



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16040

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: 0.08 g/210L
DATE PREPARED: 10/21/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Andrew Gingras

	AG	EW	NN
1	0.101	0.102	0.101
2	0.101	0.102	0.101
3	0.101	0.102	0.102
4	0.101	0.101	0.101
5	0.101	0.100	0.101
C	0.102	0.102	0.102

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1012 g/100mL PRECISION CV (%): 0.55
STANDARD DEVIATION: 0.00056 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0823 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brianne E. O'Reilly

Brianne E. O'Reilly Technical Lead

10.27.16
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AG	Andrew Gingras	<i>Andrew Gingras</i>	10/21/2016
EW	Elizabeth Wehner	<i>Elizabeth Wehner</i>	10/21/2016
NN	Naziha Nuwayhid	<i>Naziha Nuwayhid</i>	10/24/2016

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

QAP Solution Batch #: 16040

Date Prepared: 10/21/2016

Analyst:	AG	EW	NN
Date Tested:	10/21/2016	10/21/2016	10/24/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.101	0.102	0.101
2	0.101	0.102	0.101
3	0.101	0.102	0.102
4	0.101	0.101	0.101
5	0.101	0.100	0.101
C	0.102	0.102	0.102

CV ² _{COA}	CV ² _{QAP Solution}	CV ² _{Control}	CV ² _{Part Coef}
0.0000084100	0.0000020458	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.1012 g/100mL
Standard Deviation: 0.00056 g/100mL
Precision CV (%): 0.55
Equivalent Vapor Concentration: 0.0823 g/210L
Combined Standard Uncertainty (±): 0.0009 g/210L
Expanded Uncertainty (±): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne E O'Reilly 10-26-16
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 10-28-16
Name Signature Date

Method: Hand Calculation

Tech. review performed by: Brianne E. O'Reilly Brianne E O'Reilly 10-26-16
Name Signature Date

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 10-28-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16040

	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: 10-28-16

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	AG	10/27/16
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	EW	10/27/14
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid	NN	10.27.16
Rebecca Flaherty		

Batch # 16040 Rev 10-26-16

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16040**

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 16040, was prepared in the Washington State Toxicology Laboratory on 10/21/2016. 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 10/21/2017.

Seattle, WA

 10/27/16

Andrew Gingras

Date

Forensic Scientist

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16040**

I, Elizabeth Wehner, 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 Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 16040, was prepared in the Washington State Toxicology Laboratory on 10/21/2016. 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 10/21/2017.

Seattle, WA

Elizabeth Wehner 10/27/16

Elizabeth Wehner

Date

Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16040**

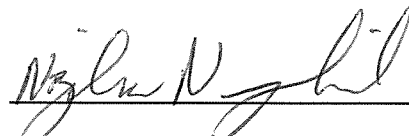
I, Naziha Nuwayhid, do certify under penalty of perjury that:

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: Bachelor and Masters Degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16040, was prepared in the Washington State Toxicology Laboratory on 10/21/2016. 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 10/21/2017.

Seattle, WA

 10.27.2016

Naziha Nuwayhid

Date

Forensic Scientist

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

Preparation Date: 10/21/2016 Expiration Date: 10/22/2017 Initials of Preparer: SG

Lot # of 200-proof Ethanol used in preparation: 2DK0010

Date the 200-proof Ethanol bottle was opened: 8/8/16 & 10/21/16

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 type="checkbox"/>	_____
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16040</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	_____
QAP 0.15	42.1	18	<input type="checkbox"/>	_____
QAP 0.20	56.1	18	<input type="checkbox"/>	_____
ESS	66.5	52	<input type="checkbox"/>	_____

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed

10/21/16
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

10/21/16
Date

AWO

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: 161021AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017
 CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017
 CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017

n-Propanol ISTD - LOT# P0916 - 12/21/2016
 CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16040
 Dilutor #2.

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	QAP 16040 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16040 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16040 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16040 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16040 #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	QAP 16041 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16041 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16041 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16041 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16041 #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	QAP 16042 #1	SIMALC1	1	Sample		

16040
 Bu 10-26-16

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	QAP 16042 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16042 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16042 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16042 #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!

16040
BUD 10-26-16

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

Calib. Data Modified : Friday, October 21, 2016 8:32:47 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,

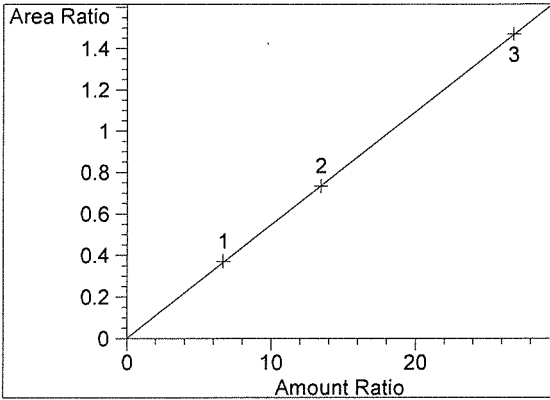
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.086	1 1	8.00100e-2	988.70453	8.09241e-5	1 Ethanol
		2 1.61200e-1	1961.29883	8.21904e-5	
		3 3.21790e-1	3914.67676	8.22009e-5	
1.765	1 1	1.20000e-2	2662.62793	4.50683e-6	I1 n-Propanol
		2 1.20000e-2	2671.57471	4.49173e-6	
		3 1.20000e-2	2665.91797	4.50126e-6	

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

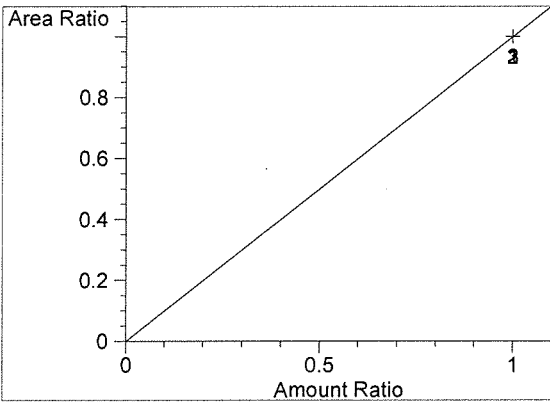
No Entries in table
=====

16040
RW 10-26-16

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



Ethanol at exp. RT: 1.086
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00401
Formula: $y = mx + b$
m: 5.46730e-2
b: 2.20089e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.765
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

=====

16040
BLU 10-26-16

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

Inj. Date: 10/21/2016 8:20:43 AM

Sample Name: BLANK

Instrument: HSGC#1

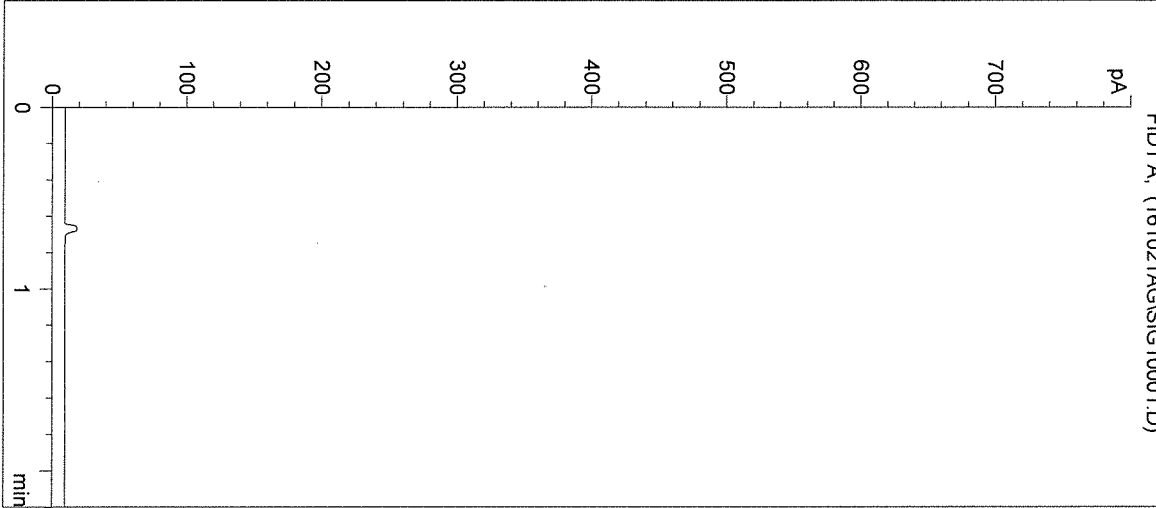
Operator: Andrew Gingras

Column: DB-ALC1

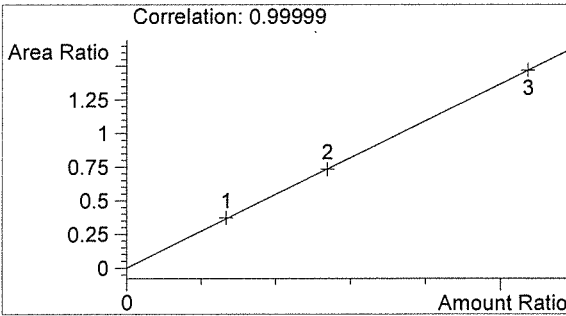
Location: Vial 1

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

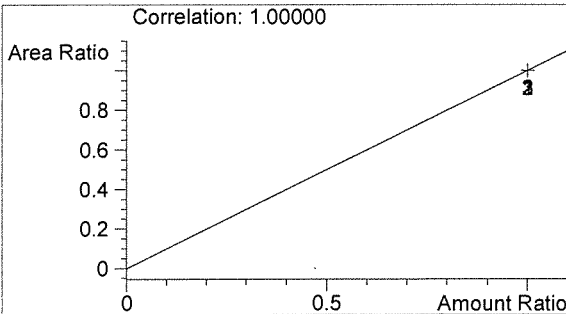
Sample Info: 16040



#	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

BW

AG

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

Inj. Date: 10/21/2016 8:24:00 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

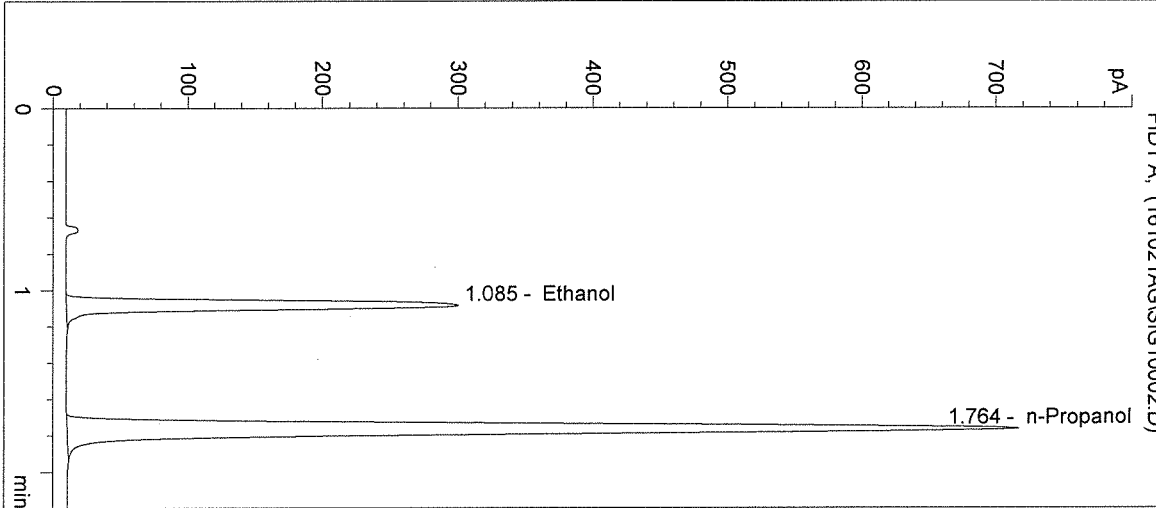
Operator: Andrew Gingras

Column: DB-ALC1

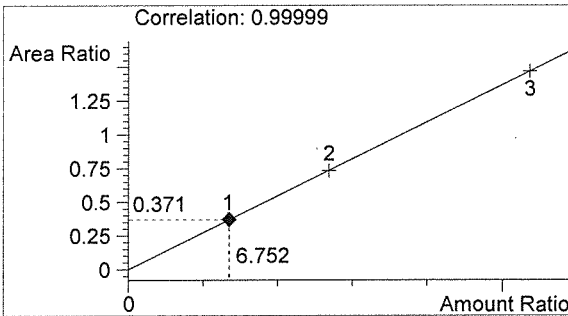
Location: Vial 2

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

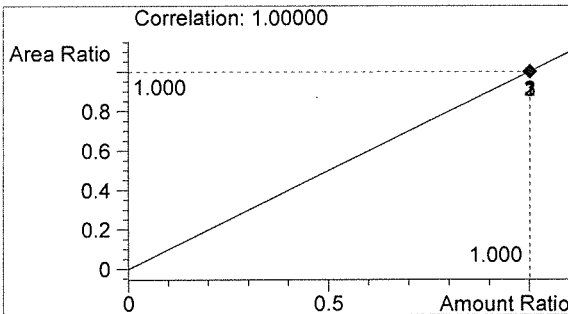
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	989	1.085
2	n-Propanol	2663	1.764



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

AW
AG

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

Inj. Date: 10/21/2016 8:27:17 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

