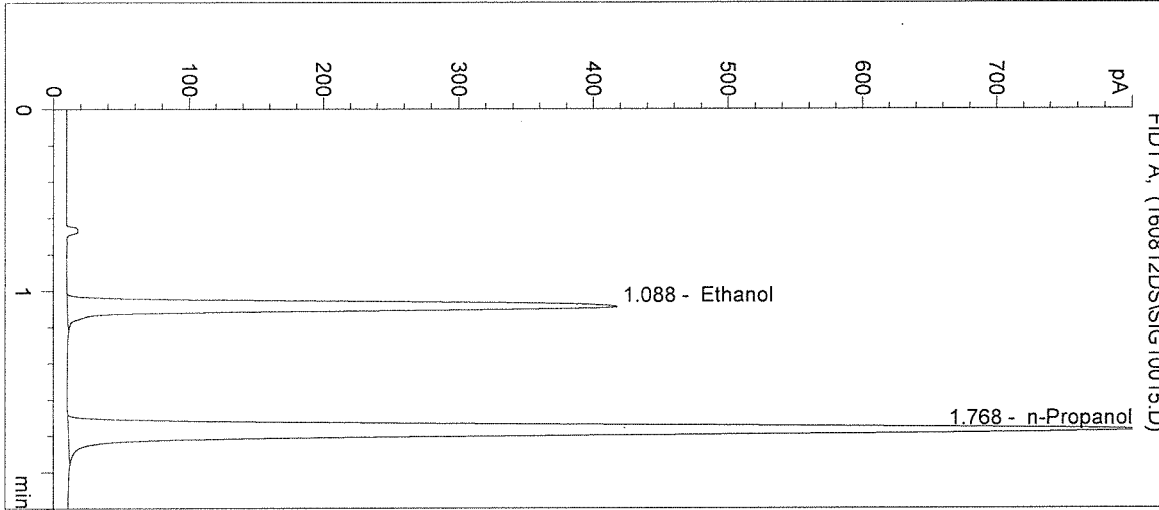
Operator: Dawn Sklerov

Column: DB-ALC1

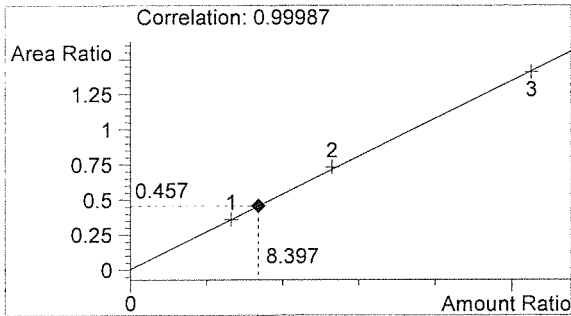
Location: Vial 15

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

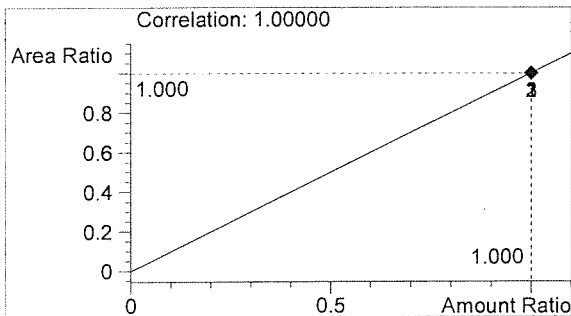
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1384	1.088
2	n-Propanol	3027	1.768



Ethanol 0.101 g/100mL

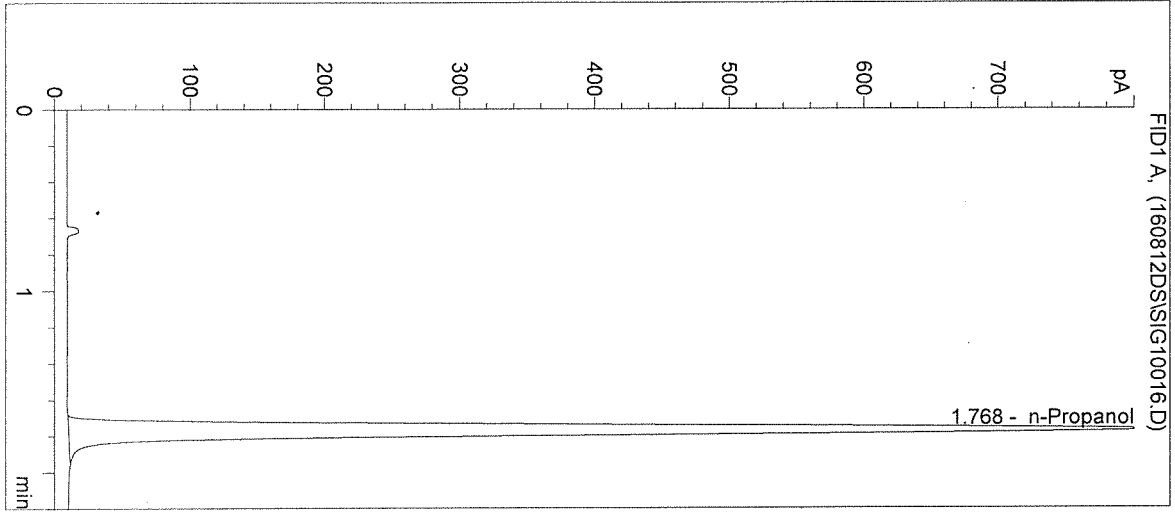


n-Propanol 0.012 g/100mL

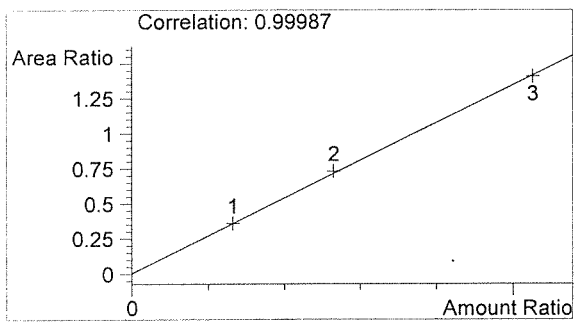
Handwritten signature

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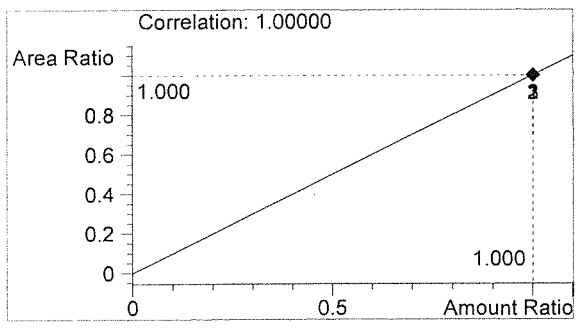
Inj. Date: 8/12/2016 10:58:58 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Dawn Sklerov
Column: DB-ALC1 Location: Vial 16
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3037	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Sequence Parameters:

Operator: David Nguyen
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 160819DN
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0416-01 - X: 10/01/16
 CAL 2: 0.158 g/100mL - Lot: E0416-02 - X: 10/01/16
 CAL 3: 0.316 g/100mL - Lot: E0416-03 - X: 10/01/16

 CTRL 1: 0.04 g/100mL - Lot: FN05011301 - X: 05/2018
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN03211401 - X: 06/2019

 n-Propanol ISTD - Lot: P0716 - X: 10/22/16

 Calibration vials 1-9 filed with 16032.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16032 #1	SIMALC1	1	Sample		
11	Vial 11	16032 #2	SIMALC1	1	Sample		
12	Vial 12	16032 #3	SIMALC1	1	Sample		
13	Vial 13	16032 #4	SIMALC1	1	Sample		
14	Vial 14	16032 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16033 #1	SIMALC1	1	Sample		
18	Vial 18	16033 #2	SIMALC1	1	Sample		
19	Vial 19	16033 #3	SIMALC1	1	Sample		
20	Vial 20	16033 #4	SIMALC1	1	Sample		
21	Vial 21	16033 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16034 #1	SIMALC1	1	Sample		

16032

fn23/16

DN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16034 #2	SIMALC1	1	Sample		
26	Vial 26	16034 #3	SIMALC1	1	Sample		
27	Vial 27	16034 #4	SIMALC1	1	Sample		
28	Vial 28	16034 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Replace	Replace	
3	Vial 3	CAL 2 (0.158)	SIMALC1	2	Replace	Replace	
4	Vial 4	CAL 3 (0.316)	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

16032

Instable

DN

=====
Calibration Table
=====

Calib. Data Modified : Friday, August 19, 2016 7:15:37 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.089	1 1	7.91100e-2	1110.14197	7.12612e-5	1 Ethanol
	2	1.59090e-1	2212.79663	7.18954e-5	
	3	3.15200e-1	4307.49561	7.31748e-5	
1.768	1 1	1.20000e-2	3088.15649	3.88581e-6	I1 n-Propanol
	2	1.20000e-2	3088.68872	3.88514e-6	
	3	1.20000e-2	3019.54687	3.97411e-6	

16032

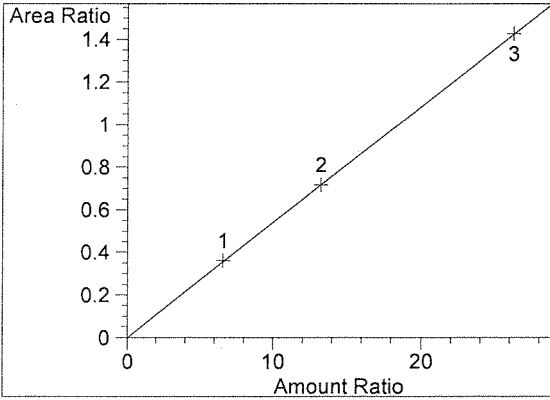
Just 3/16

=====
Peak Sum Table
=====

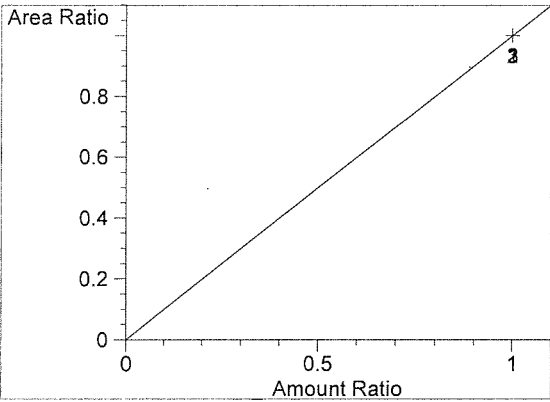
No Entries in table
=====

DN

=====
Calibration Curves
=====



Ethanol at exp. RT: 1.089
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00259
Formula: $y = mx + b$
m: 5.42744e-2
b: -1.28792e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.768
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

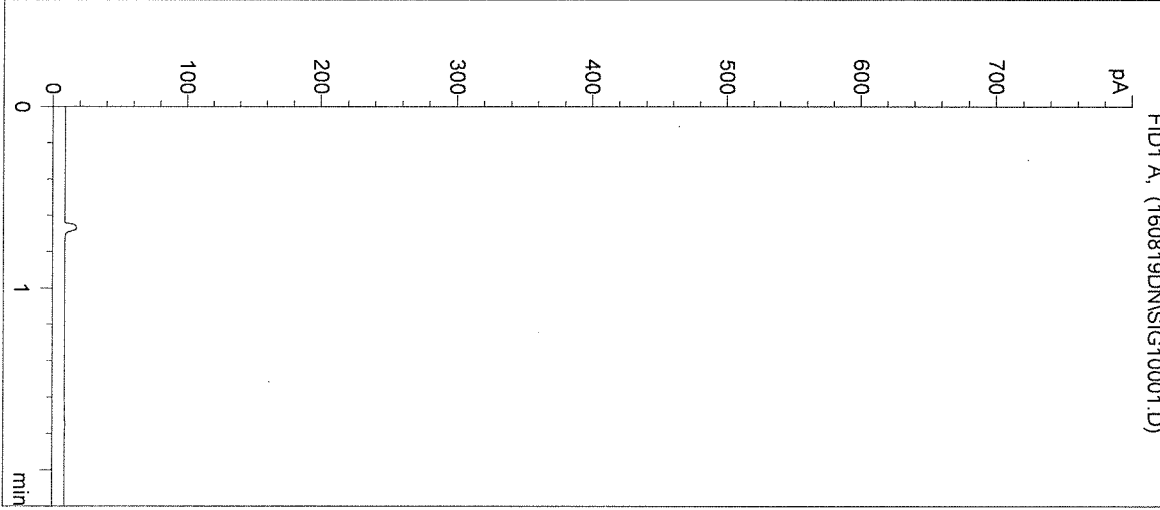
16032

Justin

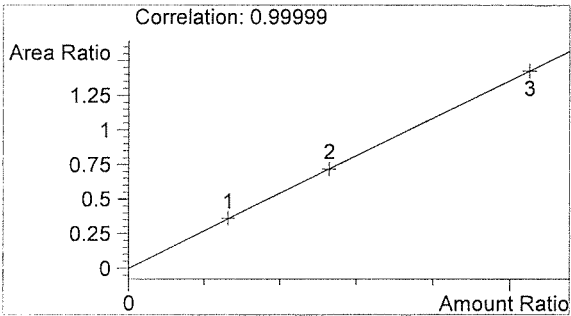
DN

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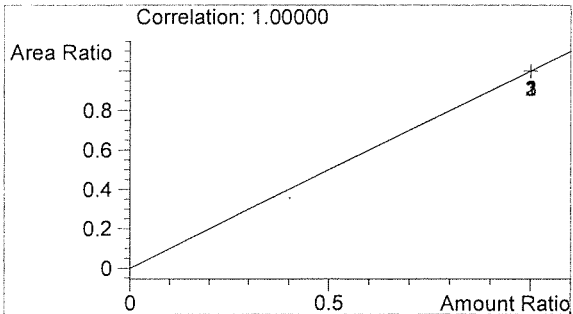
Inj. Date: 8/19/2016 7:03:31 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