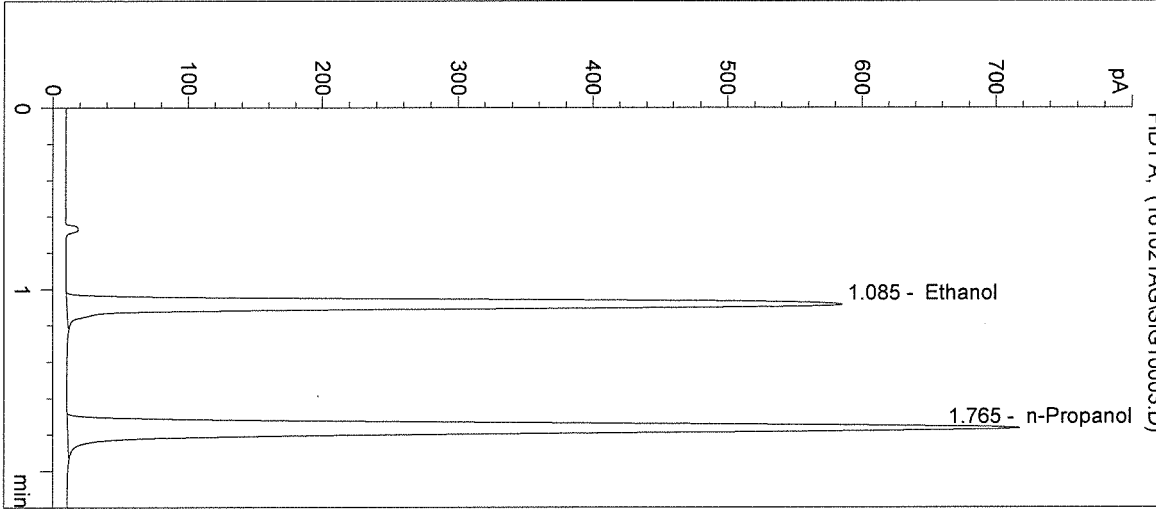
Operator: Andrew Gingras

Column: DB-ALC1

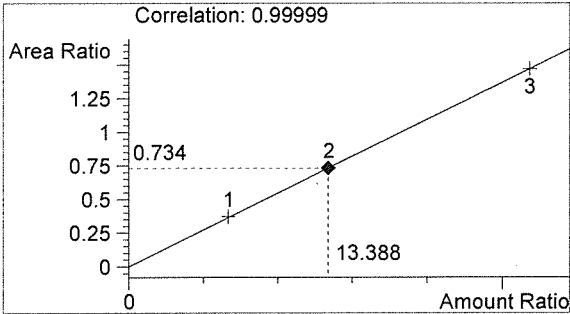
Location: Vial 3

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

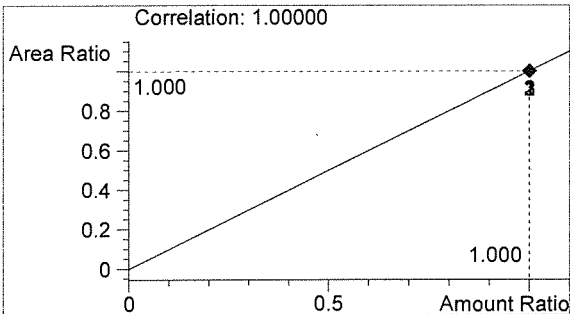
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1961	1.085
2	n-Propanol	2672	1.765



Ethanol 0.161 g/100mL



n-Propanol 0.012 g/100mL

AW

AG

Inj. Date: 10/21/2016 8:30:34 AM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

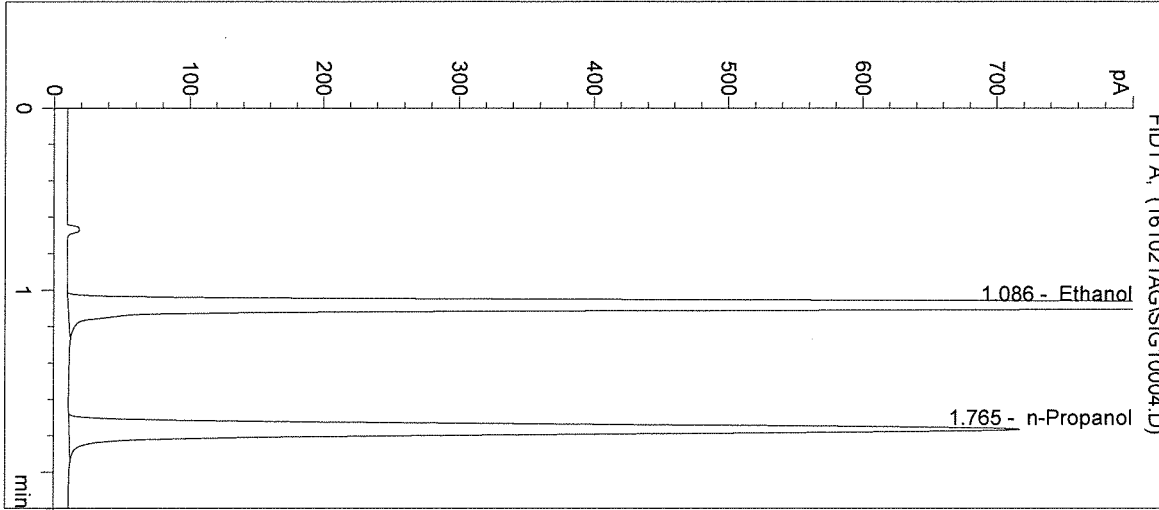
Operator: Andrew Gingras

Column: DB-ALC1

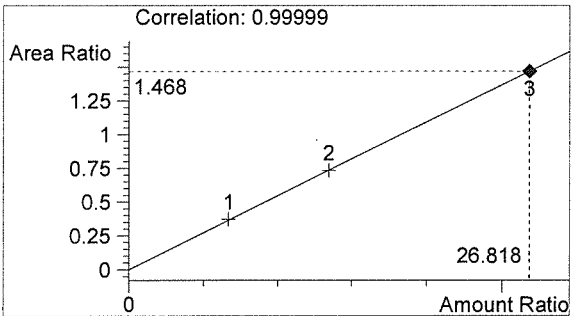
Location: Vial 4

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

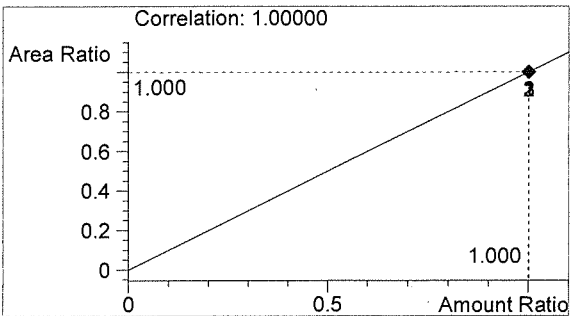
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	3915	1.086
2	n-Propanol	2666	1.765



Ethanol 0.322 g/100mL



n-Propanol 0.012 g/100mL

AW

AG

Inj. Date: 10/21/2016 8:33:48 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

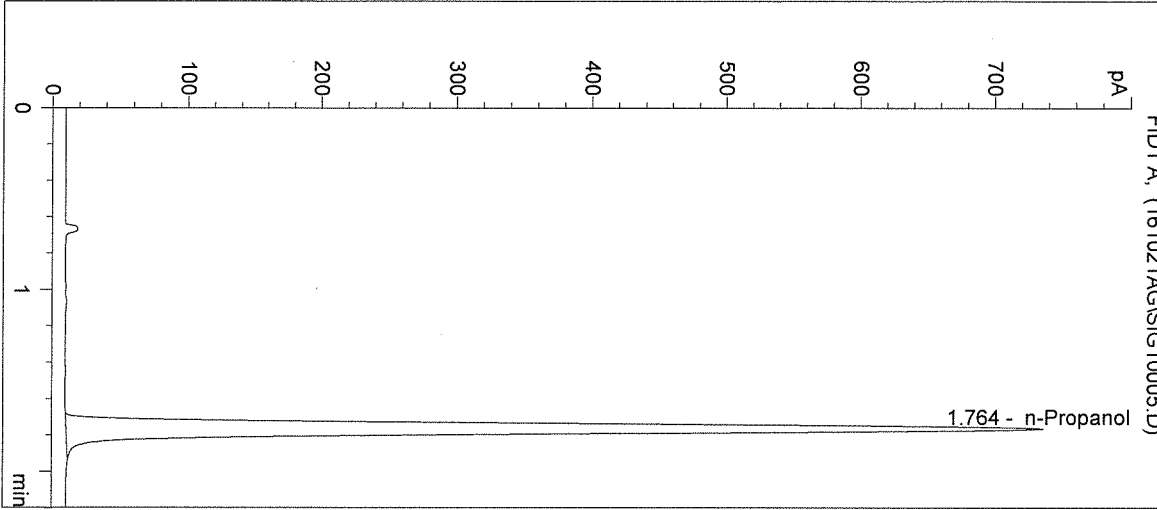
Operator: Andrew Gingras

Column: DB-ALC1

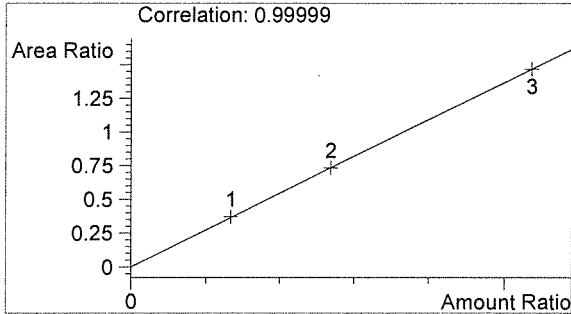
Location: Vial 5

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

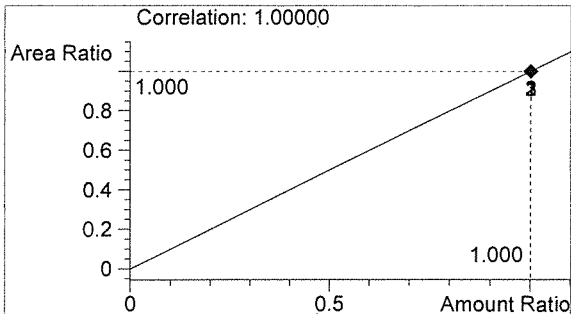
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2736	1.764



Ethanol 0.000 g/100mL

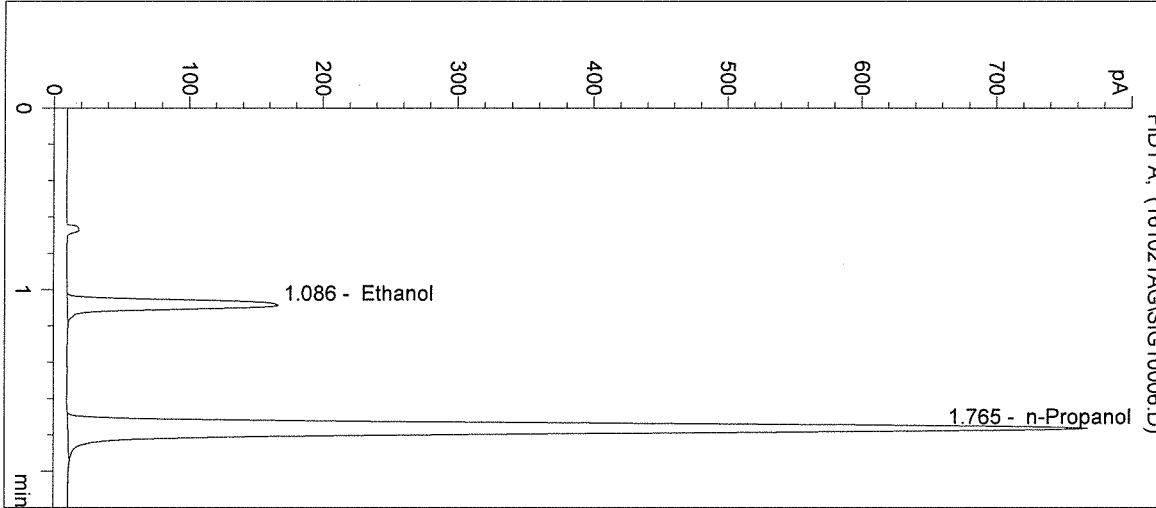


n-Propanol 0.012 g/100mL

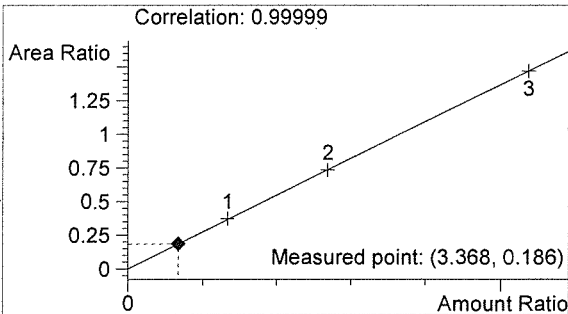
BWD

AG

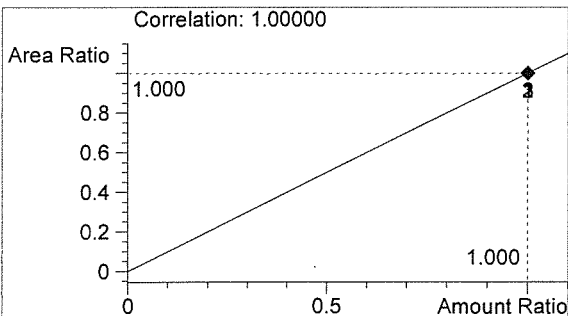
Inj. Date: 10/21/2016 8:37:01 AM Sample Name: 0.04 CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 6
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	533	1.086
2	n-Propanol	2858	1.765



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

BLW

Inj. Date: 10/21/2016 8:40:14 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