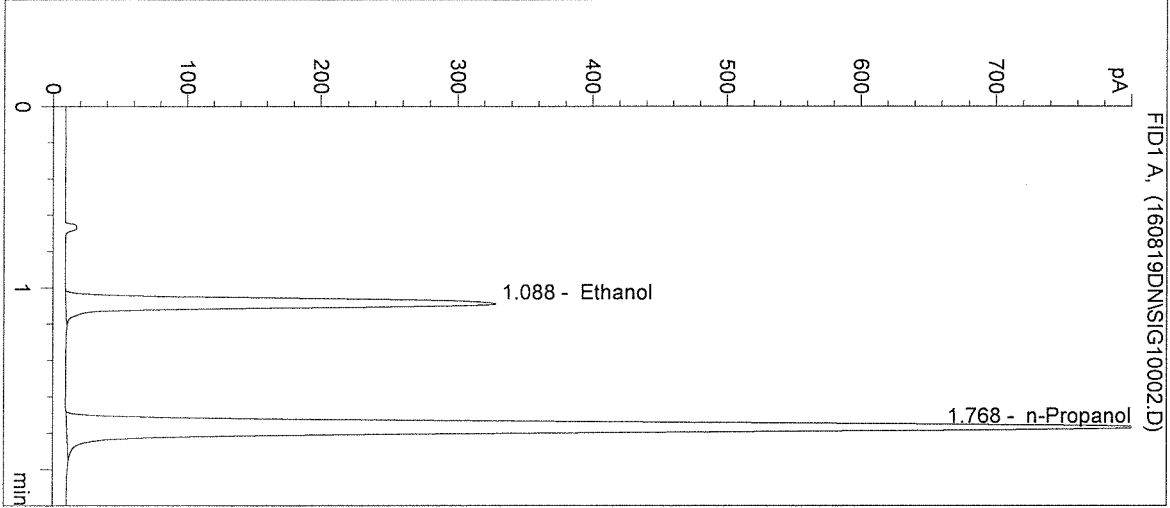
n-Propanol 0.000 g/100mL

DN

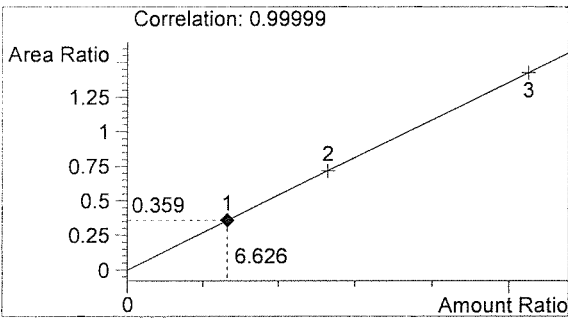
DN

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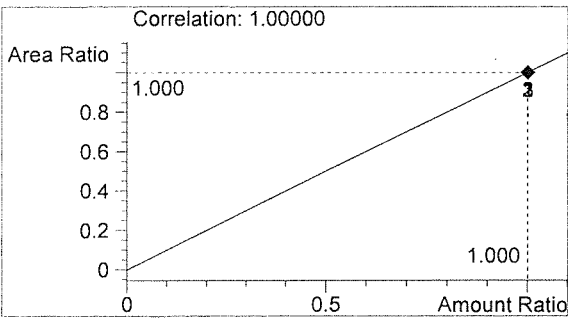
Inj. Date: 8/19/2016 7:06:50 AM Sample Name: CAL 1 (0.079)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 2
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 1: 0.079 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1110	1.088
2	n-Propanol	3088	1.768



Ethanol 0.080 g/100mL



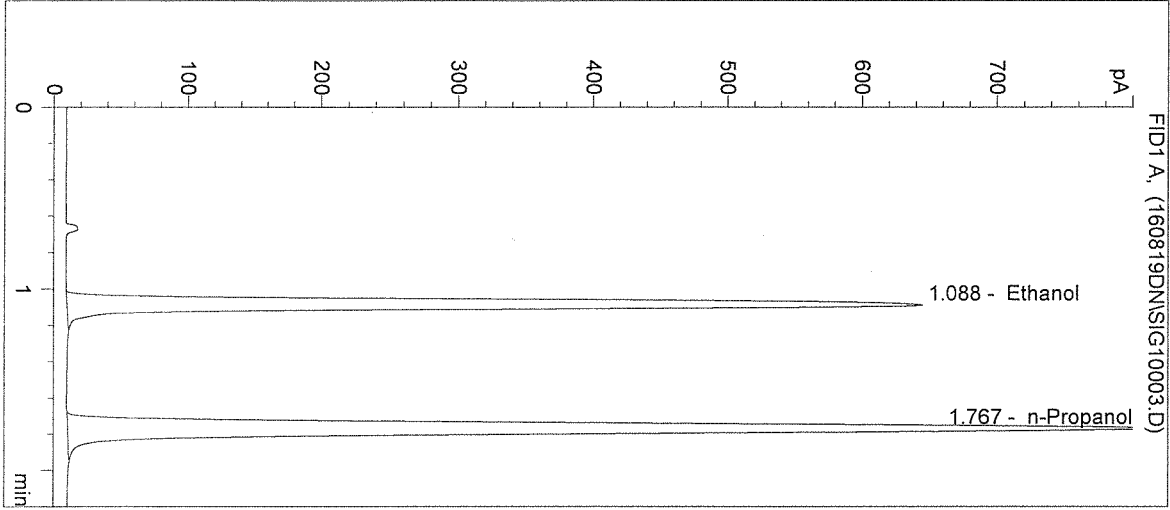
n-Propanol 0.012 g/100mL

Handwritten signature

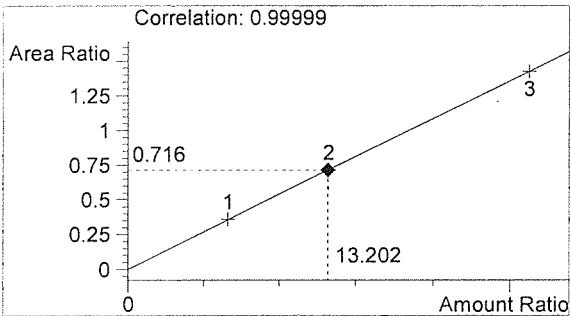
DN

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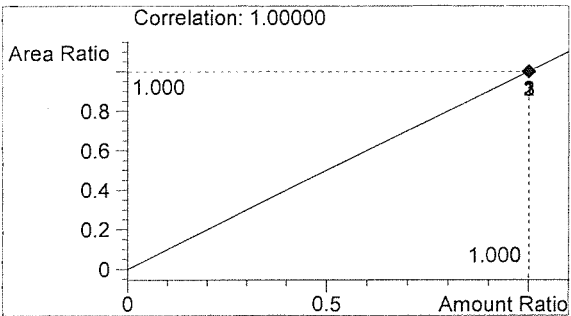
Inj. Date: 8/19/2016 7:10:07 AM Sample Name: CAL 2 (0.158)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 3
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 2: 0.158 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	2213	1.088
2	n-Propanol	3089	1.767



Ethanol 0.158 g/100mL



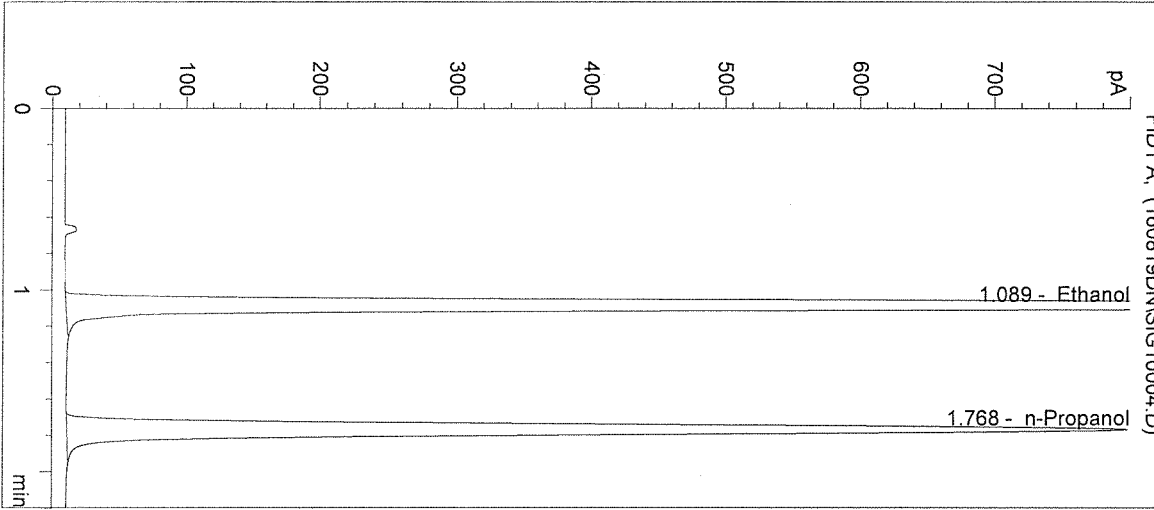
n-Propanol 0.012 g/100mL

fr

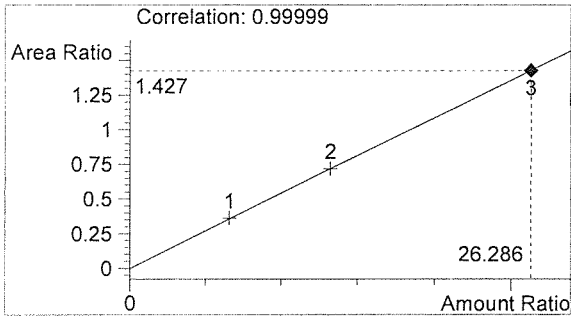
DN

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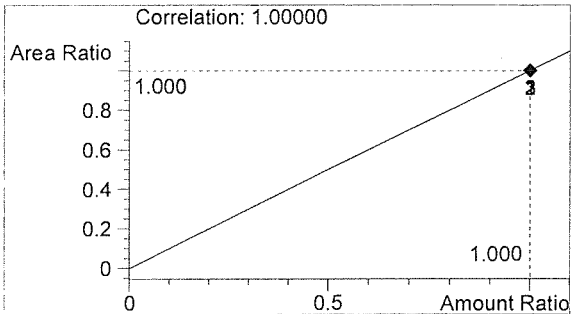
Inj. Date: 8/19/2016 7:13:24 AM Sample Name: CAL 3 (0.316)
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 4
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 3: 0.316 g/100mL
16032



#	Compound	Peak Area	RT (min)
1	Ethanol	4307	1.089
2	n-Propanol	3020	1.768



Ethanol 0.315 g/100mL



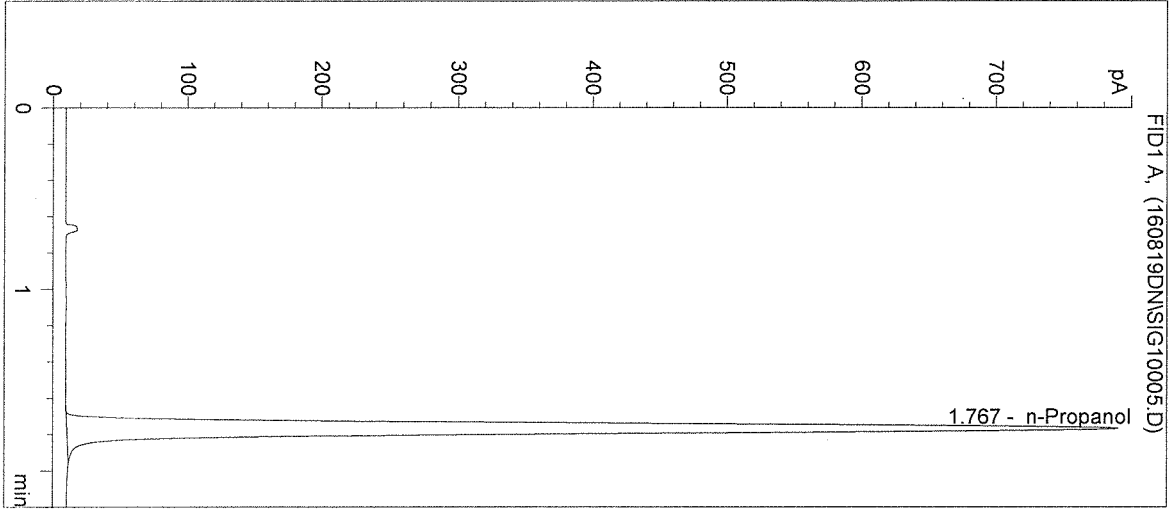
n-Propanol 0.012 g/100mL

Handwritten signature

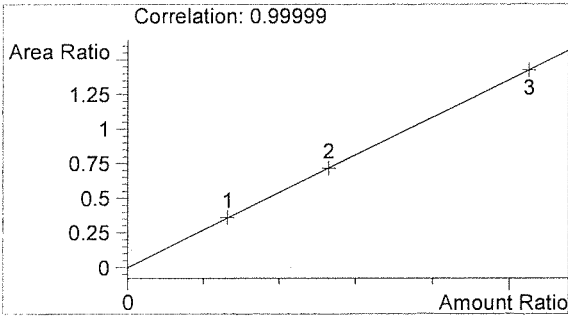
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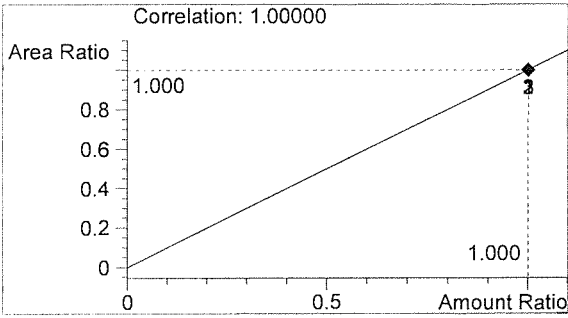
Inj. Date: 8/19/2016 7:16:37 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2992	1.767



Ethanol 0.000 g/100mL



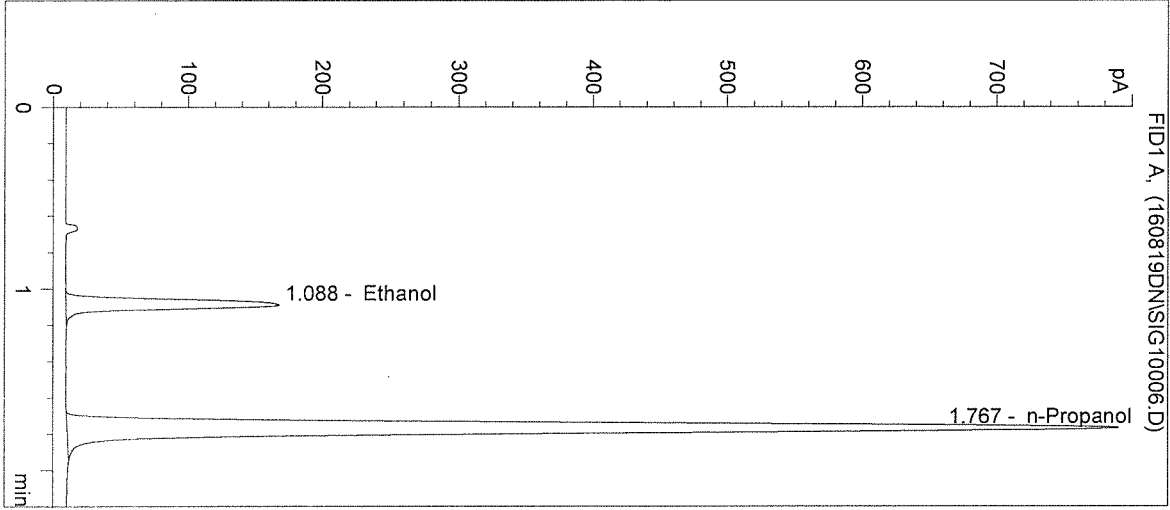
n-Propanol 0.012 g/100mL

Handwritten signature

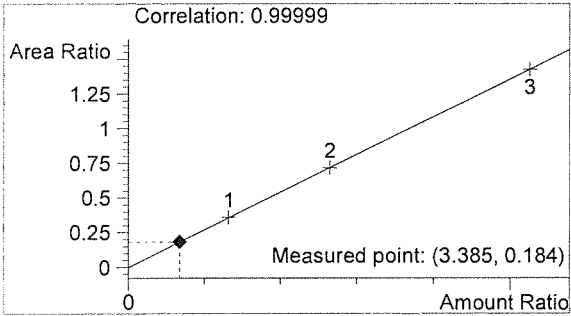
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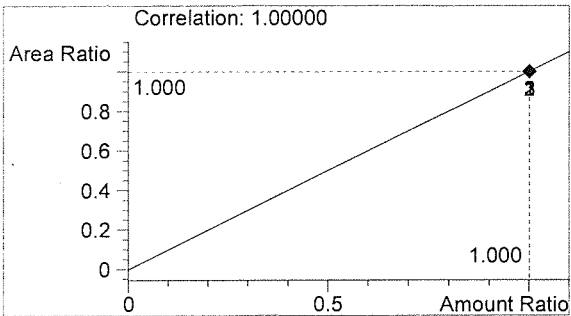
Inj. Date: 8/19/2016 7:19:50 AM Sample Name: CTRL 1 (0.04)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 6
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 1: 0.04 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	549	1.088
2	n-Propanol	2991	1.767