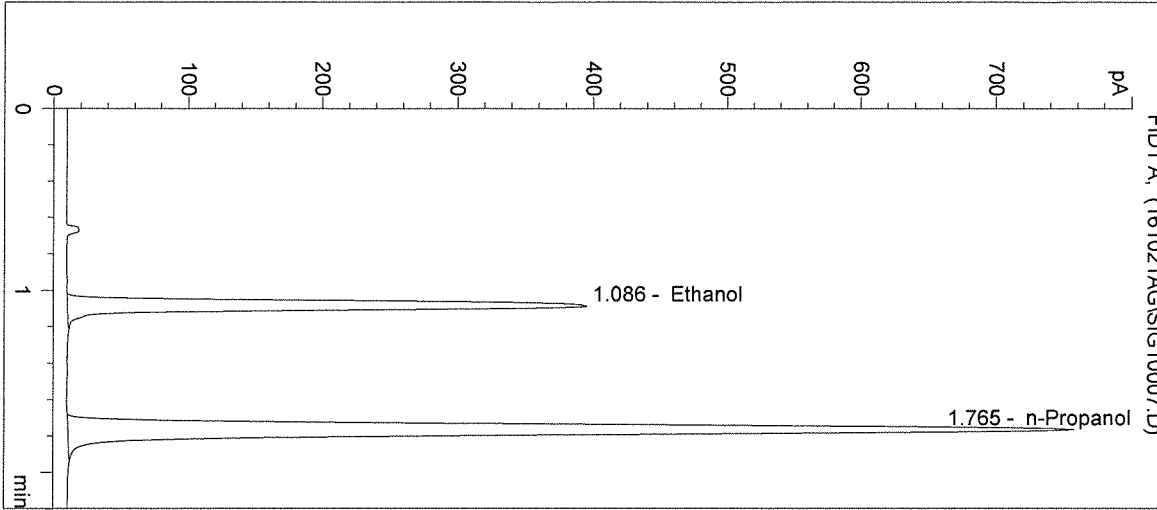
Operator: Andrew Gingras

Column: DB-ALC1

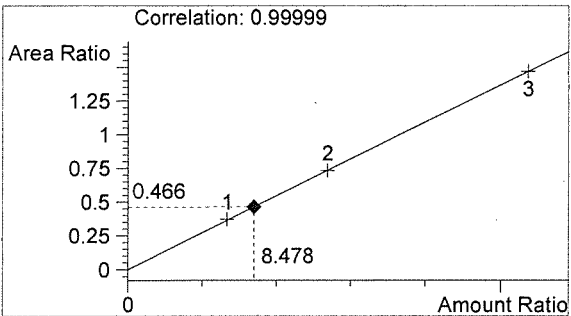
Location: Vial 7

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

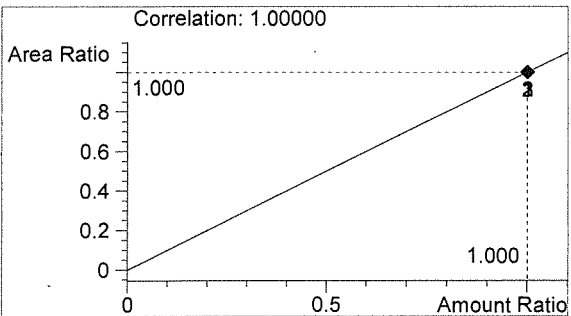
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1313	1.086
2	n-Propanol	2820	1.765



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

BW

[Signature]

Inj. Date: 10/21/2016 8:43:27 AM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

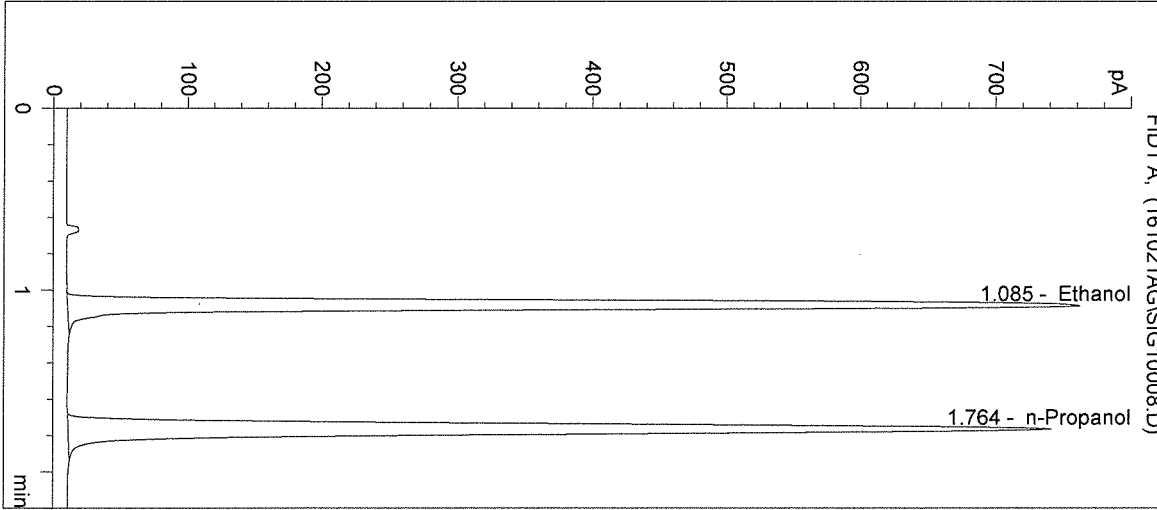
Operator: Andrew Gingras

Column: DB-ALC1

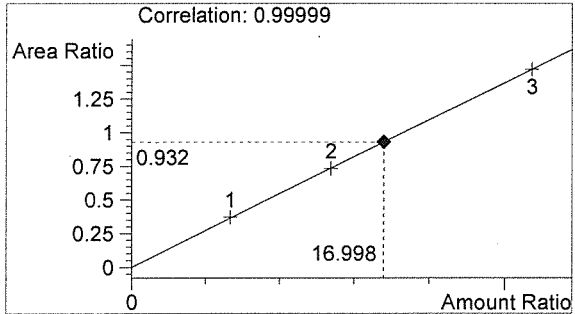
Location: Vial 8

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

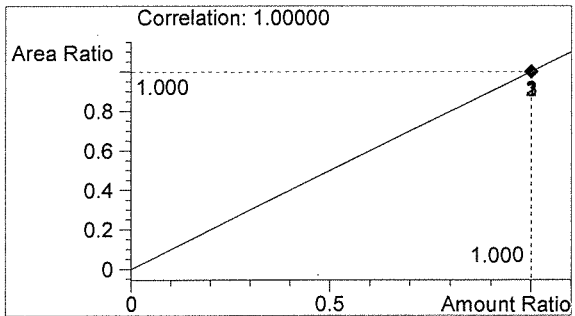
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	2558	1.085
2	n-Propanol	2747	1.764



Ethanol 0.204 g/100mL



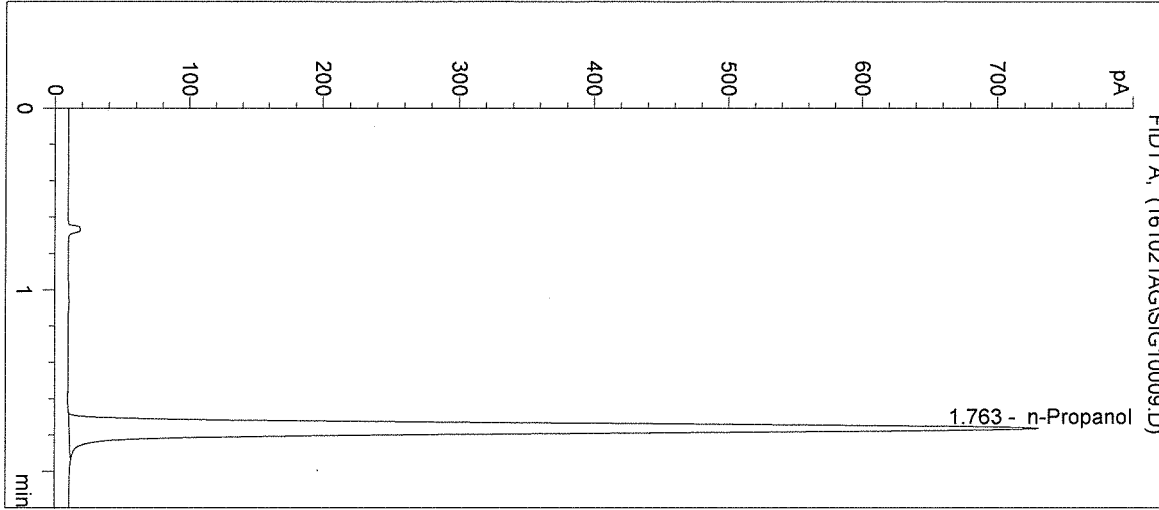
n-Propanol 0.012 g/100mL

BW

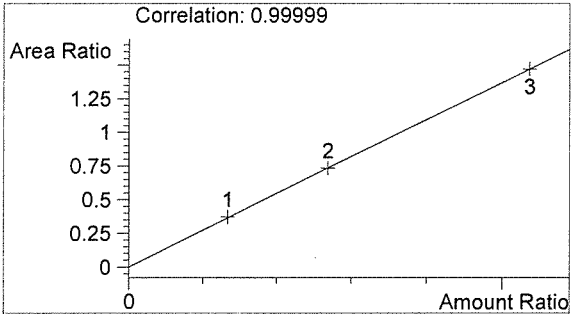
AG

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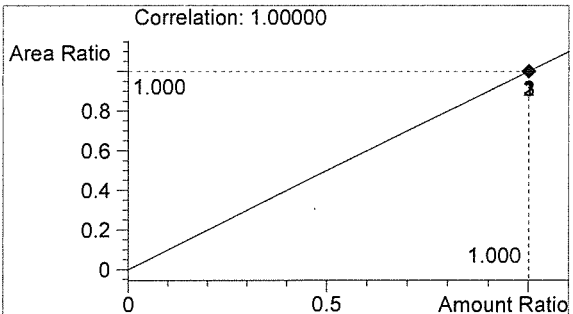
Inj. Date: 10/21/2016 8:46:41 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2707	1.763



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

AWD
AG

Inj. Date: 10/21/2016 8:49:54 AM

Sample Name: QAP 16040 #1

Instrument: HSGC#1

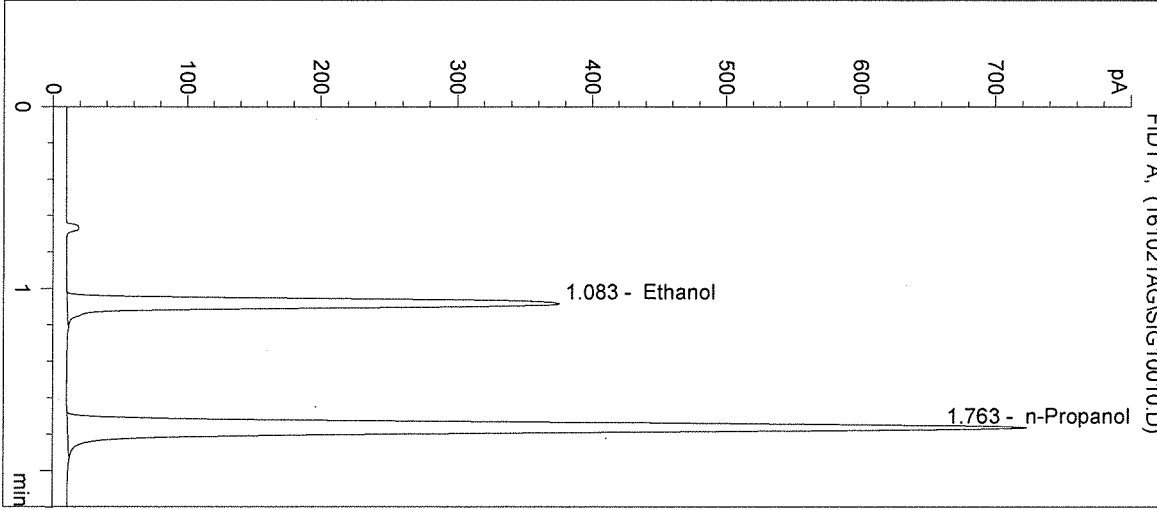
Operator: Andrew Gingras

Column: DB-ALC1

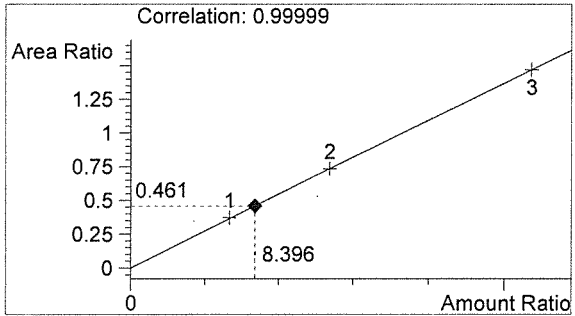
Location: Vial 10

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

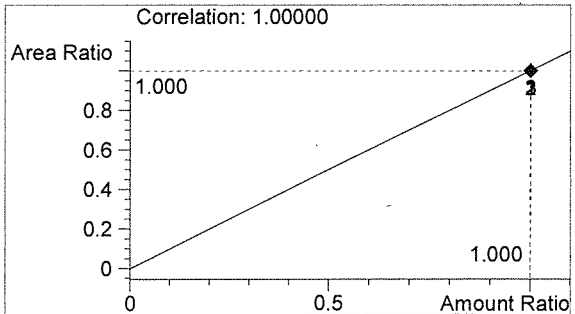
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1239	1.083
2	n-Propanol	2685	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AWD
AG