Ethanol 0.041 g/100mL



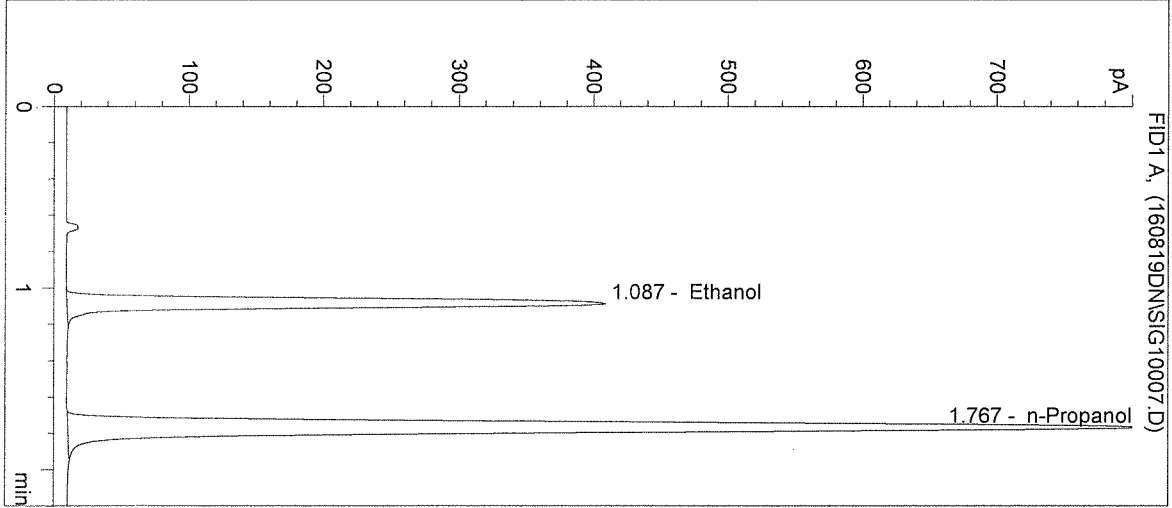
n-Propanol 0.012 g/100mL

Handwritten signature

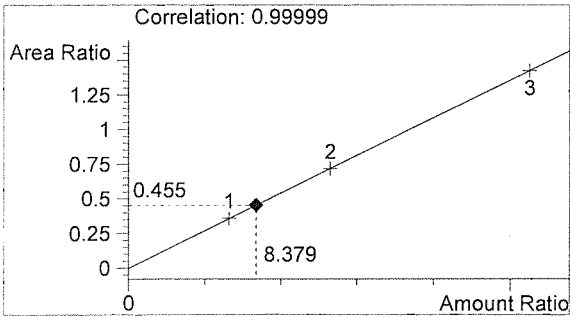
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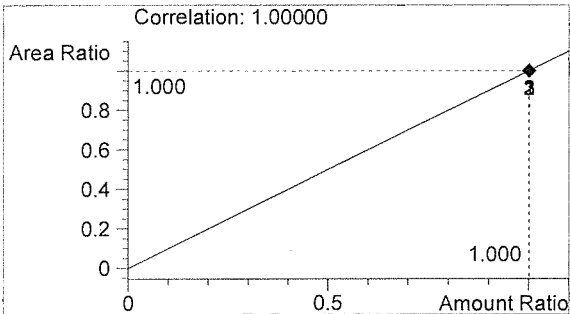
Inj. Date: 8/19/2016 7:23:04 AM Sample Name: CTRL 2 (0.10)
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 7
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 2: 0.10 g/100mL
16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1387	1.087
2	n-Propanol	3051	1.767



Ethanol 0.101 g/100mL



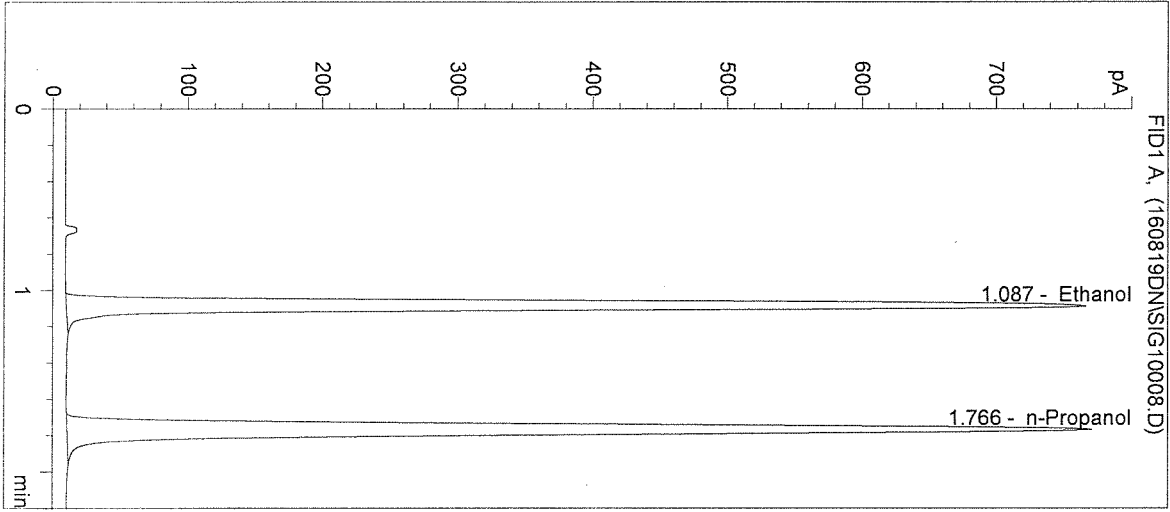
n-Propanol 0.012 g/100mL

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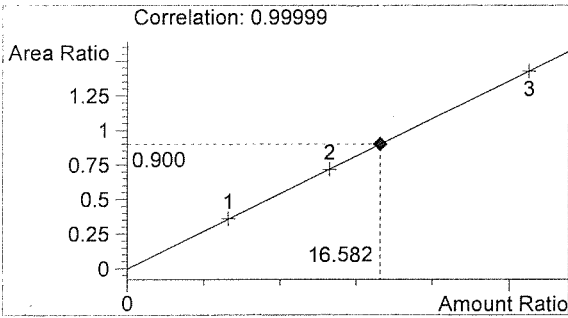
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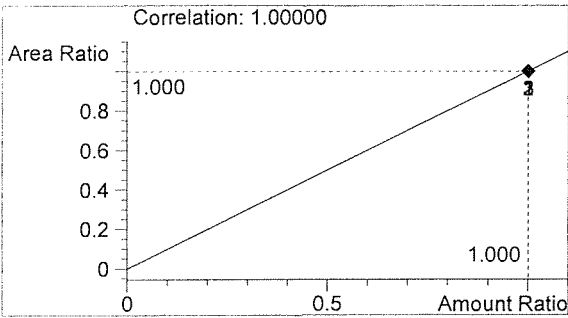
Inj. Date: 8/19/2016 7:26:16 AM Sample Name: CTRL 3 (0.20)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 8
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 3: 0.20 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	2616	1.087
2	n-Propanol	2907	1.766



Ethanol 0.199 g/100mL



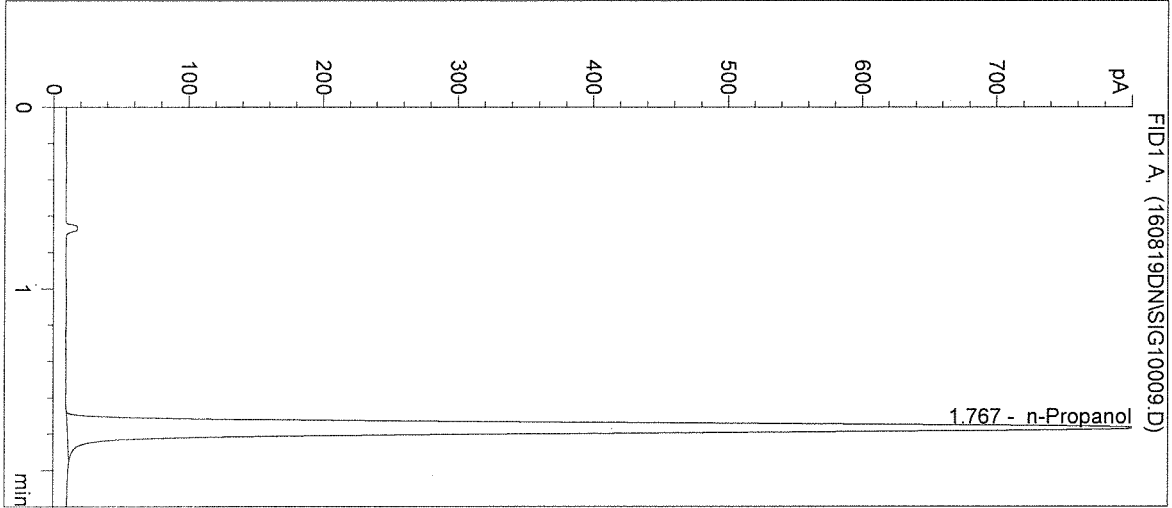
n-Propanol 0.012 g/100mL

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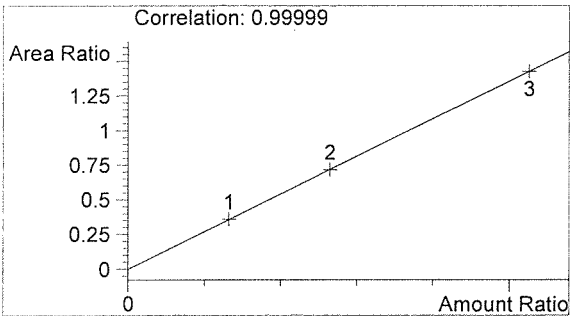
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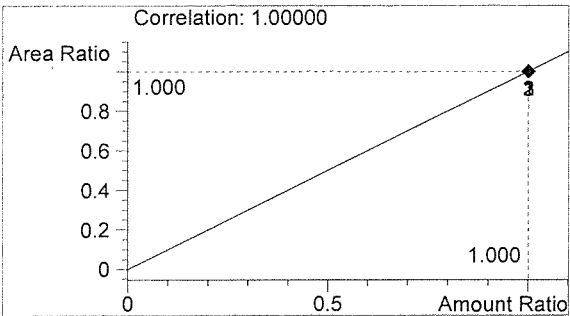
Inj. Date: 8/19/2016 7:29:30 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3084	1.767



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 7:32:43 AM

Sample Name: 16032 #1

Instrument: HSGC#1

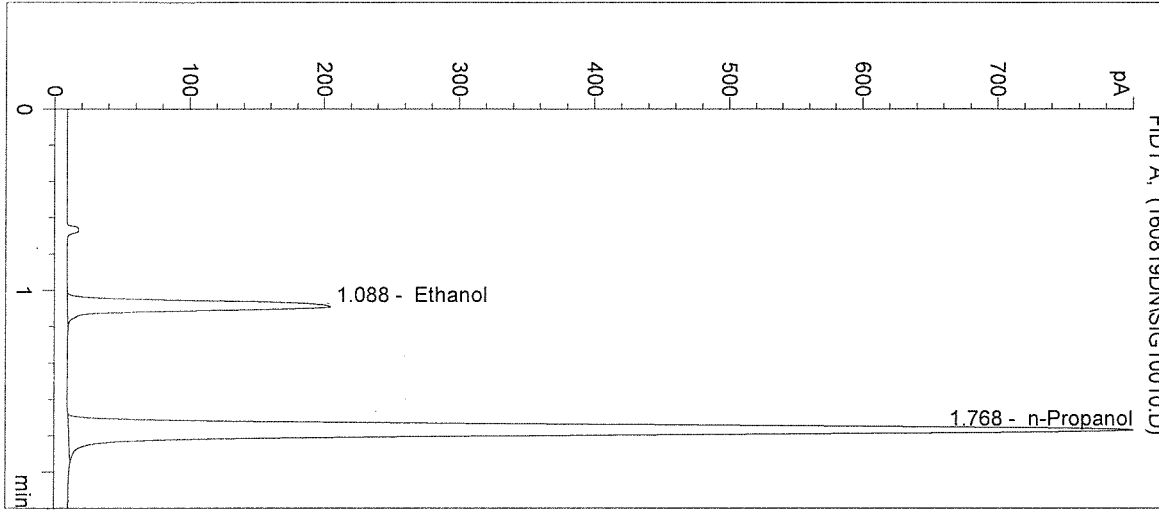
Operator: David Nguyen

Column: DB-ALC1

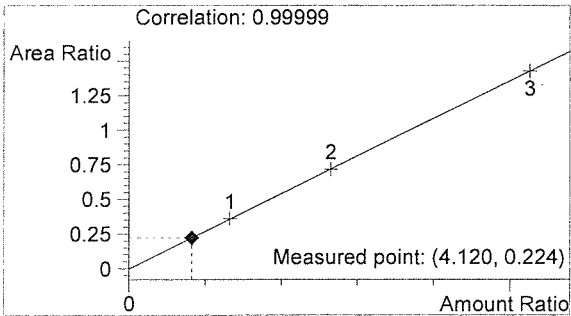
Location: Vial 10

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

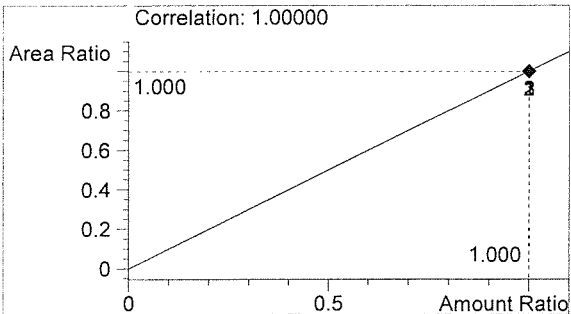
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	678	1.088
2	n-Propanol	3034	1.768



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 7:35:57 AM

Sample Name: 16032 #2

Instrument: HSGC#1

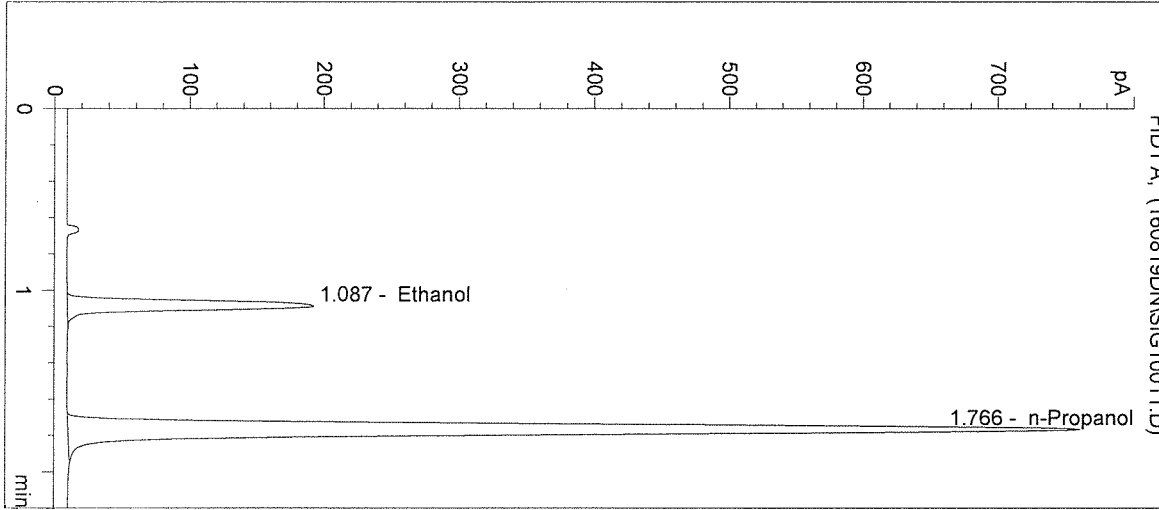
Operator: David Nguyen

Column: DB-ALC1

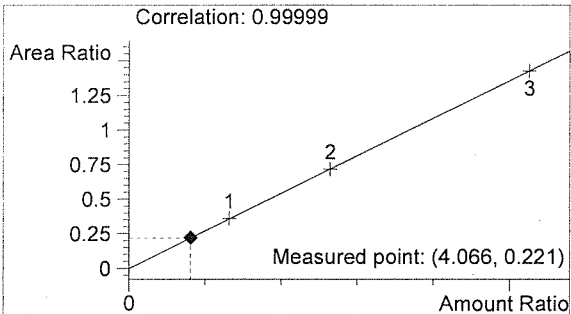
Location: Vial 11

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

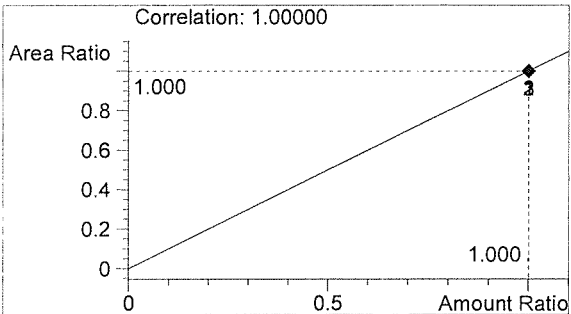
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	632	1.087
2	n-Propanol	2868	1.766



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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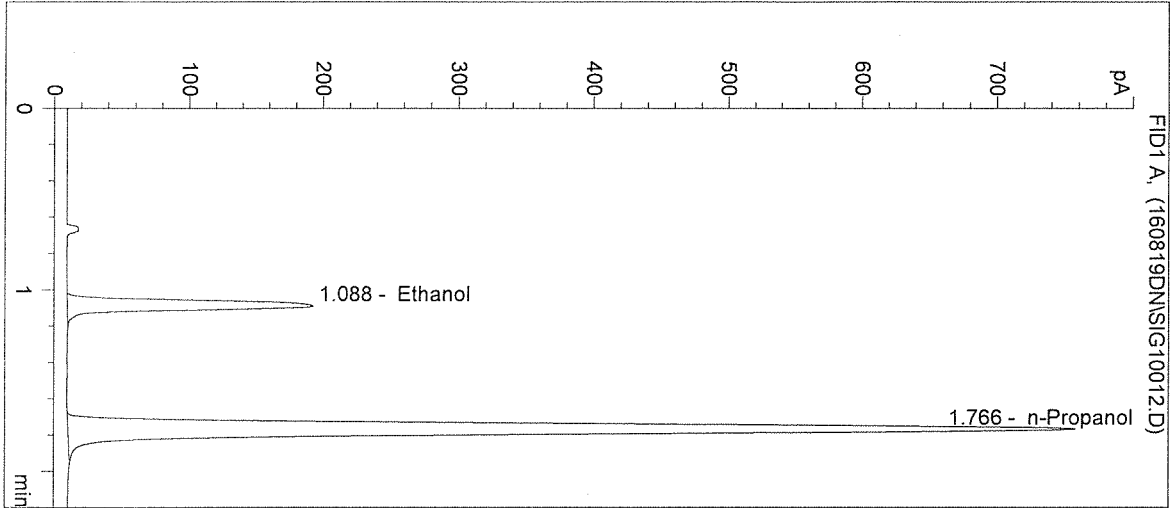
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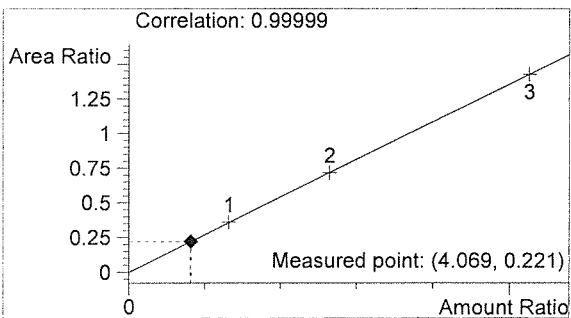
Inj. Date: 8/19/2016 7:39:09 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16032 #3
Operator: David Nguyen
Location: Vial 12

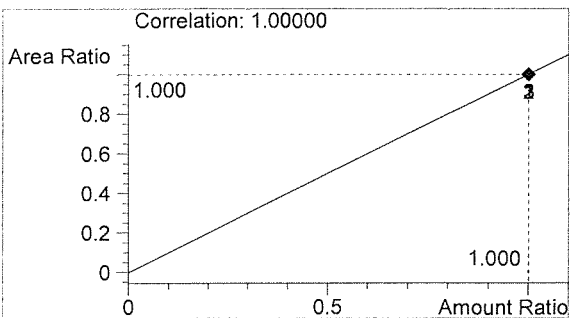
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	632	1.088
2	n-Propanol	2862	1.766



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 7:42:23 AM

Sample Name: 16032 #4

Instrument: HSGC#1

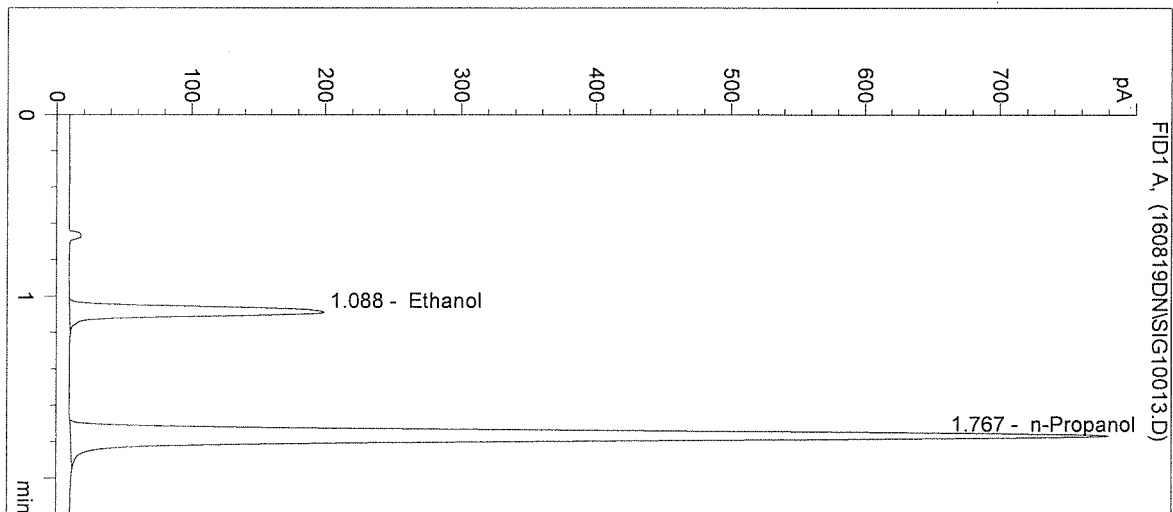
Operator: David Nguyen

Column: DB-ALC1

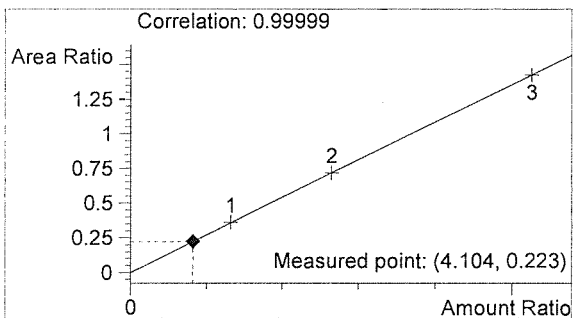
Location: Vial 13

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

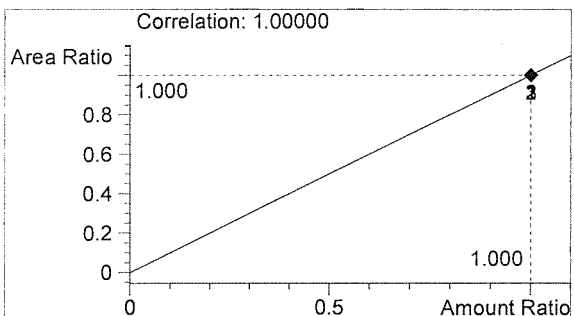
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	656	1.088
2	n-Propanol	2947	1.767



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 7:45:36 AM

Sample Name: 16032 #5

Instrument: HSGC#1

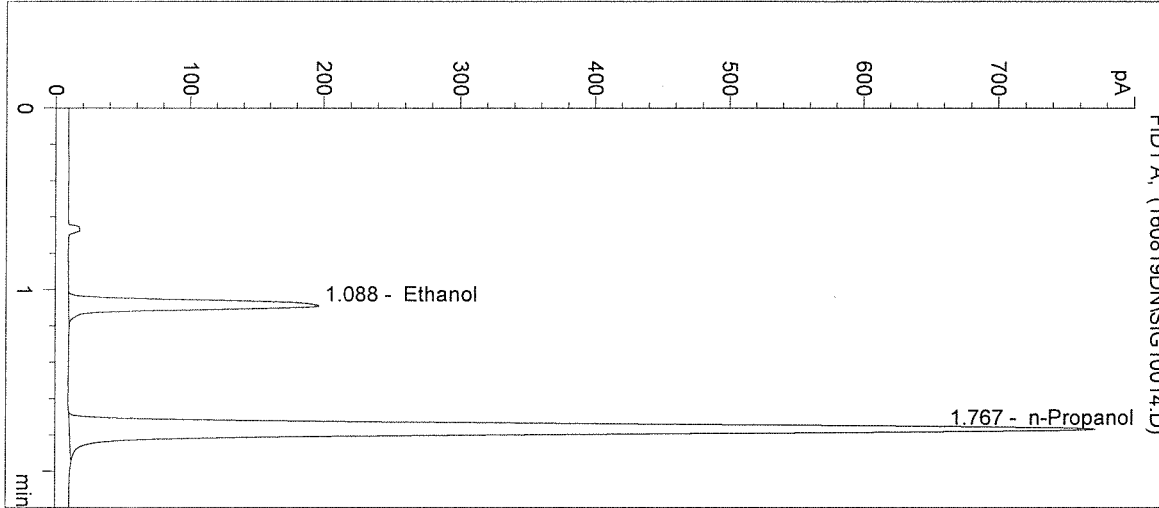
Operator: David Nguyen

Column: DB-ALC1

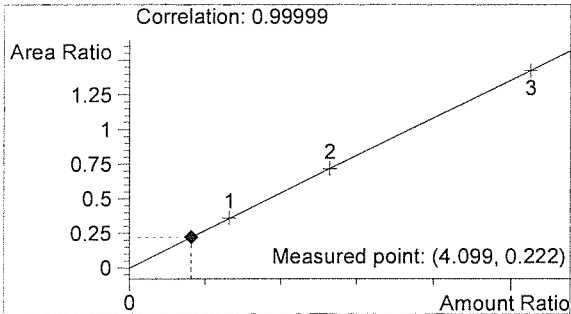
Location: Vial 14

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

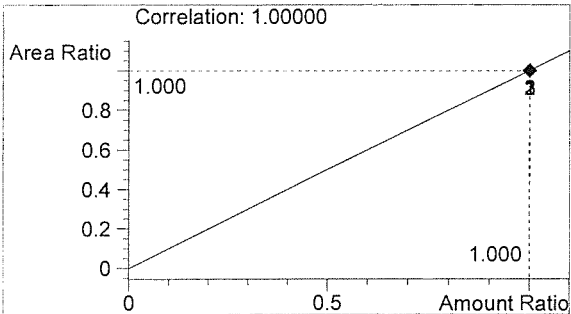
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	648	1.088
2	n-Propanol	2914	1.767



Ethanol 0.049 g/100mL



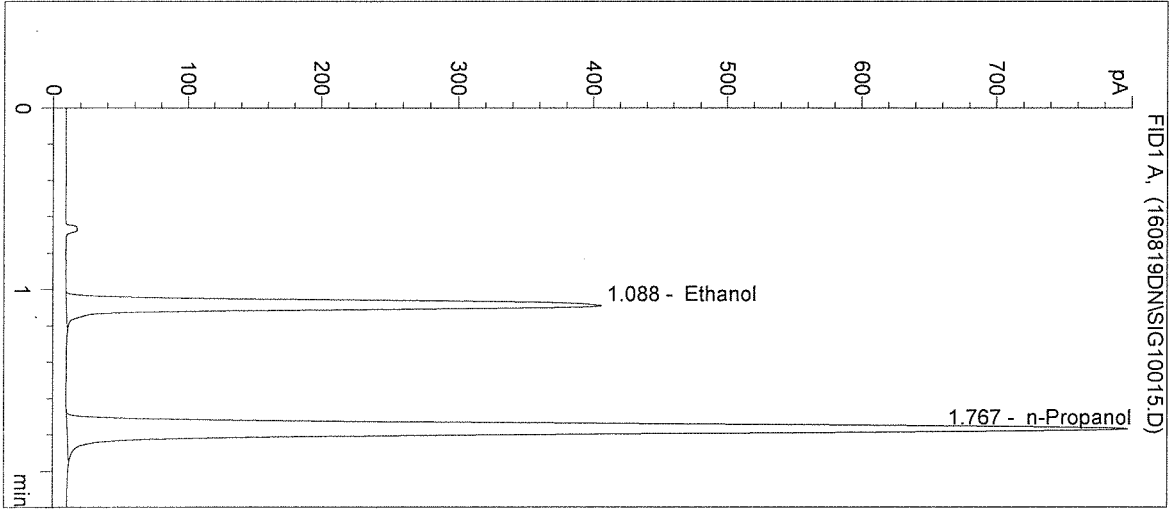
n-Propanol 0.012 g/100mL

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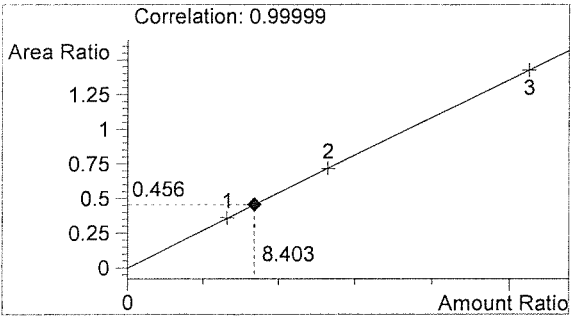
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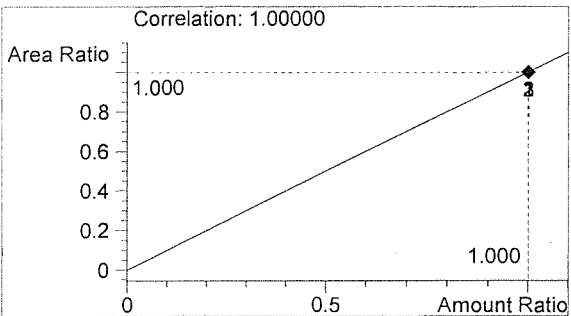
Inj. Date: 8/19/2016 7:48:50 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 15
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1376	1.088
2	n-Propanol	3017	1.767