Inj. Date: 10/21/2016 8:53:07 AM

Sample Name: QAP 16040 #2

Instrument: HSGC#1

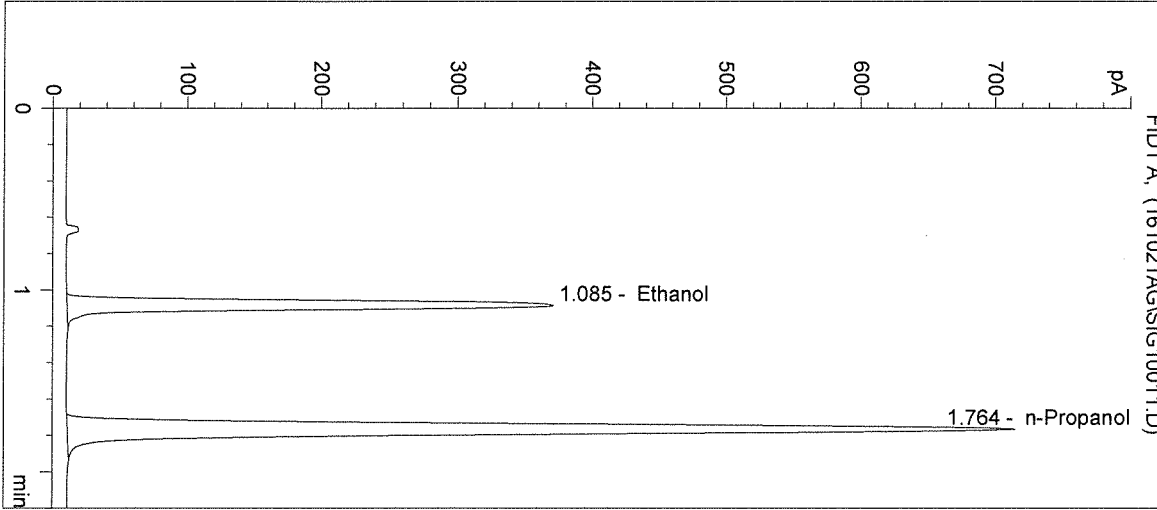
Operator: Andrew Gingras

Column: DB-ALC1

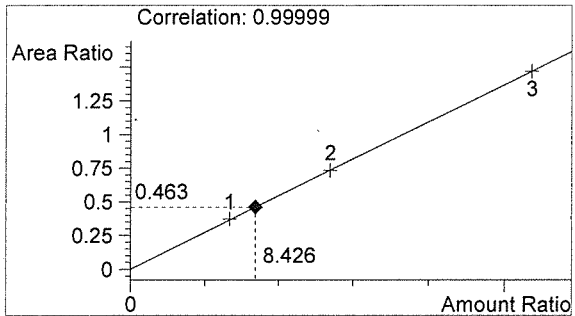
Location: Vial 11

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

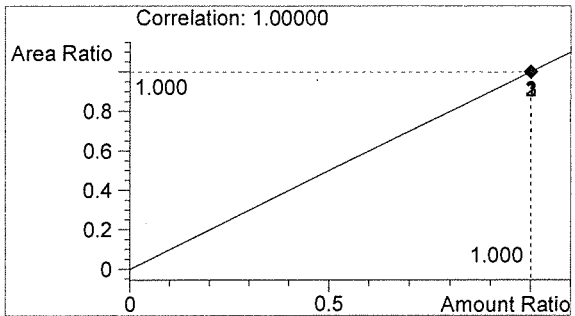
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1225	1.085
2	n-Propanol	2647	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AW

AC

Inj. Date: 10/21/2016 8:56:21 AM

Sample Name: QAP 16040 #3

Instrument: HSGC#1

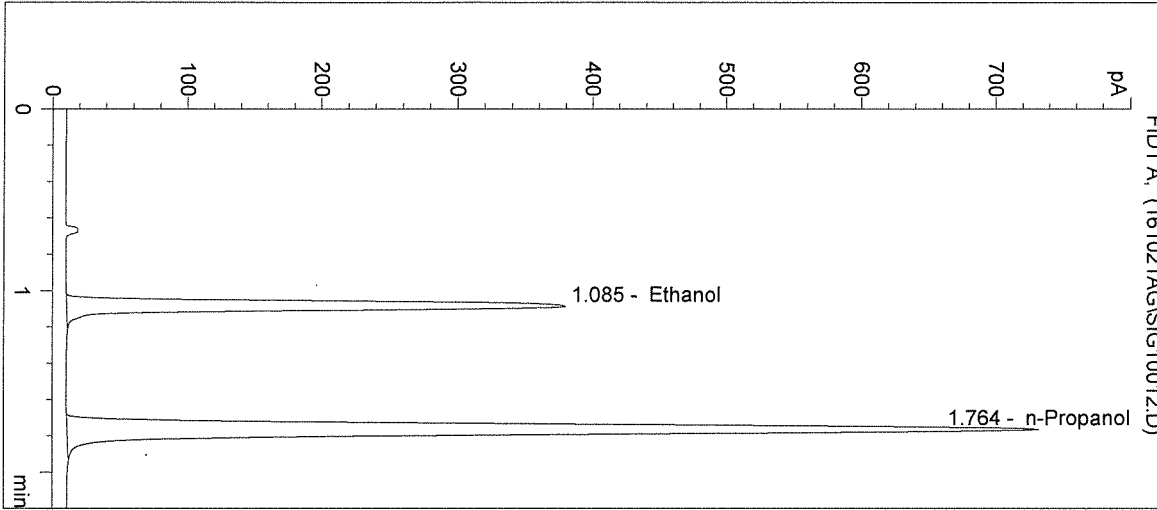
Operator: Andrew Gingras

Column: DB-ALC1

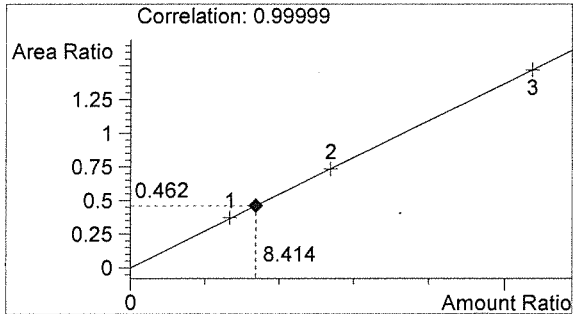
Location: Vial 12

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

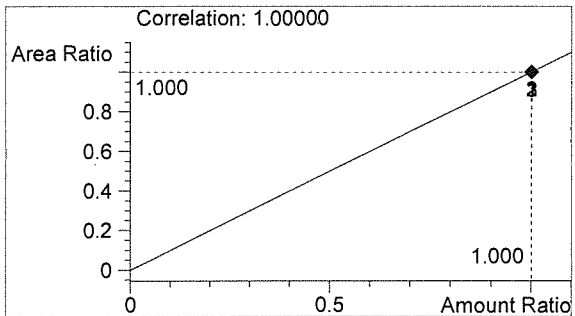
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1255	1.085
2	n-Propanol	2715	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AW

[Handwritten signature]

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Inj. Date: 10/21/2016 8:59:34 AM

Sample Name: QAP 16040 #4

Instrument: HSGC#1

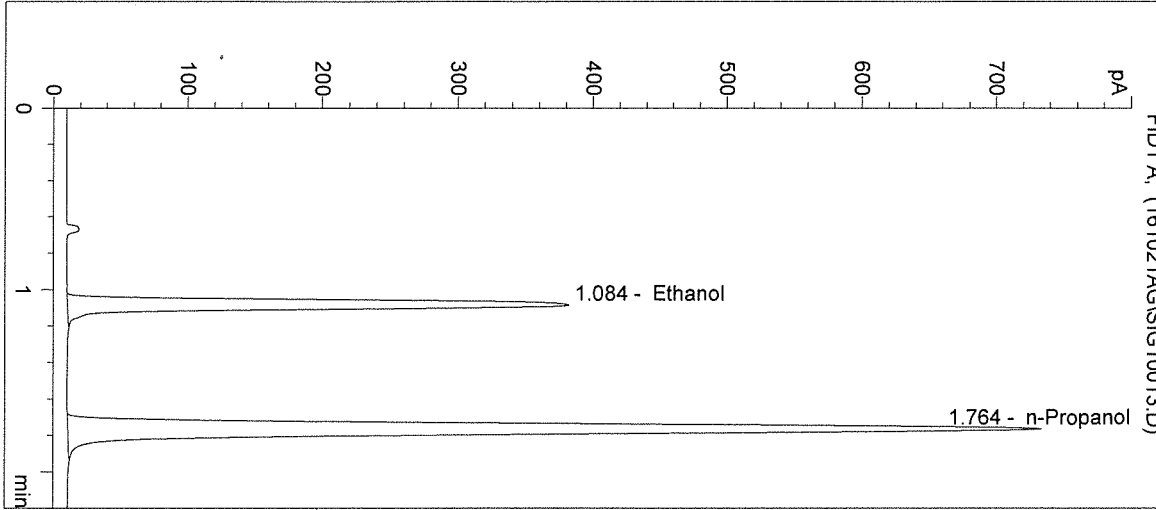
Operator: Andrew Gingras

Column: DB-ALC1

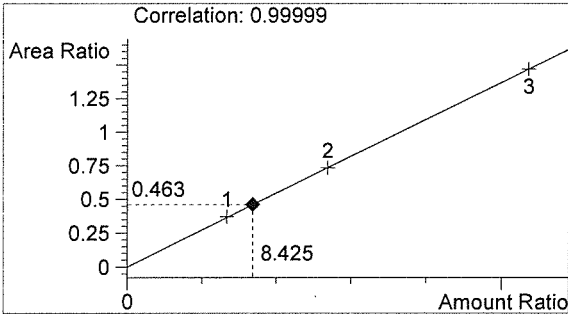
Location: Vial 13

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

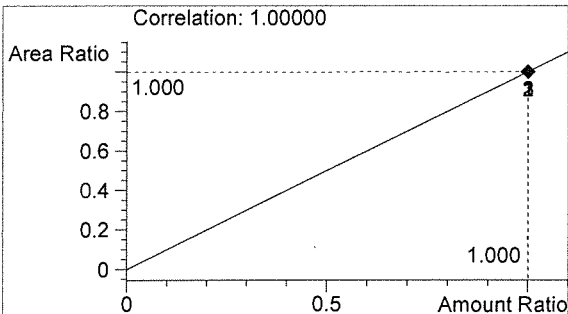
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1261	1.084
2	n-Propanol	2724	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AWO

AG

Inj. Date: 10/21/2016 9:02:47 AM

Sample Name: QAP 16040 #5

Instrument: HSGC#1

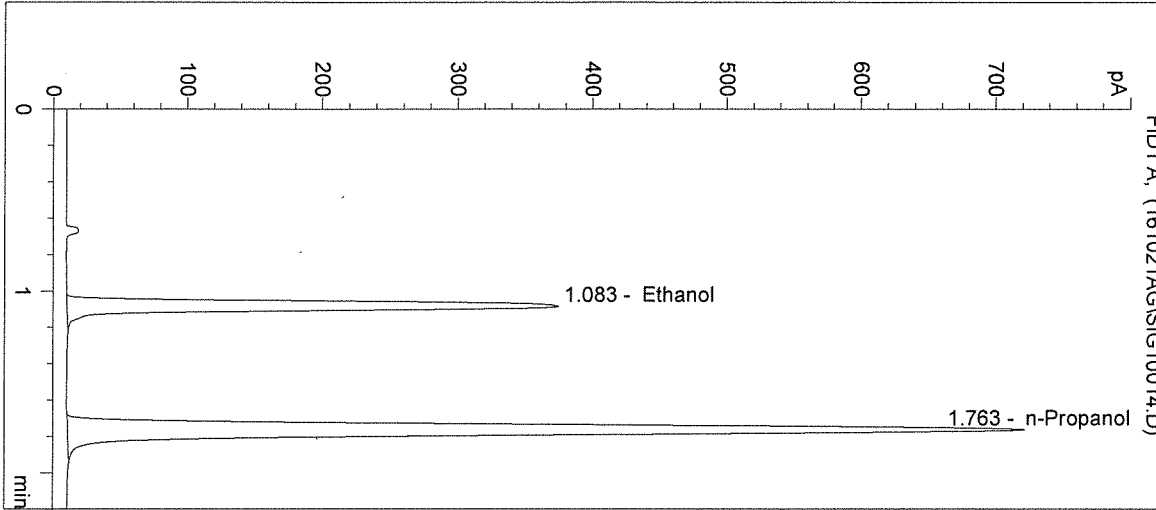
Operator: Andrew Gingras

Column: DB-ALC1

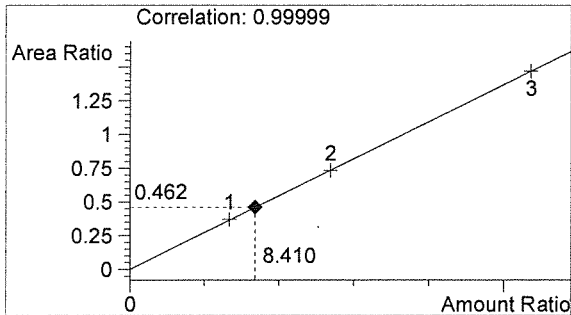
Location: Vial 14

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

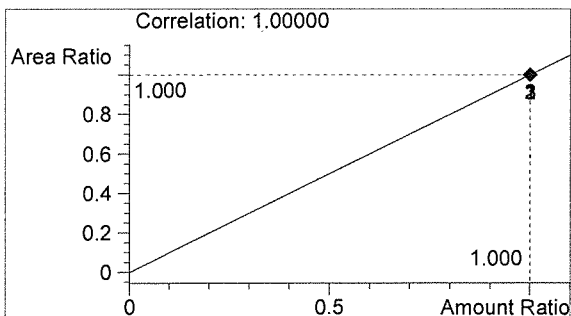
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.083
2	n-Propanol	2672	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