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

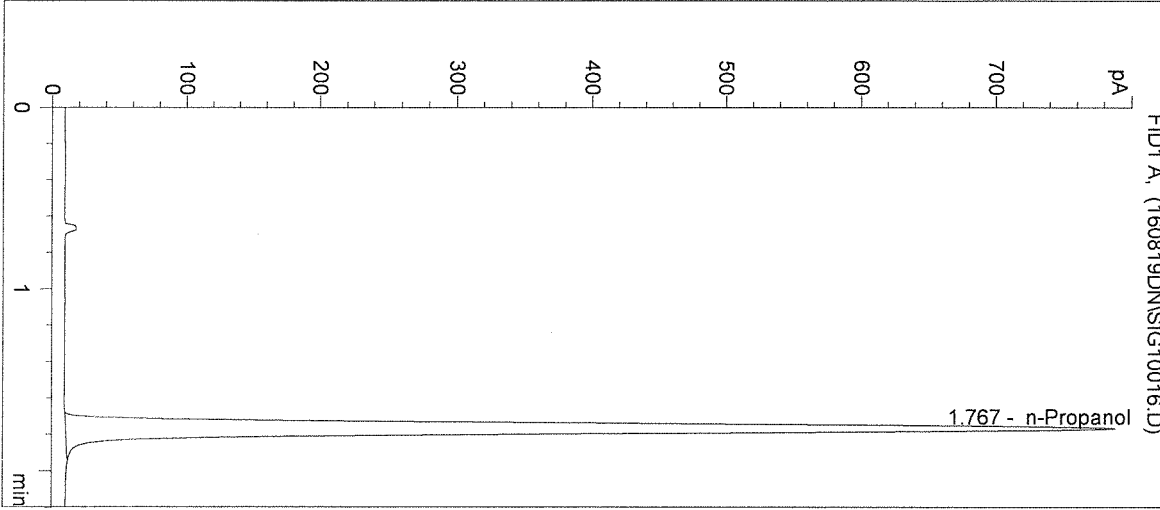
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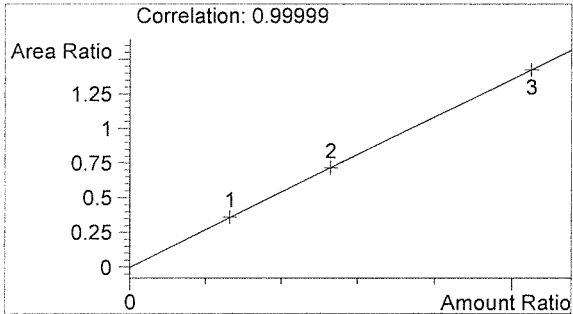
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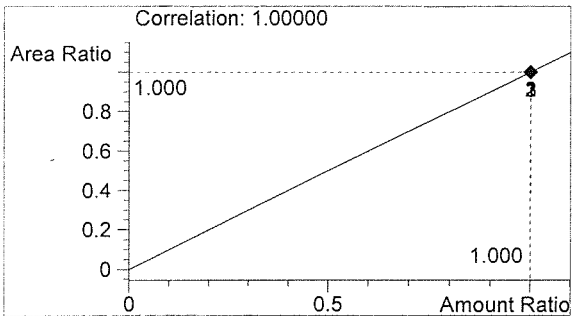
Inj. Date: 8/19/2016 7:52:03 AM Sample Name: NEG CTRL
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 16
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2976	1.767



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Sequence Parameters:

Operator: Andrew Gingras
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 160819AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0416-01 - X: 10/01/16
 CAL 2: 0.158 g/100mL - Lot: E0416-02 - X: 10/01/16
 CAL 3: 0.316 g/100mL - Lot: E0416-03 - X: 10/01/16

 CTRL 1: 0.04 g/100mL - Lot: FN05011301 - X: 05/2018
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN03211401 - X: 06/2019

 n-Propanol ISTD - Lot: P0716 - X: 10/22/16

 Calibration vials 1-9 filed with 16032.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16032 #1	SIMALC1	1	Sample		
11	Vial 11	16032 #2	SIMALC1	1	Sample		
12	Vial 12	16032 #3	SIMALC1	1	Sample		
13	Vial 13	16032 #4	SIMALC1	1	Sample		
14	Vial 14	16032 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16033 #1	SIMALC1	1	Sample		
18	Vial 18	16033 #2	SIMALC1	1	Sample		
19	Vial 19	16033 #3	SIMALC1	1	Sample		
20	Vial 20	16033 #4	SIMALC1	1	Sample		
21	Vial 21	16033 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16034 #1	SIMALC1	1	Sample		

16032
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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16034 #2	SIMALC1	1	Sample		
26	Vial 26	16034 #3	SIMALC1	1	Sample		
27	Vial 27	16034 #4	SIMALC1	1	Sample		
28	Vial 28	16034 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Replace		Replace		
3	Vial 3	CAL 2 (0.158)	SIMALC1	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16032

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Calibration Table
=====

Calib. Data Modified : Friday, August 19, 2016 10:47:11 AM
Calculate : Internal Standard
Based on : Peak Area
Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing
Curve Type : Linear
Origin : Included
Weight : Equal
Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp Name
1.086	1 1	7.91100e-2	1127.38354	7.01713e-5	1	Ethanol
	2	1.59090e-1	2400.91504	6.62622e-5		
	3	3.15200e-1	4762.85205	6.61788e-5		
1.764	1 1	1.20000e-2	3175.54883	3.77887e-6	I1	n-Propanol
	2	1.20000e-2	3441.51611	3.48684e-6		
	3	1.20000e-2	3447.40601	3.48088e-6		

16032

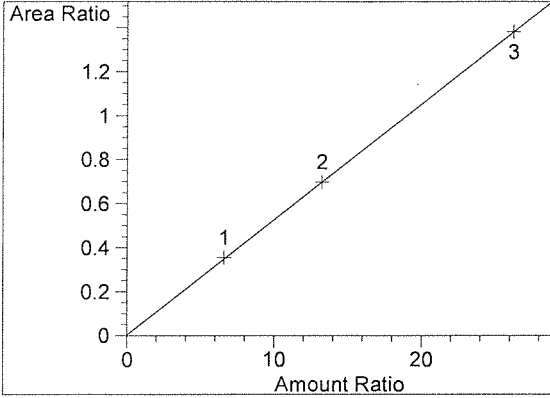
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Peak Sum Table
=====

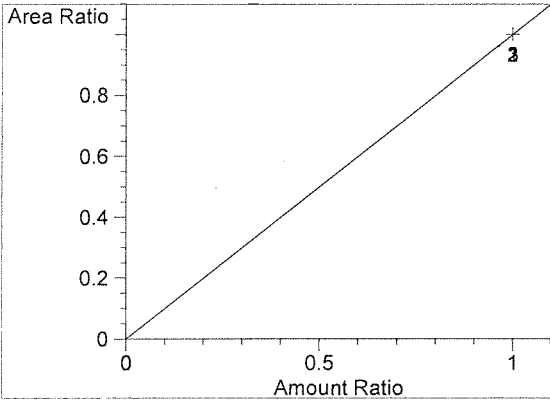
No Entries in table
=====

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Calibration Curves
=====



Ethanol at exp. RT: 1.086
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00478
Formula: $y = mx + b$
m: 5.24914e-2
b: 3.37537e-3
x: Amount Ratio
y: Area Ratio



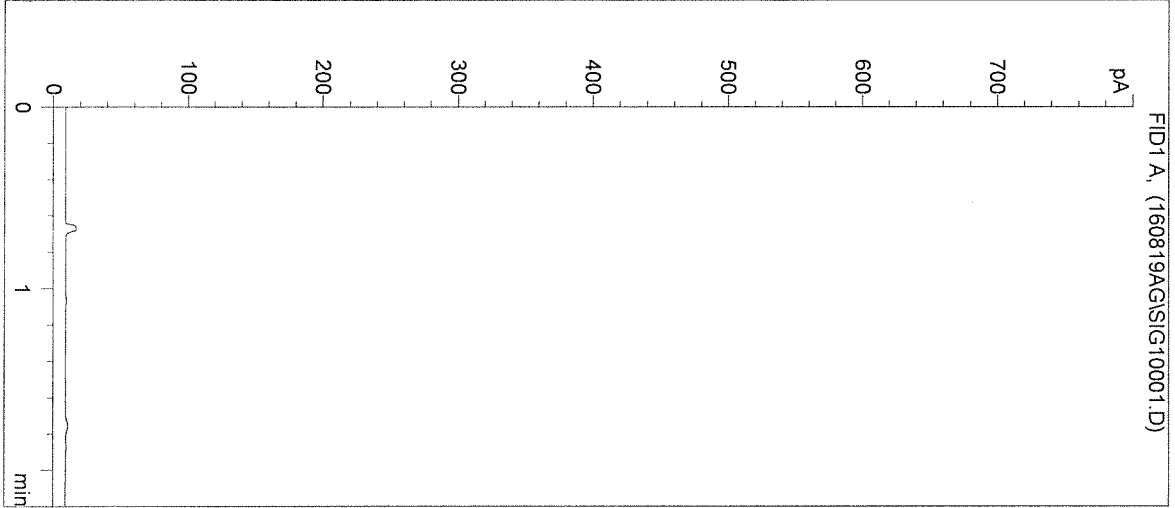
n-Propanol at exp. RT: 1.764
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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16032

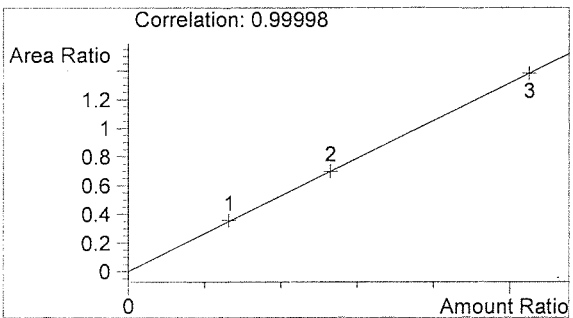
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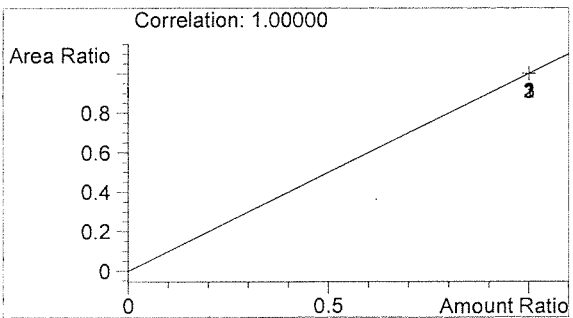
Inj. Date: 8/19/2016 10:35:05 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

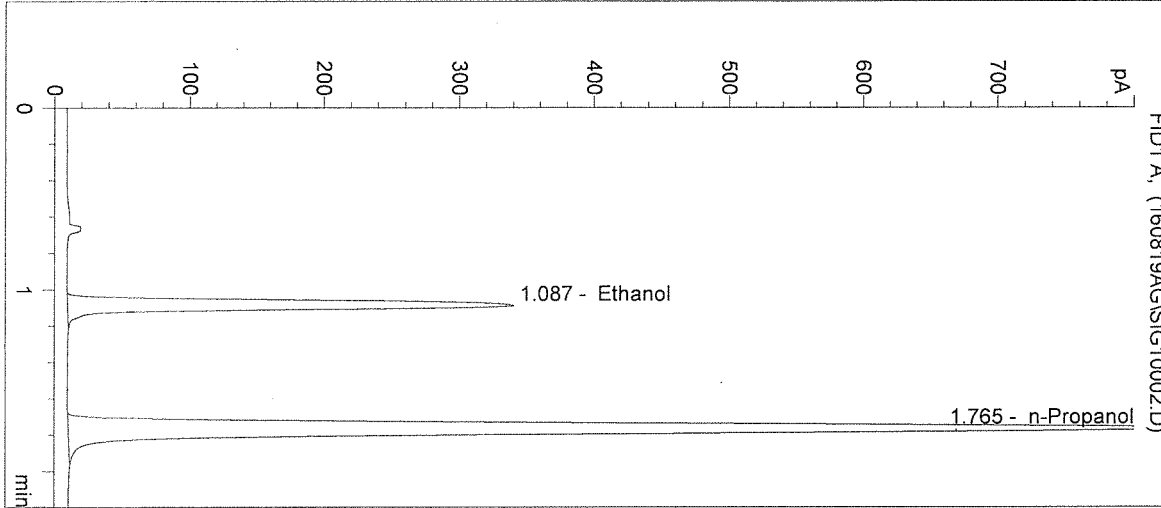
AG

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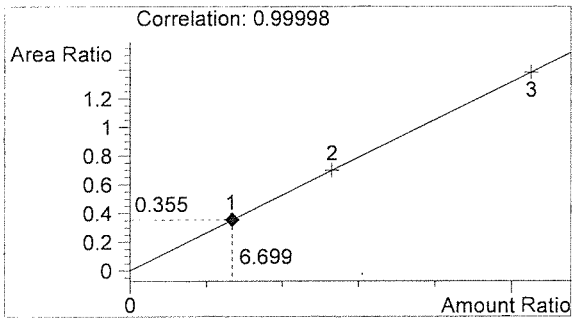
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Inj. Date: 8/19/2016 10:38:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 1: 0.079 g/100mL
16032

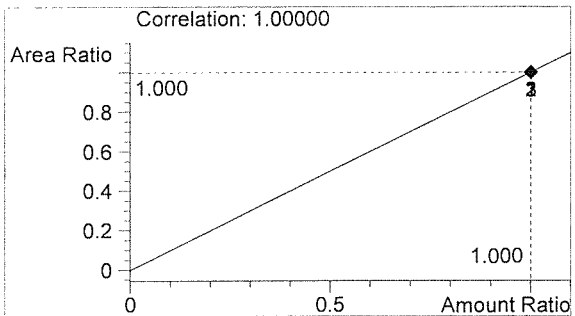
Sample Name: CAL 1 (0.079)
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1127	1.087
2	n-Propanol	3176	1.765



Ethanol 0.080 g/100mL



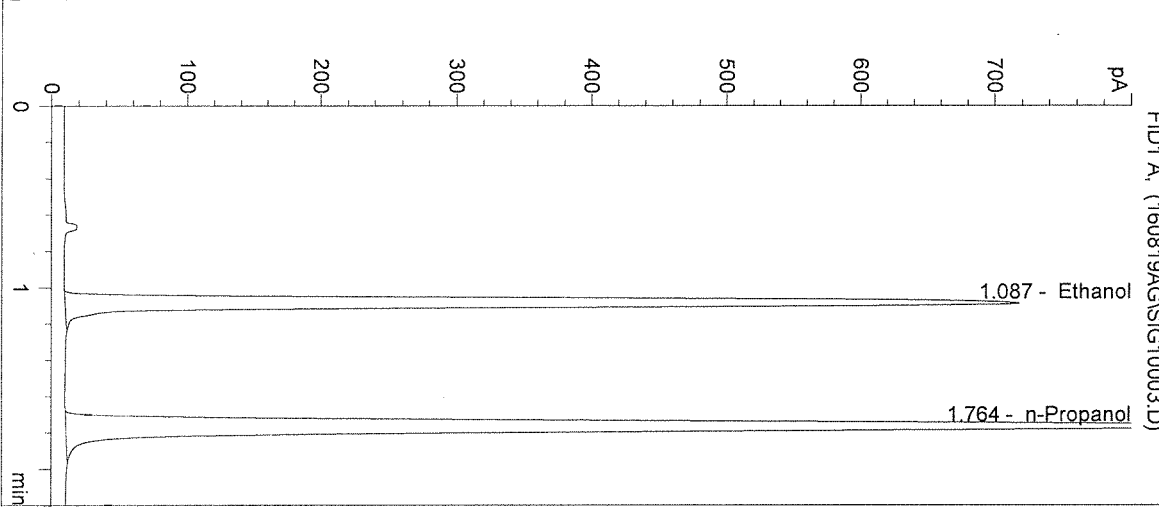
n-Propanol 0.012 g/100mL

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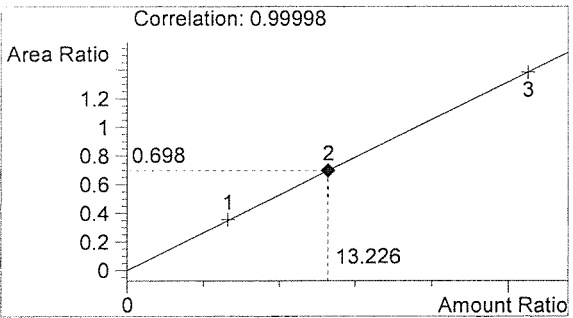
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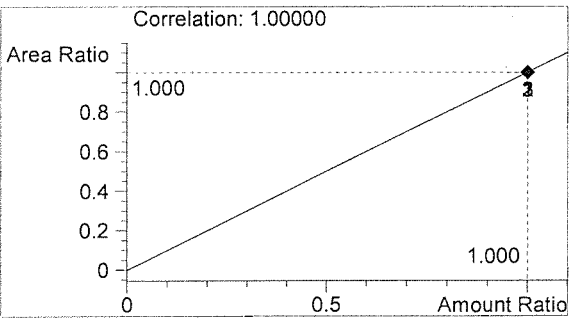
Inj. Date: 8/19/2016 10:41:41 AM Sample Name: CAL 2 (0.158)
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 3
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 2: 0.158 g/100mL
16032



#	Compound	Peak Area	RT (min)
1	Ethanol	2401	1.087
2	n-Propanol	3442	1.764



Ethanol 0.159 g/100mL



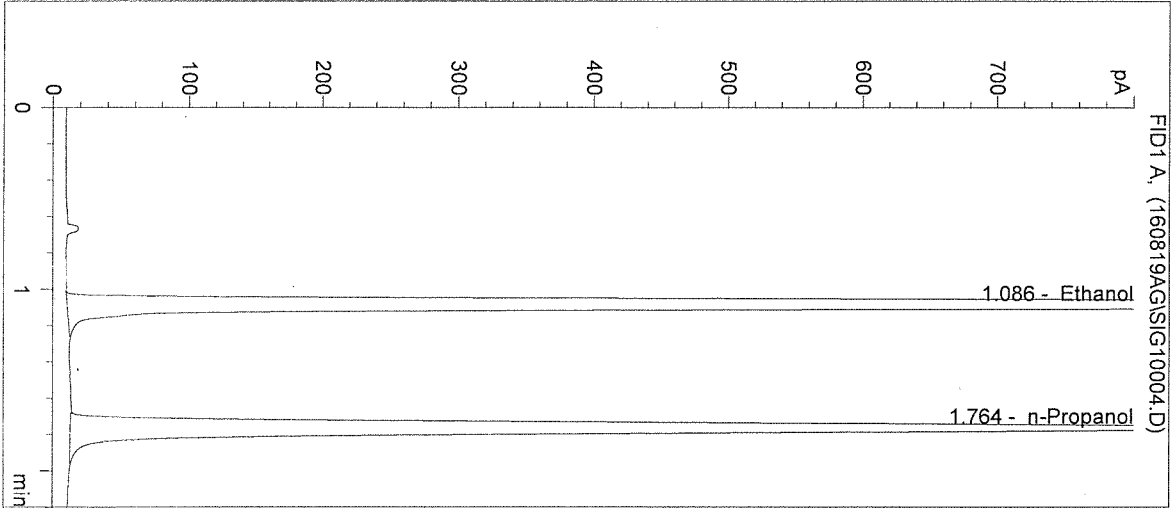
n-Propanol 0.012 g/100mL

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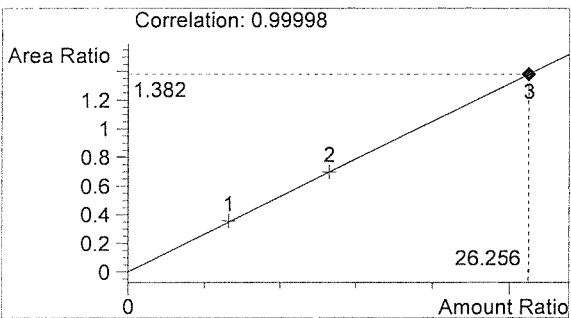
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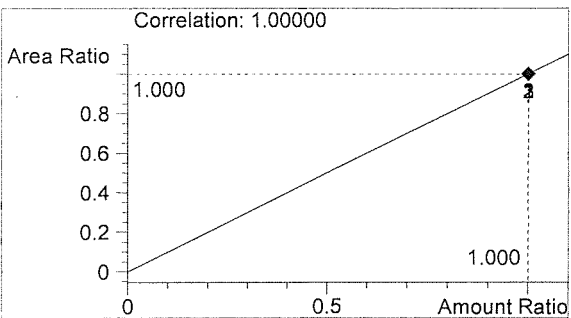
Inj. Date: 8/19/2016 10:44:58 AM Sample Name: CAL 3 (0.316)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 4
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 3: 0.316 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	4763	1.086
2	n-Propanol	3447	1.764



Ethanol 0.315 g/100mL



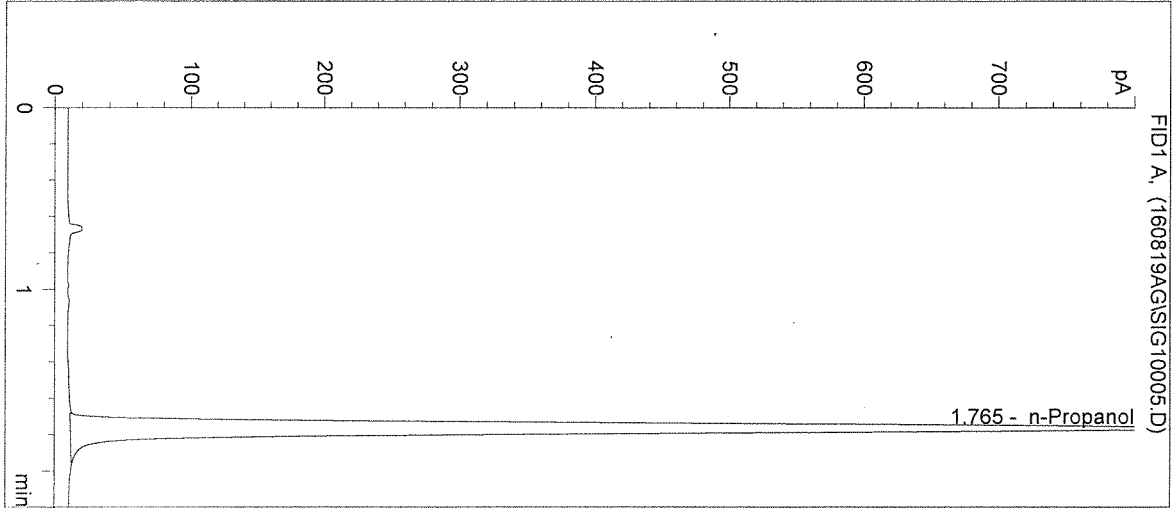
n-Propanol 0.012 g/100mL

fn

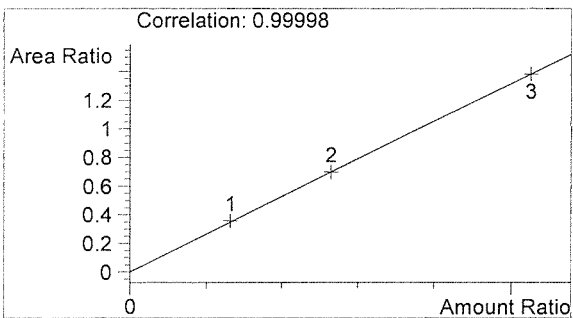
AG

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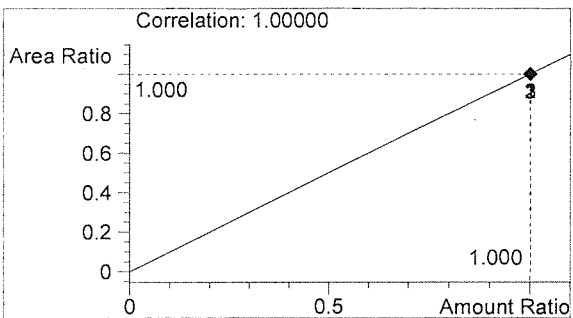
Inj. Date: 8/19/2016 10:48:11 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3216	1.765



Ethanol 0.000 g/100mL



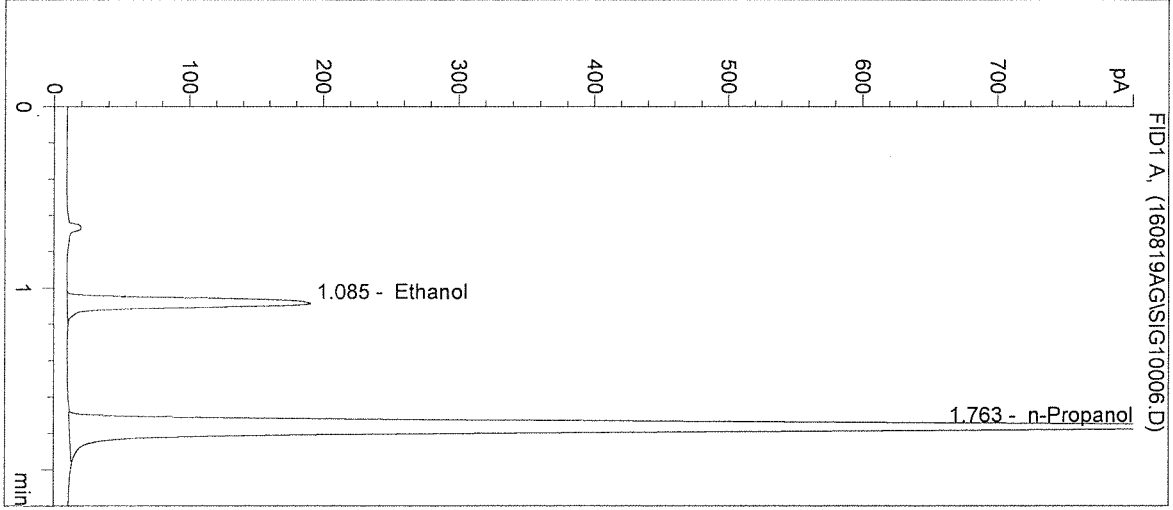
n-Propanol 0.012 g/100mL

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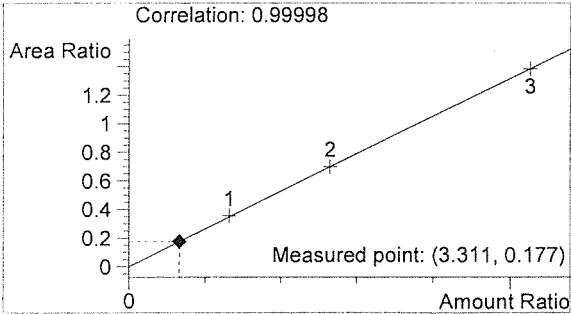
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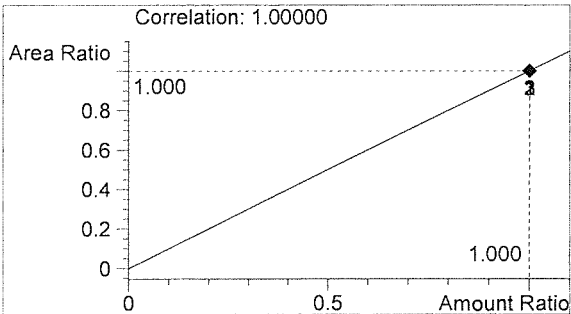
Inj. Date: 8/19/2016 10:51:25 AM Sample Name: CTRL 1 (0.04)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 6
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 1: 0.04 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	612	1.085
2	n-Propanol	3456	1.763



Ethanol 0.040 g/100mL



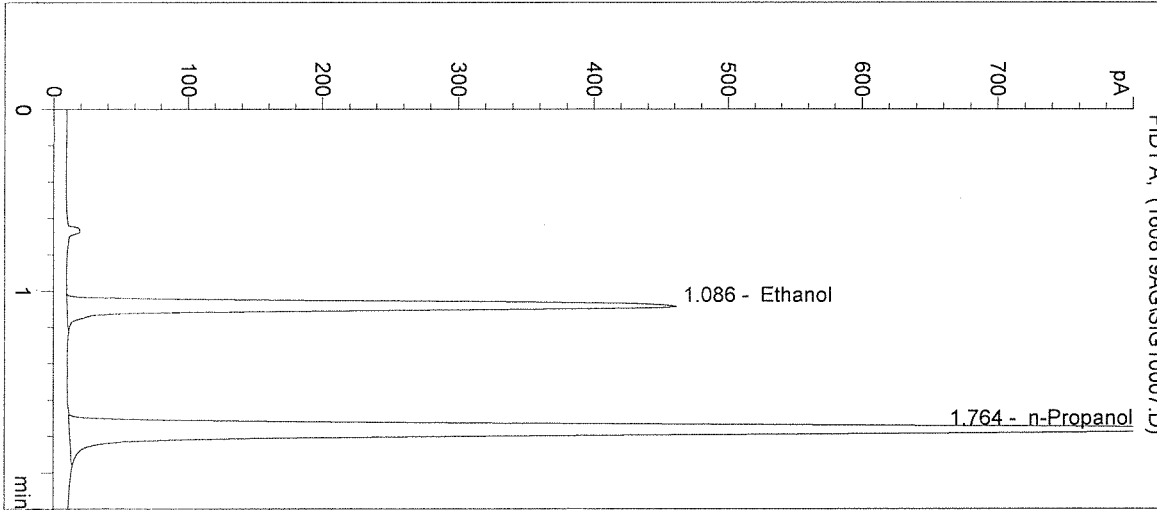
n-Propanol 0.012 g/100mL

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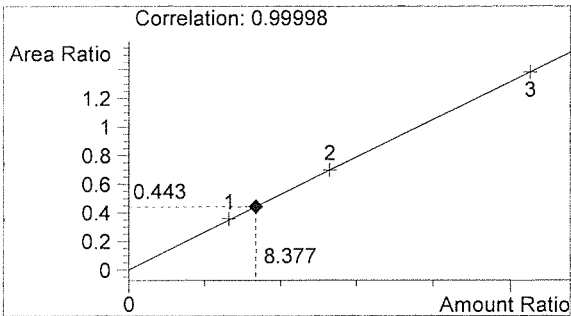
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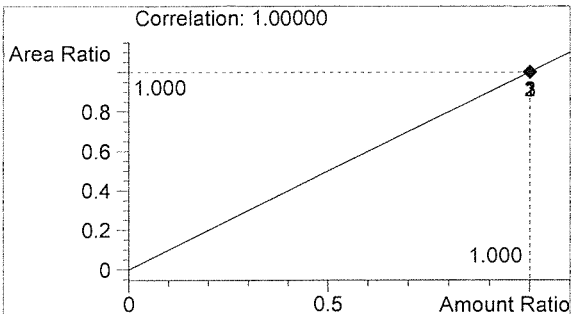
Inj. Date: 8/19/2016 10:54:38 AM Sample Name: CTRL 2 (0.10)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 7
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 2: 0.10 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1524	1.086
2	n-Propanol	3440	1.764