BW

SC

Inj. Date: 10/21/2016 9:06:01 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

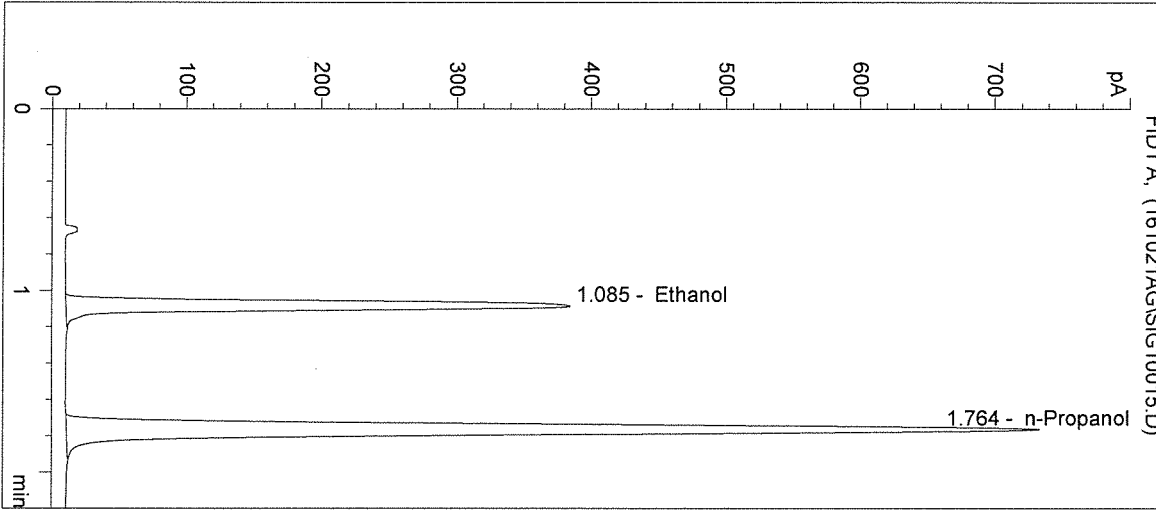
Operator: Andrew Gingras

Column: DB-ALC1

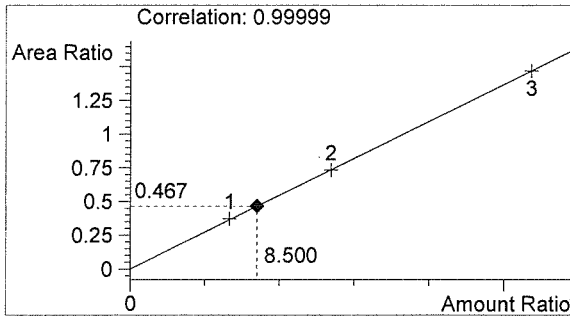
Location: Vial 15

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

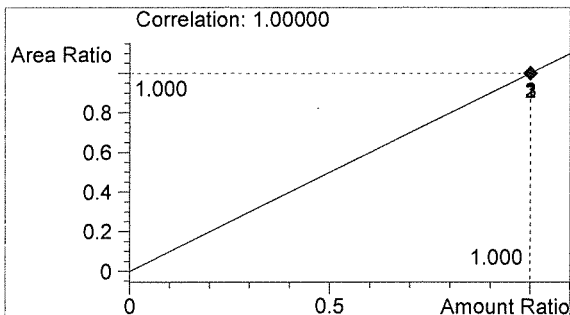
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1272	1.085
2	n-Propanol	2725	1.764



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

BW

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Inj. Date: 10/21/2016 9:09:14 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

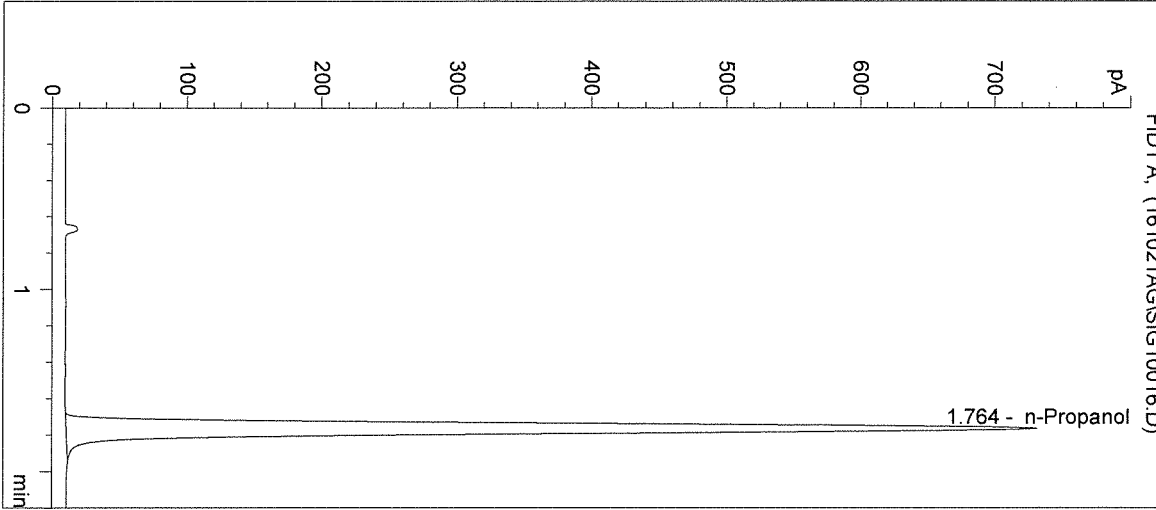
Operator: Andrew Gingras

Column: DB-ALC1

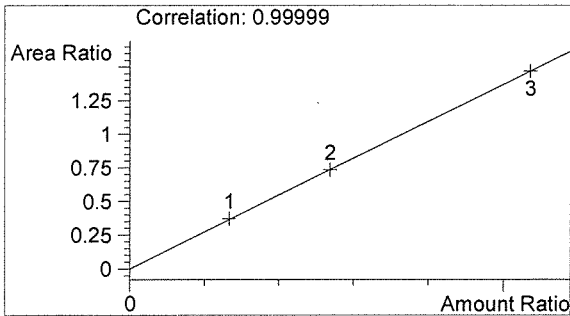
Location: Vial 16

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

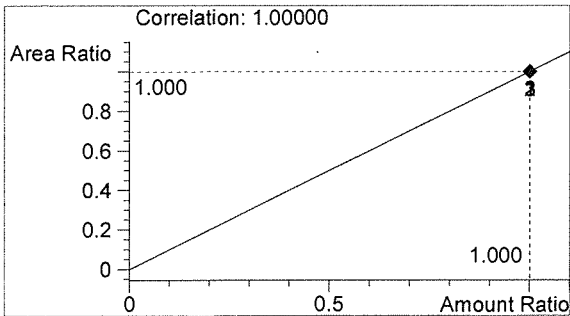
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2711	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

AW

[Handwritten signature]

Sequence Parameters:

Operator: Elizabeth Wehner
 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: 161021EW
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017
 CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017
 CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017

n-Propanol ISTD - LOT# P0916 - 12/21/2016

CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16040
 Dilutor #2.

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	QAP 16040 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16040 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16040 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16040 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16040 #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	QAP 16041 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16041 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16041 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16041 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16041 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

16040
 Acc 10-26-16

EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16042 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16042 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16042 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16042 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16042 #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!

Buo 10.26.16
~~16040~~

16040
Buo 10.26.16

EW

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

Calib. Data Modified : Friday, October 21, 2016 1:27:35 PM

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
1.088	1 1	8.00100e-2	1012.11554	7.90522e-5	1 Ethanol
		1.61200e-1	1939.08057	8.31322e-5	
		3.21790e-1	3882.93994	8.28728e-5	
1.767	1 1	1.20000e-2	2695.40894	4.45201e-6	I1 n-Propanol
		1.20000e-2	2630.07520	4.56261e-6	
		1.20000e-2	2621.35010	4.57779e-6	

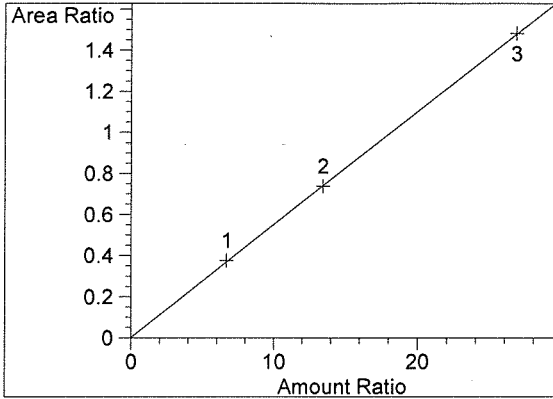
16040
 BUO 10-26-16

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

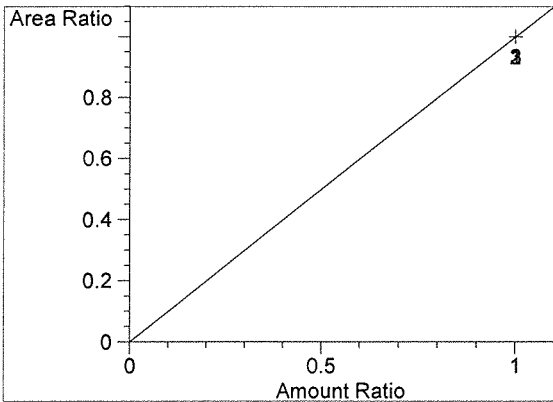
No Entries in table
 =====

EW

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



Ethanol at exp. RT: 1.088
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00583
Formula: $y = mx + b$
m: 5.51257e-2
b: 1.93202e-3
x: Amount Ratio
y: Area Ratio



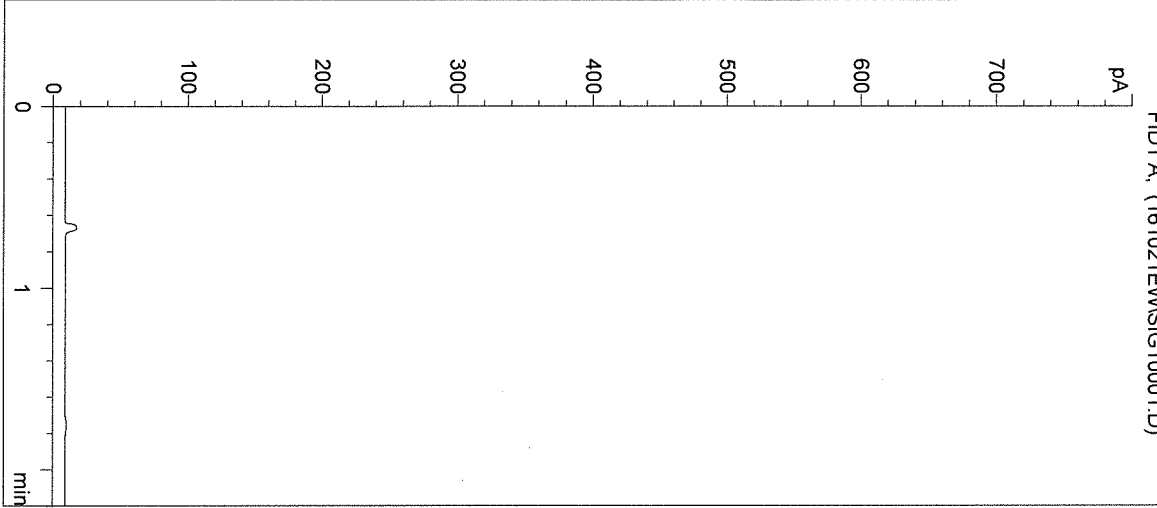
n-Propanol at exp. RT: 1.767
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

16040
BWD 10-26-16

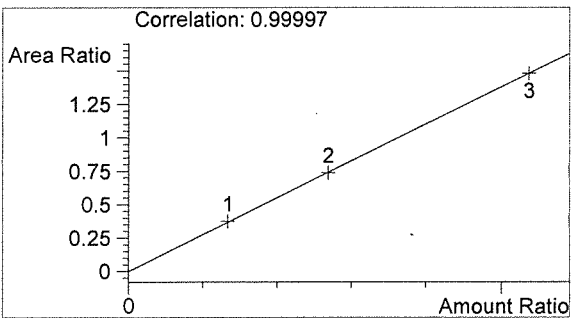
EW

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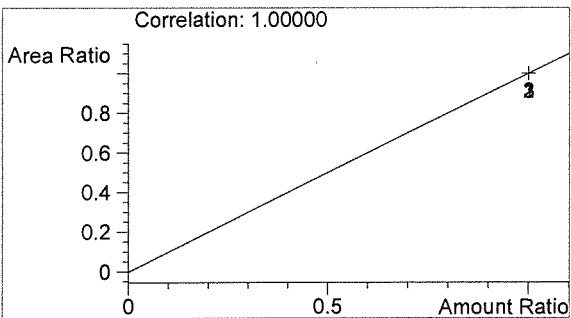
Inj. Date: 10/21/2016 1:15:30 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	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

BW

EW

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Inj. Date: 10/21/2016 1:18:48 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