Ethanol 0.101 g/100mL



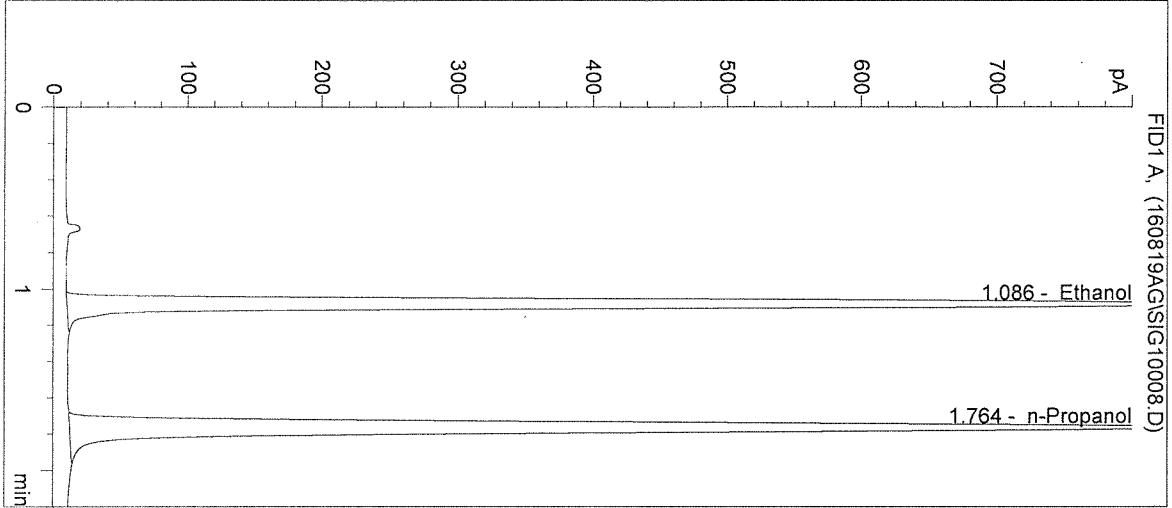
n-Propanol 0.012 g/100mL

fr

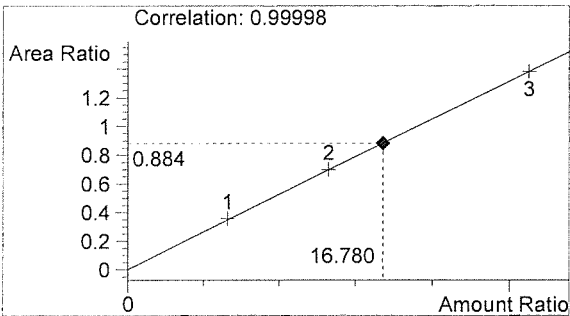
AG

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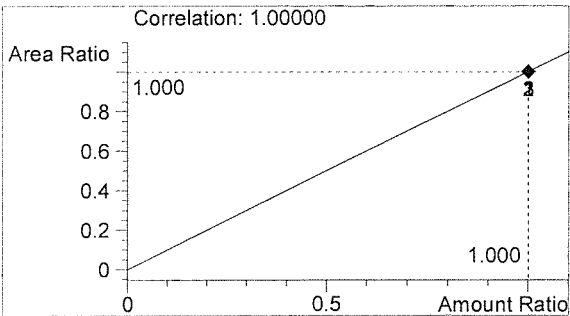
Inj. Date: 8/19/2016 10:57:51 AM Sample Name: CTRL 3 (0.20)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 8
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 3: 0.20 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	2817	1.086
2	n-Propanol	3186	1.764



Ethanol 0.201 g/100mL



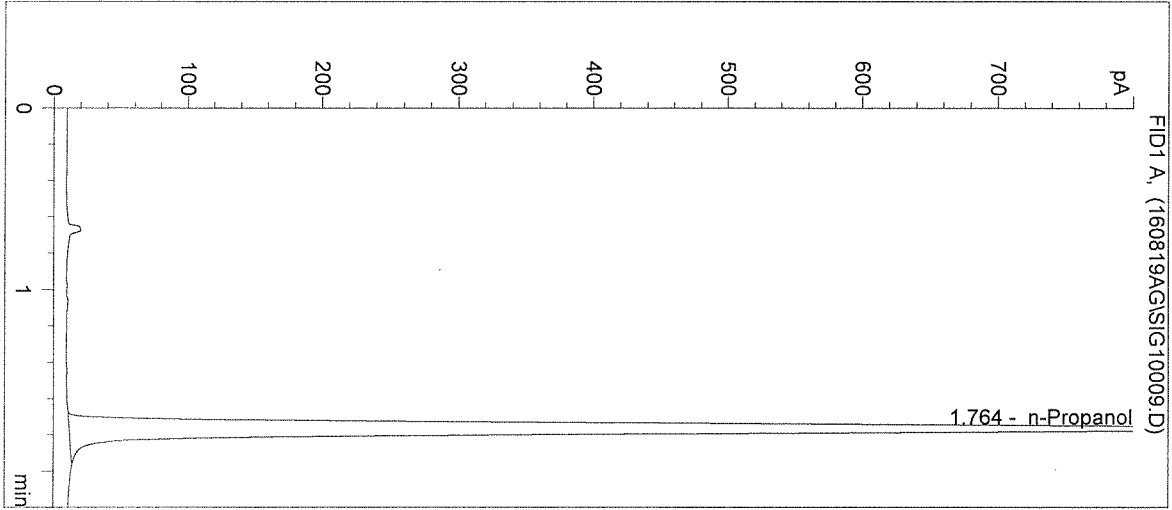
n-Propanol 0.012 g/100mL

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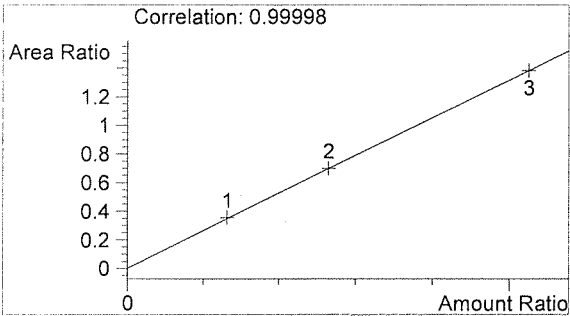
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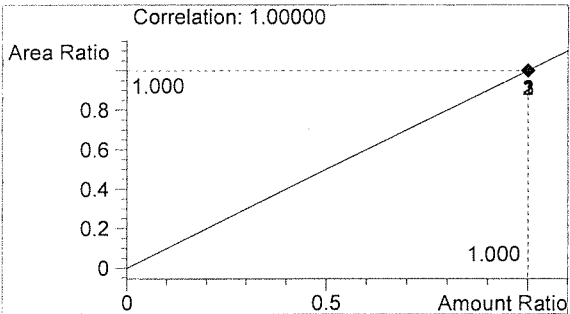
Inj. Date: 8/19/2016 11:01:05 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3439	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

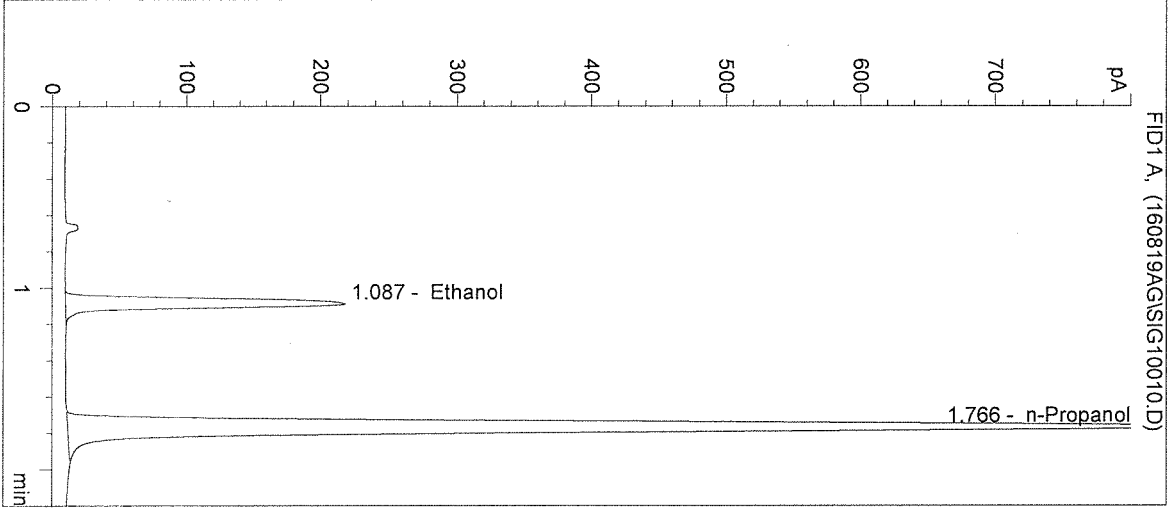
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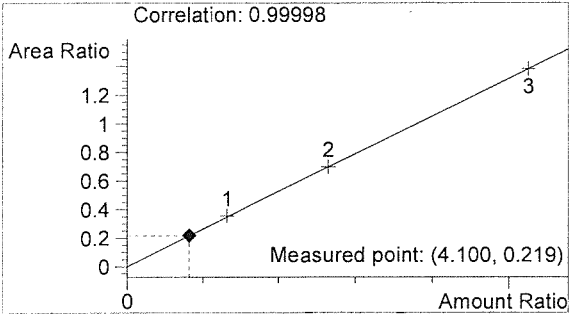
Inj. Date: 8/19/2016 11:04:18 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16032 #1
 Operator: Andrew Gingras
 Location: Vial 10

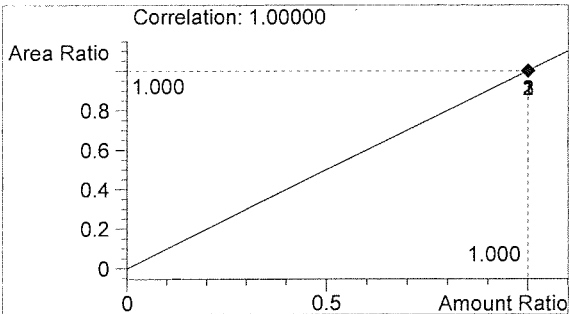
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	711	1.087
2	n-Propanol	3251	1.766



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 11:07:31 AM

Sample Name: 16032 #2

Instrument: HSGC#1

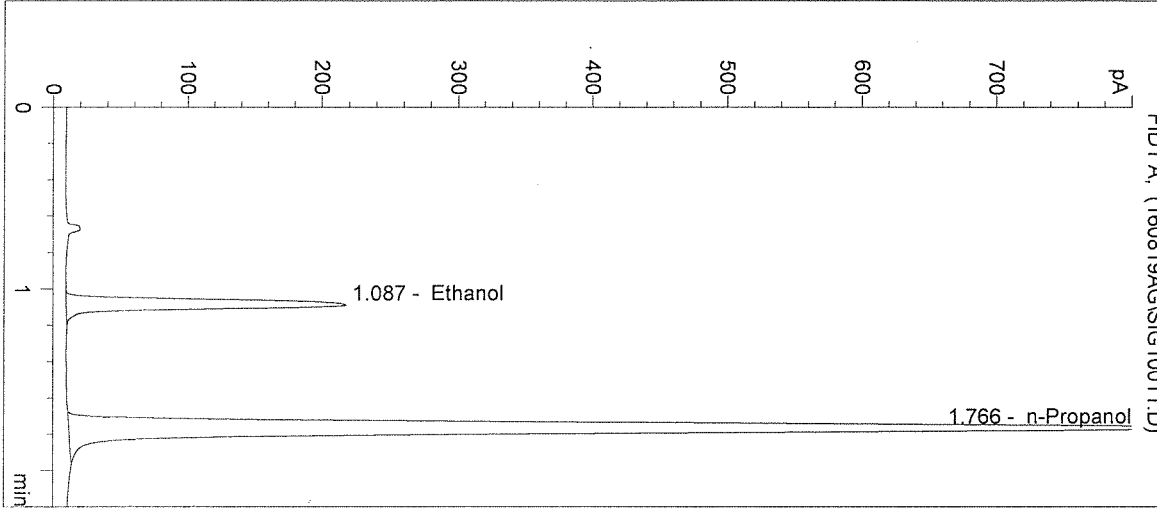
Operator: Andrew Gingras

Column: DB-ALC1

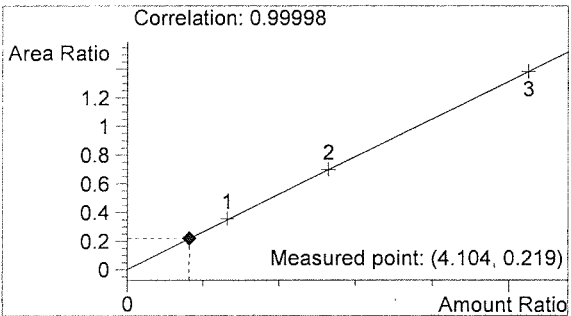
Location: Vial 11

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

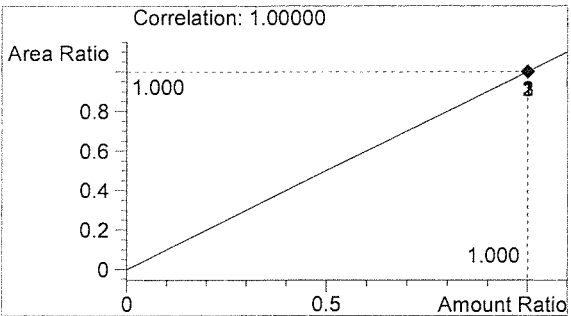
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	709	1.087
2	n-Propanol	3238	1.766



Ethanol 0.049 g/100mL



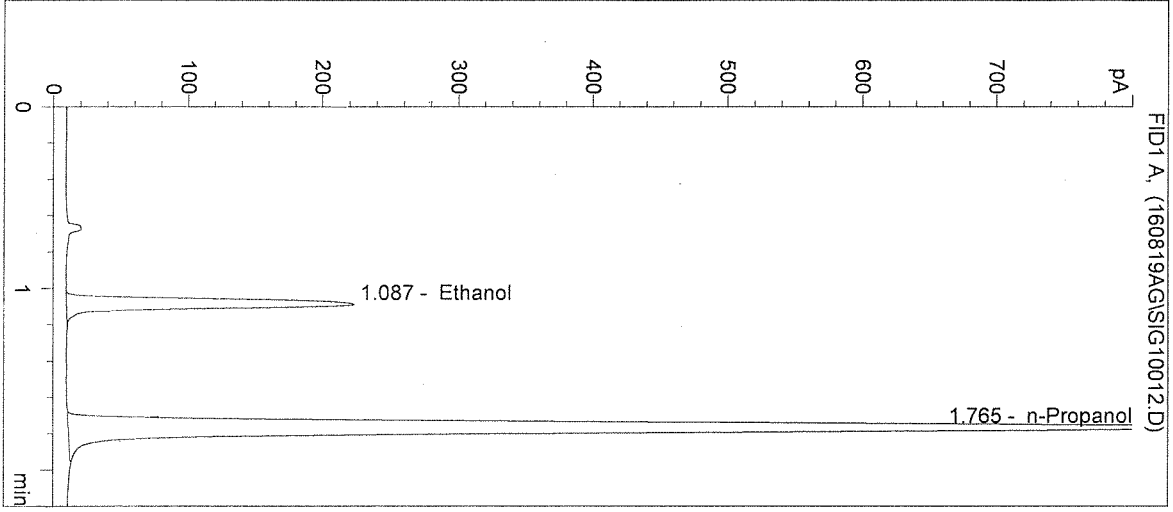
n-Propanol 0.012 g/100mL

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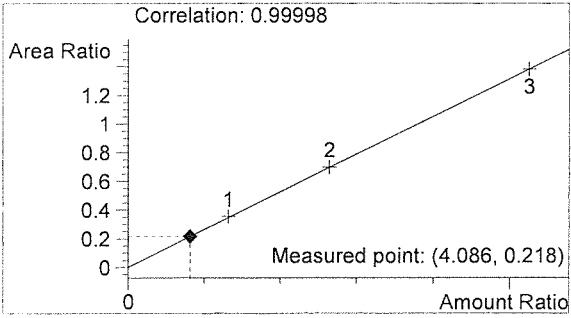
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Inj. Date: 8/19/2016 11:10:45 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

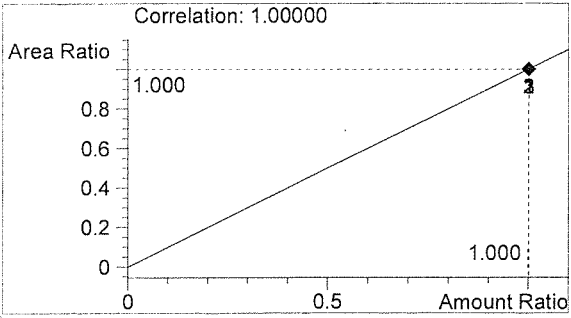
Sample Name: 16032 #3
 Operator: Andrew Gingras
 Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	725	1.087
2	n-Propanol	3328	1.765



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 11:13:58 AM

Sample Name: 16032 #4

Instrument: HSGC#1

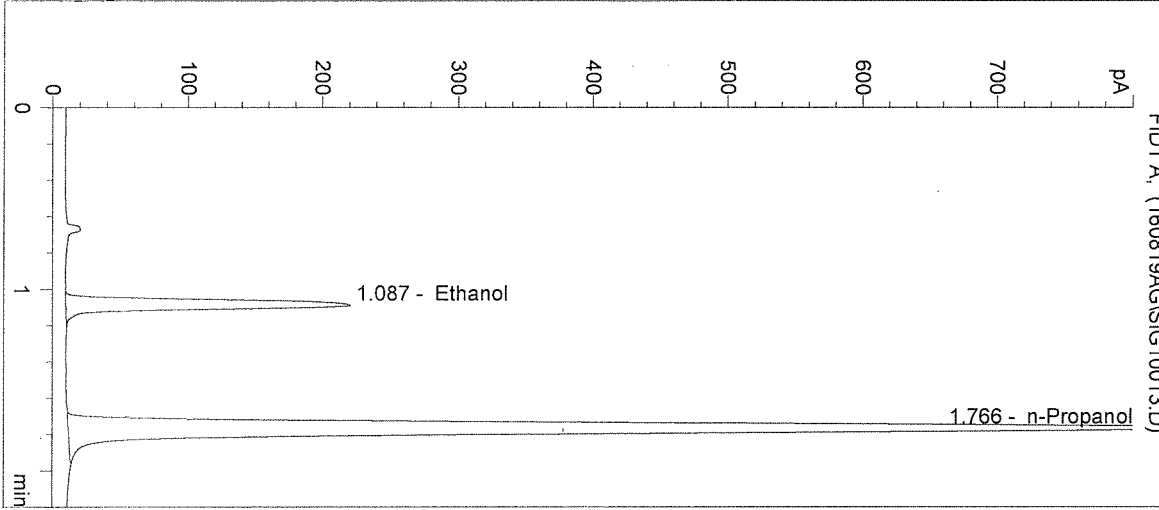
Operator: Andrew Gingras

Column: DB-ALC1

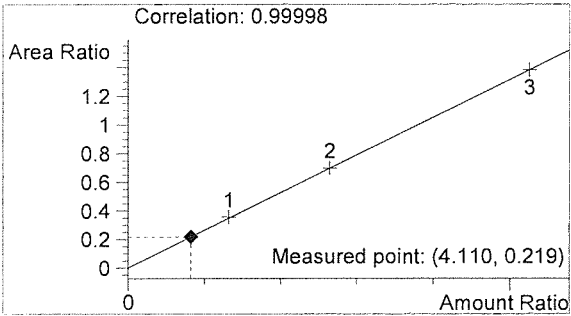
Location: Vial 13

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

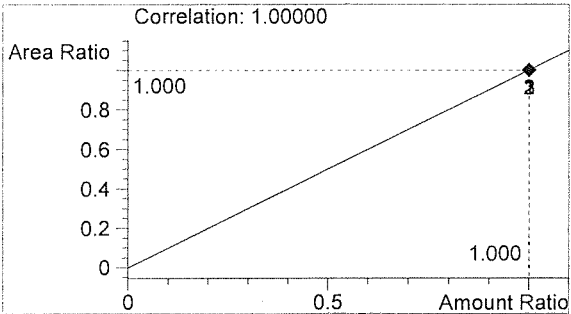
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	718	1.087
2	n-Propanol	3278	1.766



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 11:17:11 AM

Sample Name: 16032 #5

Instrument: HSGC#1

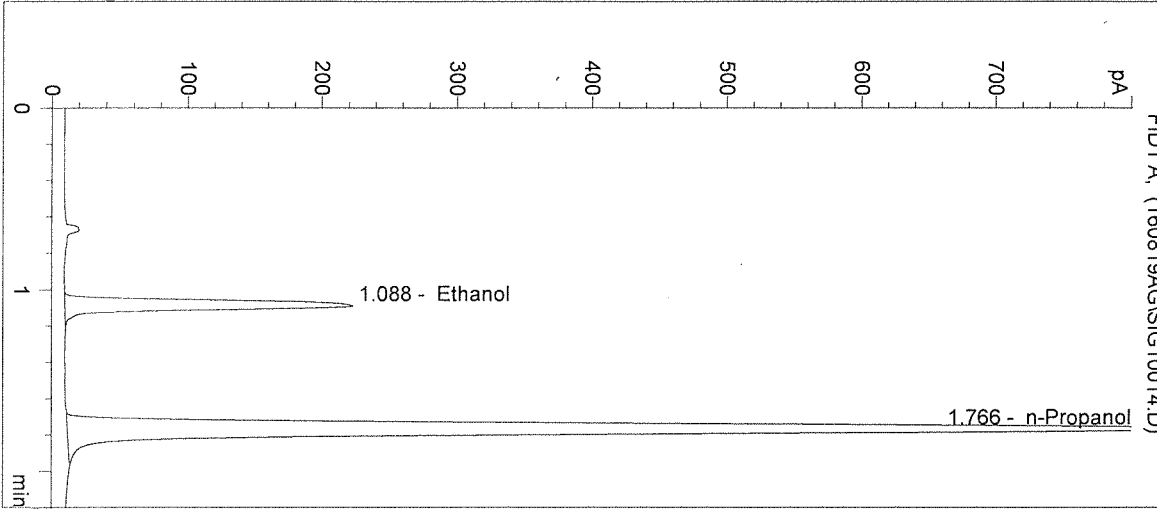
Operator: Andrew Gingras

Column: DB-ALC1

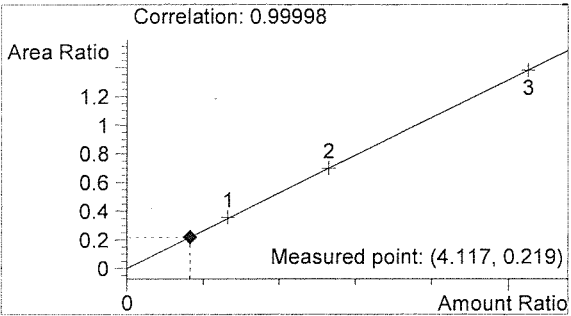
Location: Vial 14

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

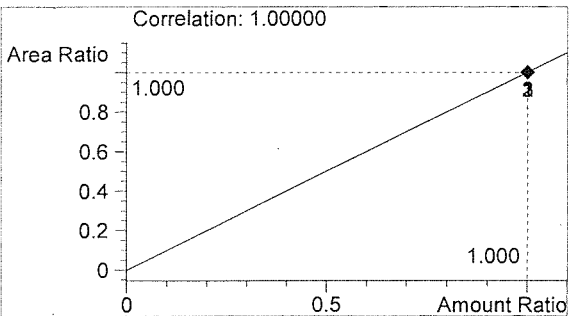
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	726	1.088
2	n-Propanol	3308	1.766



Ethanol 0.049 g/100mL



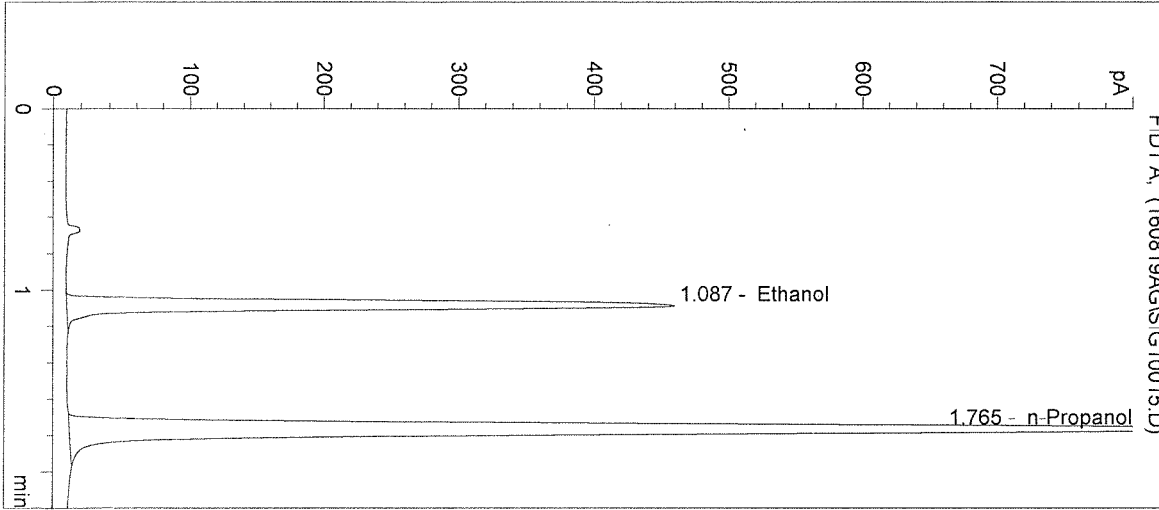
n-Propanol 0.012 g/100mL

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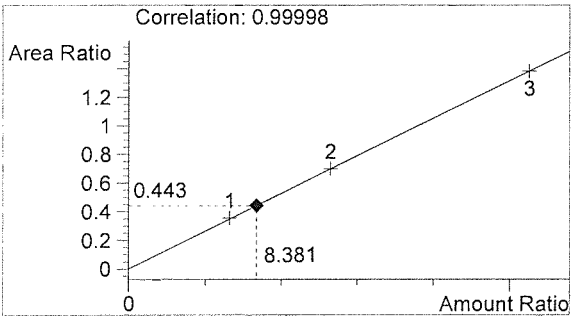
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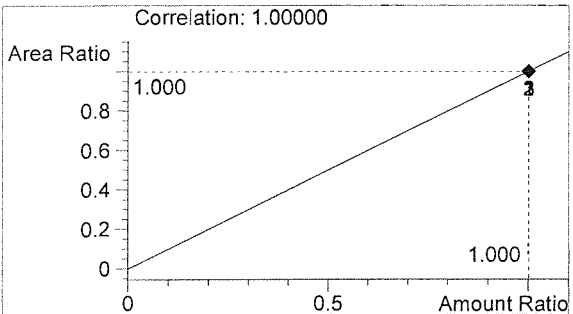
Inj. Date: 8/19/2016 11:20:25 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 15
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	1523	1.087
2	n-Propanol	3436	1.765



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 8/19/2016 11:23:37 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

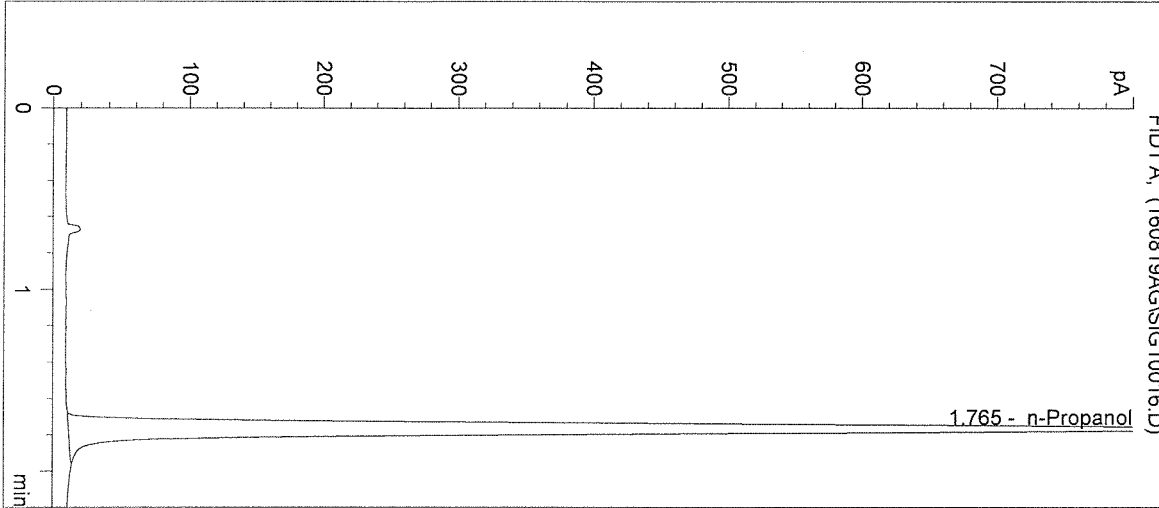
Operator: Andrew Gingras

Column: DB-ALC1

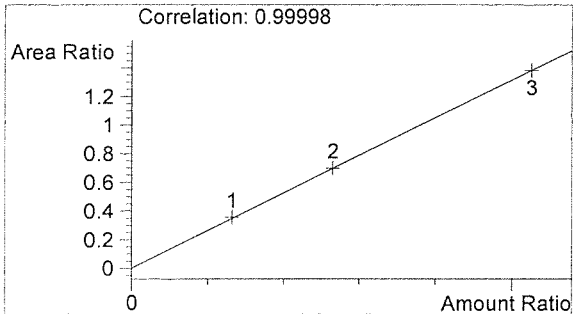
Location: Vial 16

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

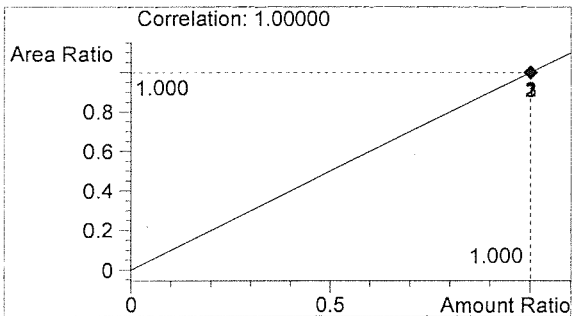
Sample Info: 16032



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3280	1.765



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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