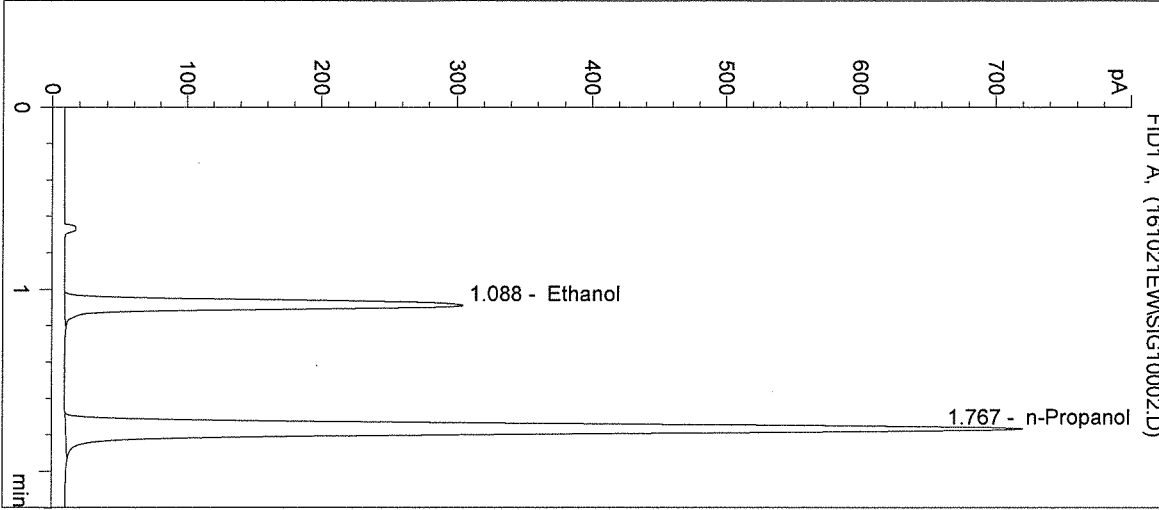
Operator: Elizabeth Wehner

Column: DB-ALC1

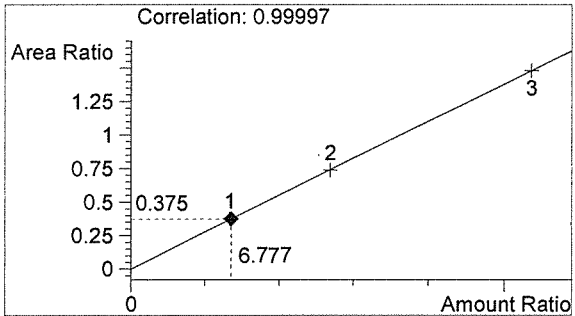
Location: Vial 2

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

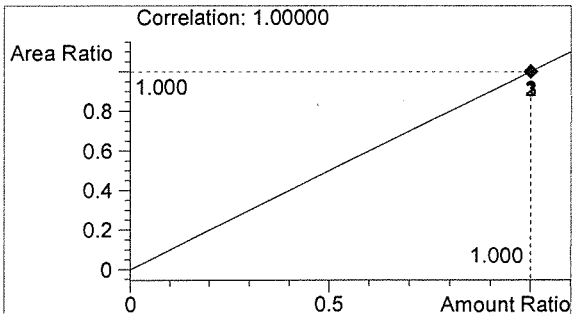
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1012	1.088
2	n-Propanol	2695	1.767



Ethanol 0.081 g/100mL



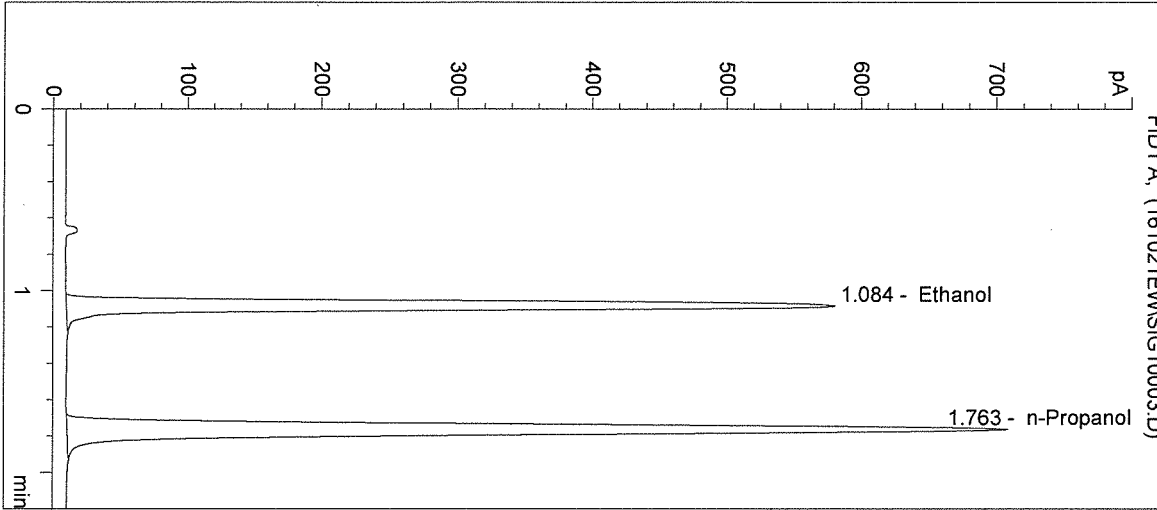
n-Propanol 0.012 g/100mL

AW

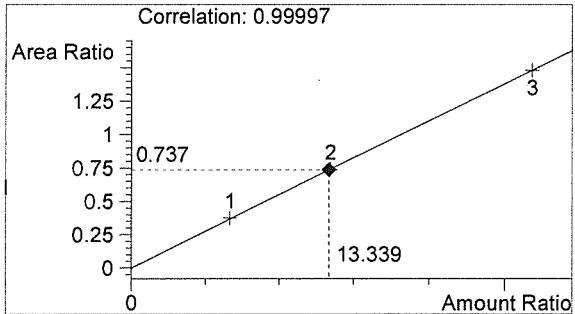
EW

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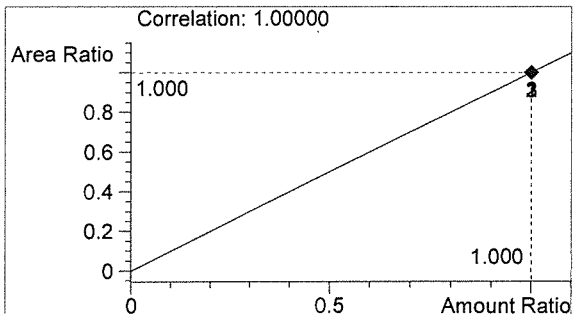
Inj. Date: 10/21/2016 1:22:05 PM Sample Name: 0.158 CAL 2
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 3
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1939	1.084
2	n-Propanol	2630	1.763



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

AWO

EW

Inj. Date: 10/21/2016 1:25:22 PM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

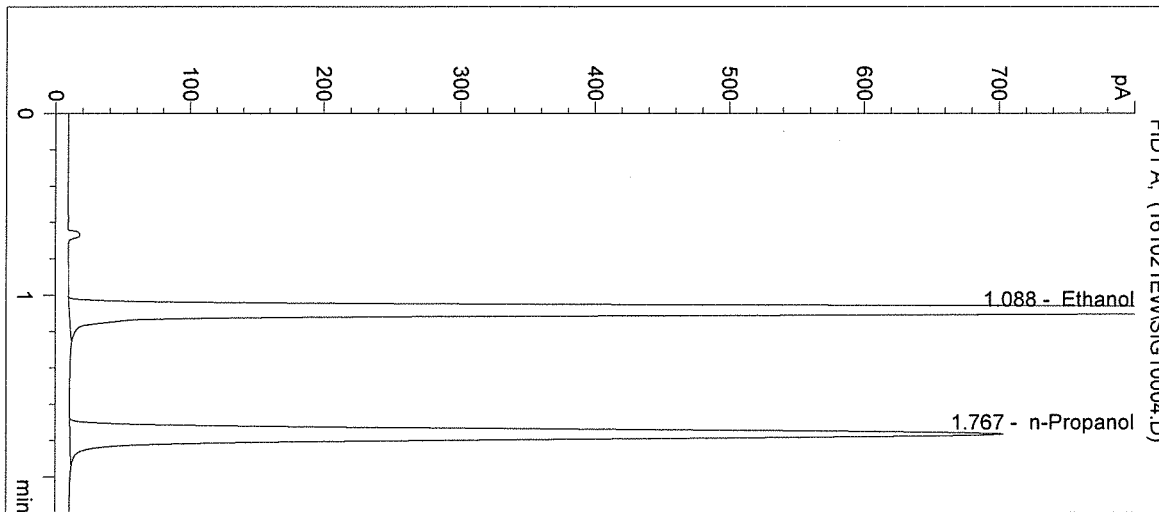
Operator: Elizabeth Wehner

Column: DB-ALC1

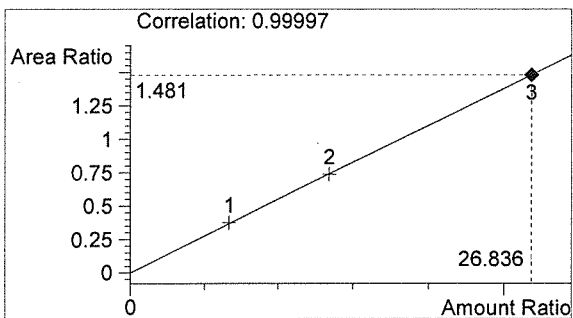
Location: Vial 4

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

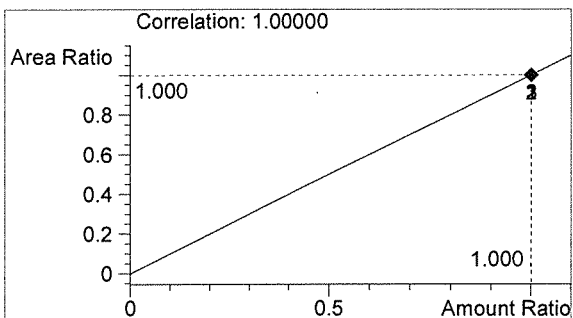
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	3883	1.088
2	n-Propanol	2621	1.767



Ethanol 0.322 g/100mL



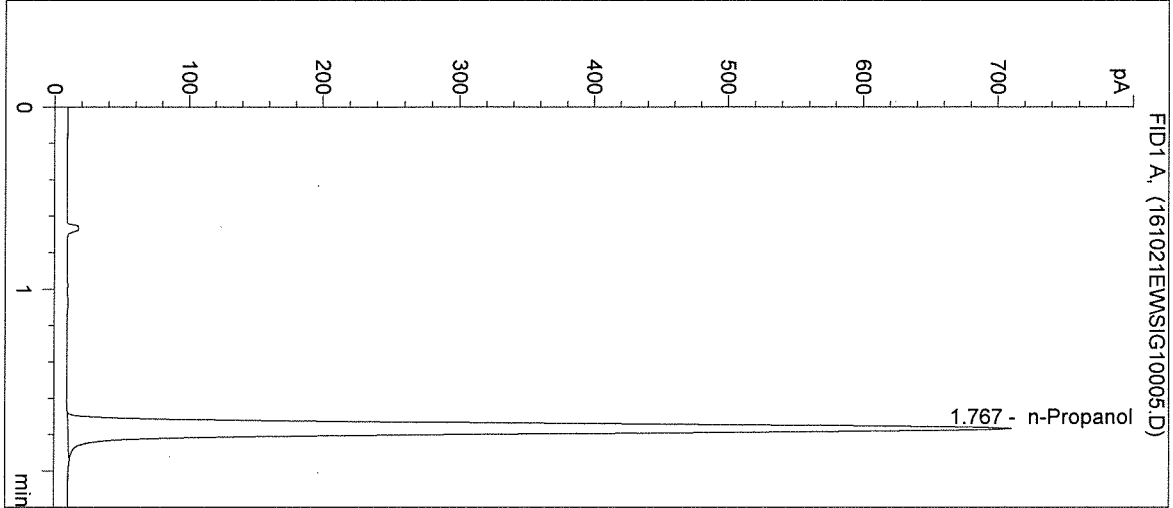
n-Propanol 0.012 g/100mL

AWO

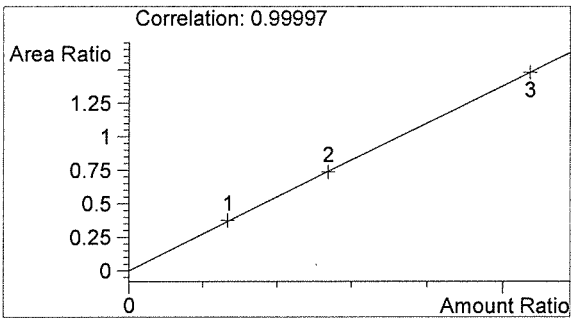
EW

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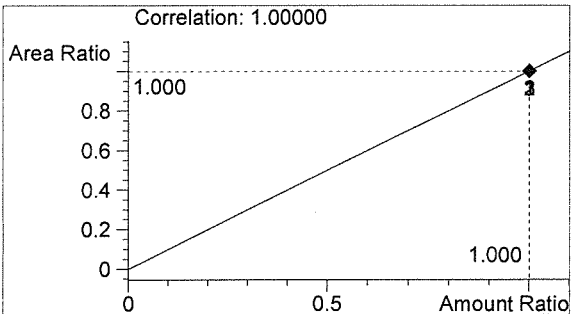
Inj. Date: 10/21/2016 1:28:35 PM Sample Name: NEG CTRL
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 5
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2650	1.767



Ethanol 0.000 g/100mL



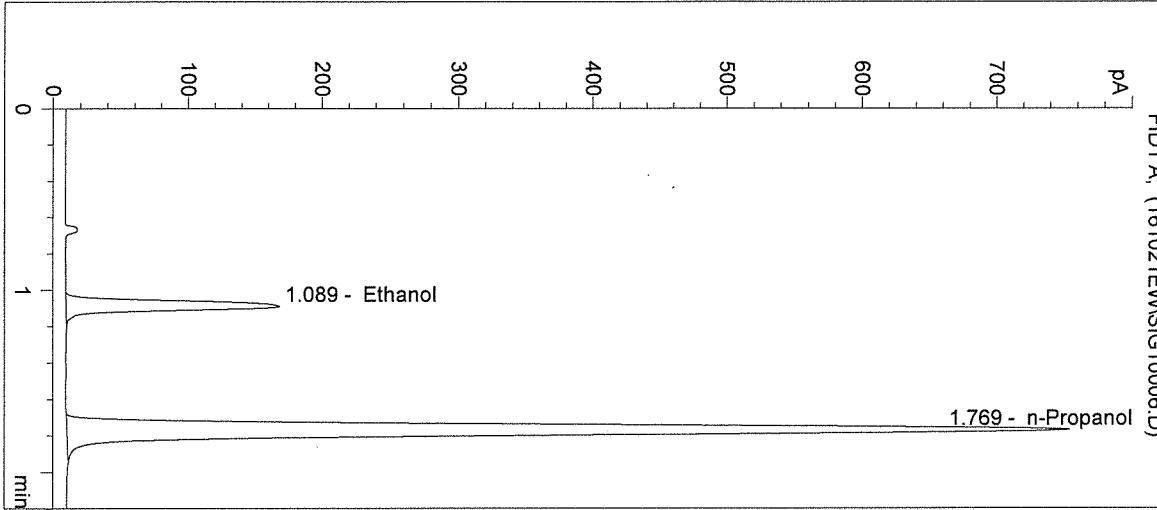
n-Propanol 0.012 g/100mL

AW

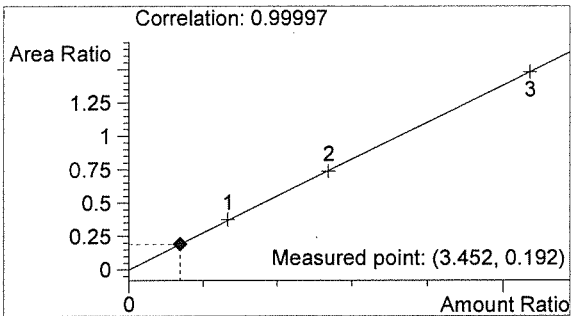
EW

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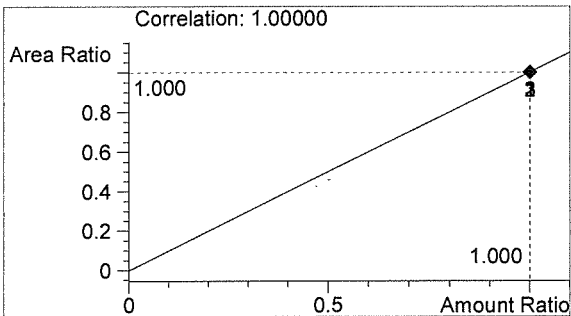
Inj. Date: 10/21/2016 1:31:48 PM Sample Name: 0.04 CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 6
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	547	1.089
2	n-Propanol	2846	1.769



Ethanol 0.041 g/100mL



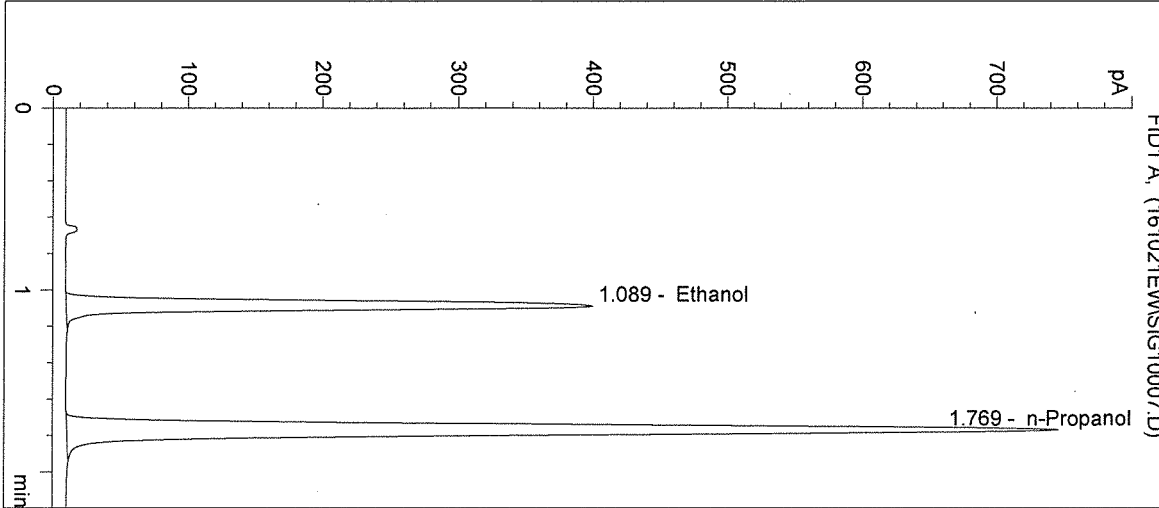
n-Propanol 0.012 g/100mL

BW

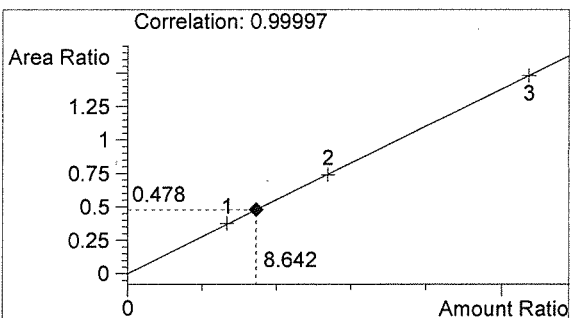
EW

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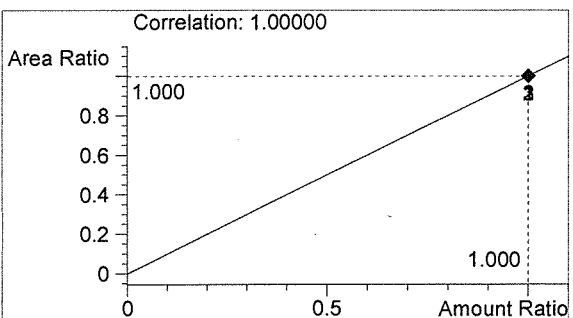
Inj. Date: 10/21/2016 1:35:02 PM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 7
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1343	1.089
2	n-Propanol	2808	1.769



Ethanol 0.104 g/100mL



n-Propanol 0.012 g/100mL

RLW

EW

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Inj. Date: 10/21/2016 1:38:14 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

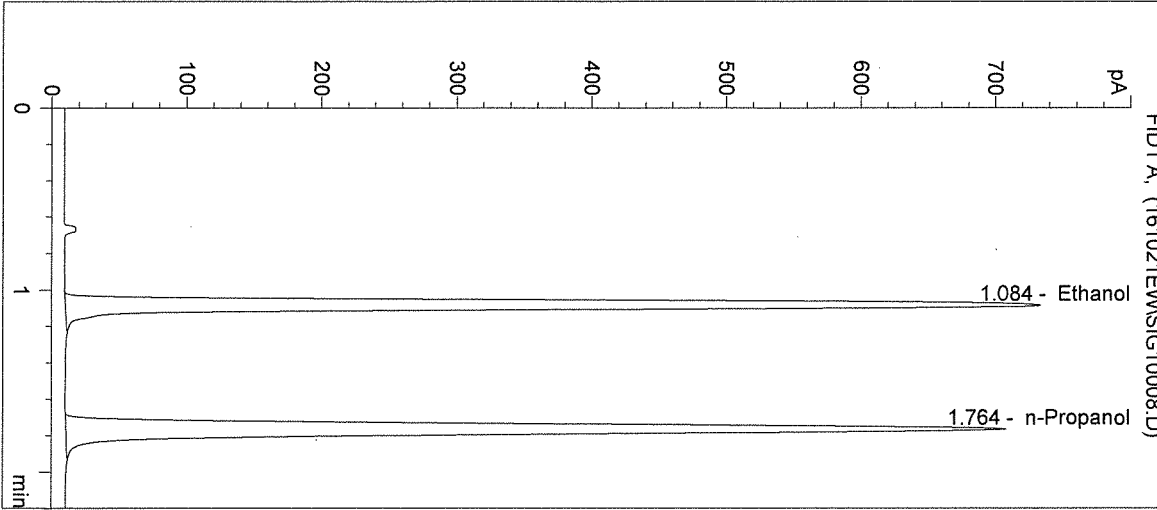
Operator: Elizabeth Wehner

Column: DB-ALC1

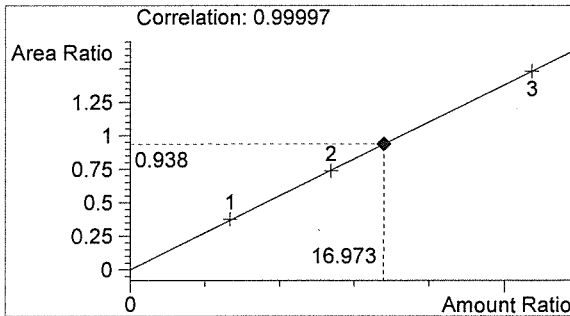
Location: Vial 8

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

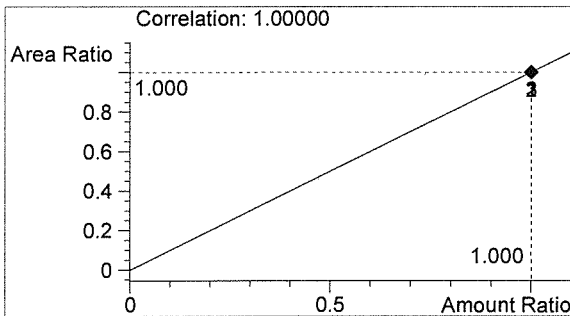
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	2454	1.084
2	n-Propanol	2617	1.764



Ethanol 0.204 g/100mL



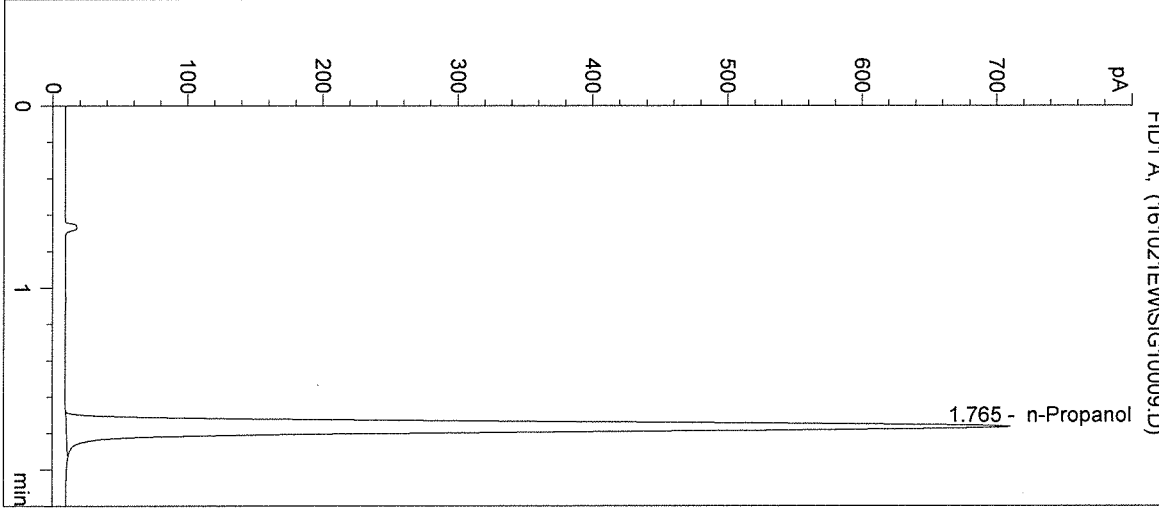
n-Propanol 0.012 g/100mL

BW

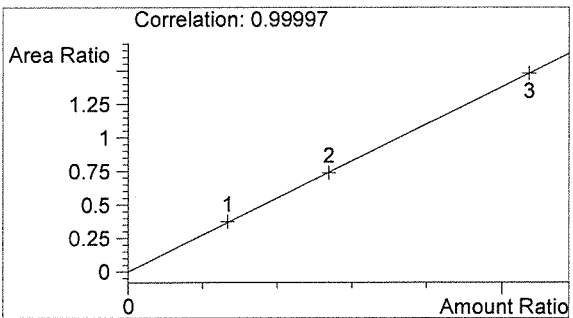
EW

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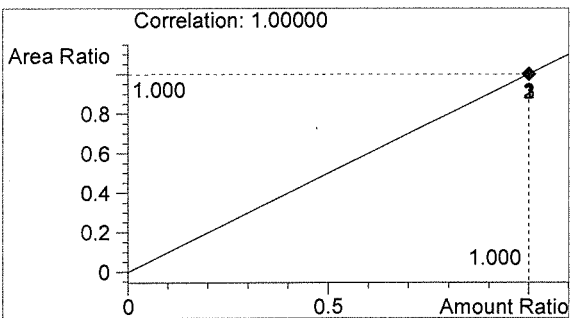
Inj. Date: 10/21/2016 1:41:28 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2636	1.765



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

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Inj. Date: 10/21/2016 1:44:40 PM

Sample Name: QAP 16040 #1

Instrument: HSGC#1

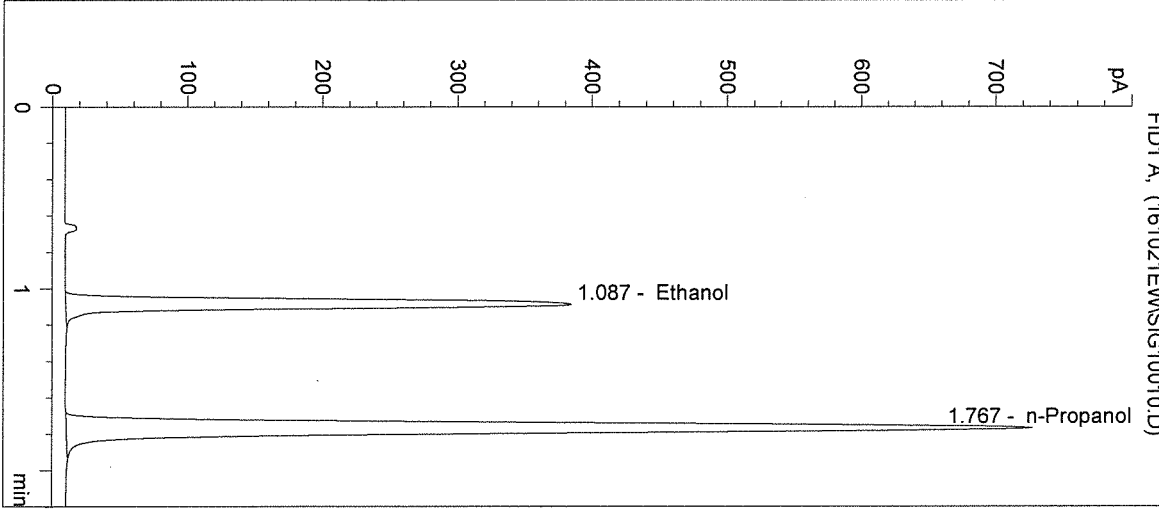
Operator: Elizabeth Wehner

Column: DB-ALC1

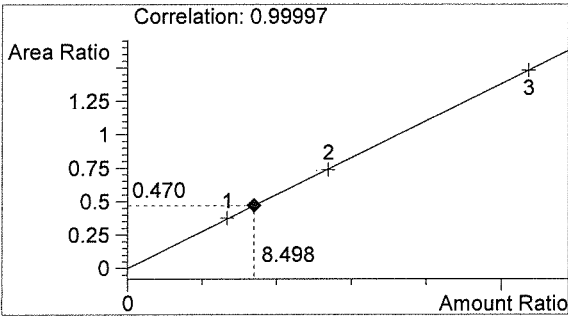
Location: Vial 10

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

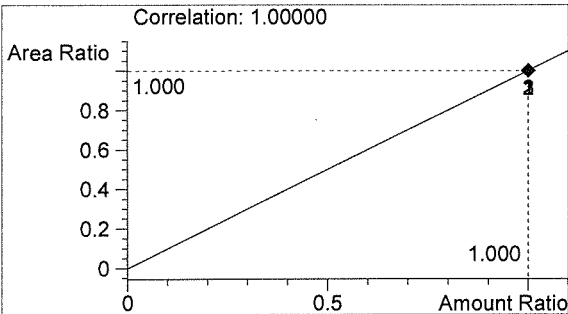
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1276	1.087
2	n-Propanol	2712	1.767



Ethanol 0.102 g/100mL



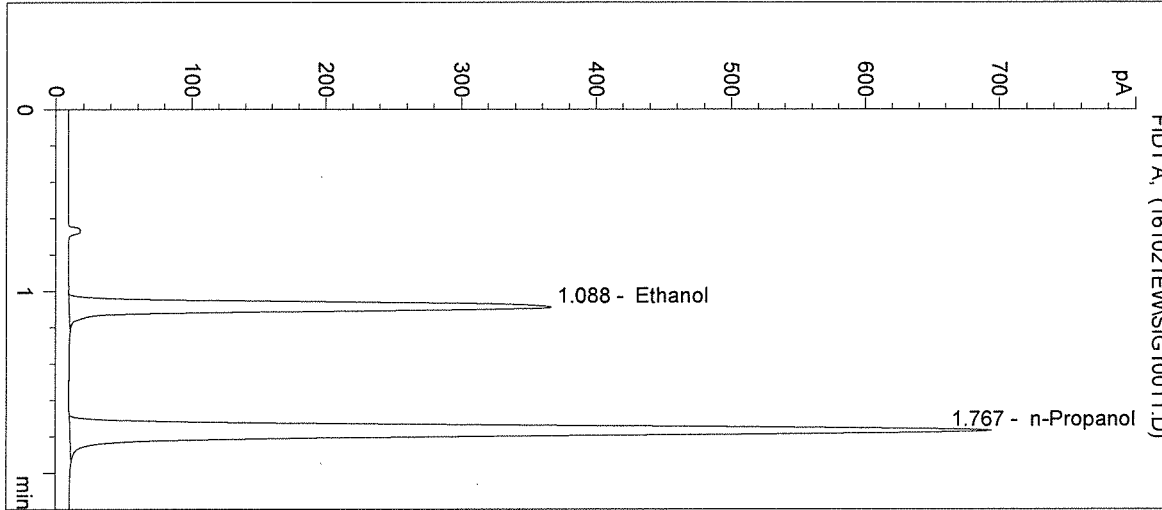
n-Propanol 0.012 g/100mL

AW

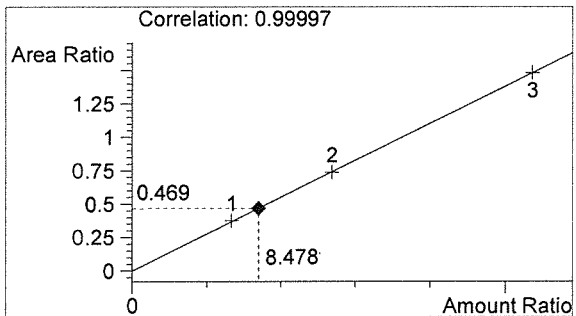
EW

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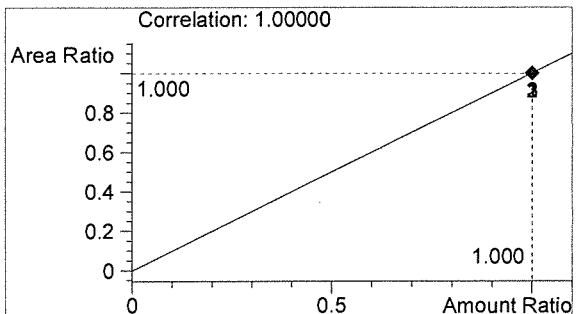
Inj. Date: 10/21/2016 1:47:54 PM Sample Name: QAP 16040 #2
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 11
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1219	1.088
2	n-Propanol	2597	1.767



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

Inj. Date: 10/21/2016 1:51:07 PM

Sample Name: QAP 16040 #3

Instrument: HSGC#1

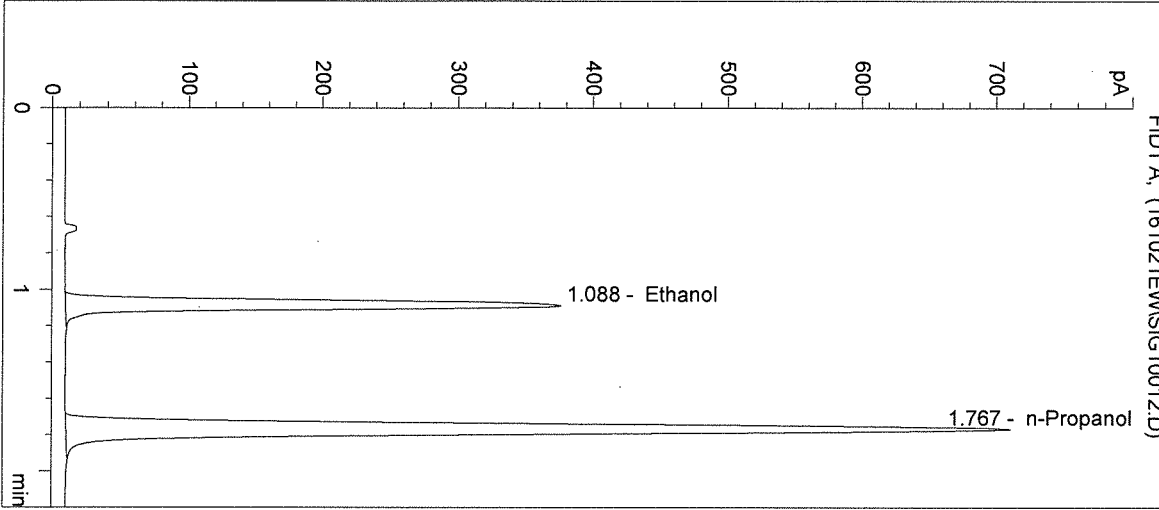
Operator: Elizabeth Wehner

Column: DB-ALC1

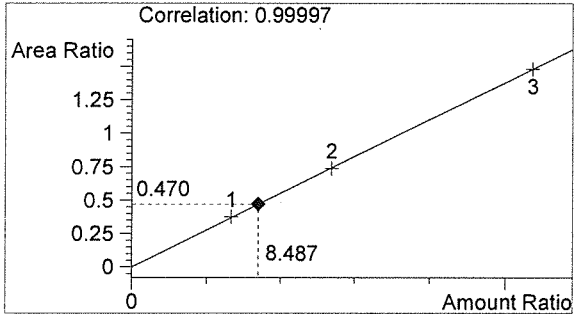
Location: Vial 12

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

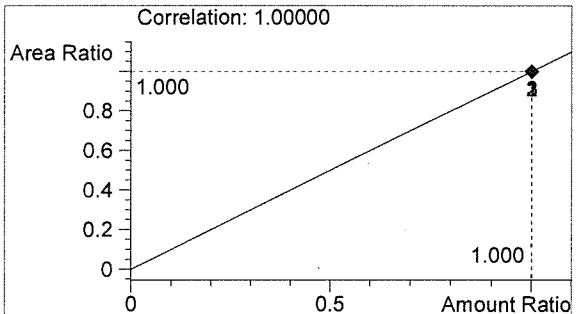
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1246	1.088
2	n-Propanol	2653	1.767



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

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Inj. Date: 10/21/2016 1:54:20 PM

Sample Name: QAP 16040 #4

Instrument: HSGC#1

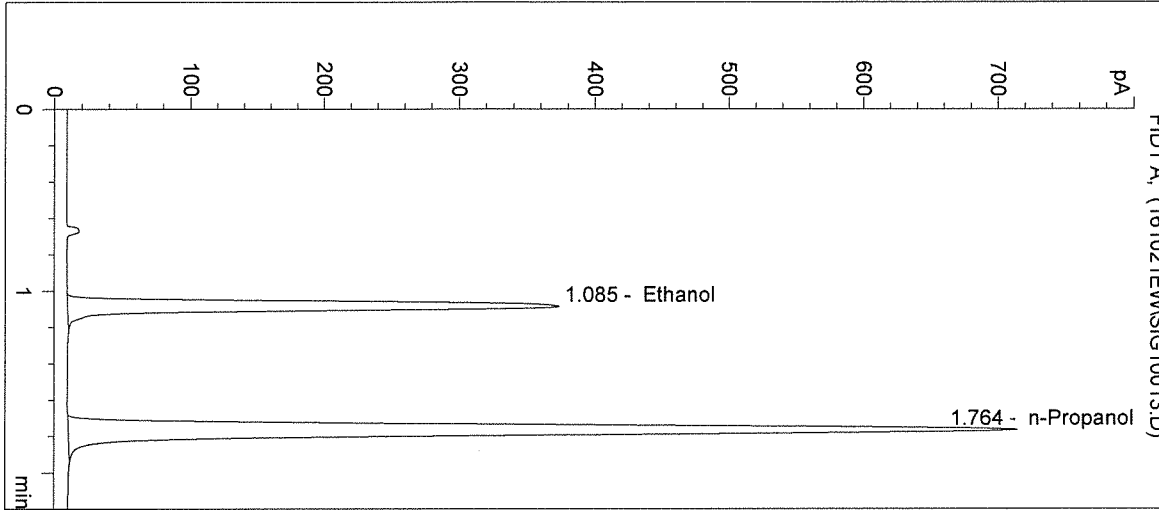
Operator: Elizabeth Wehner

Column: DB-ALC1

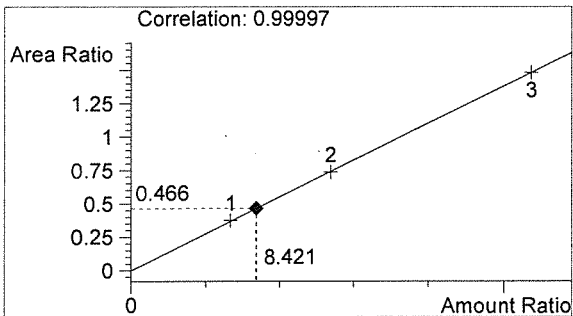
Location: Vial 13

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

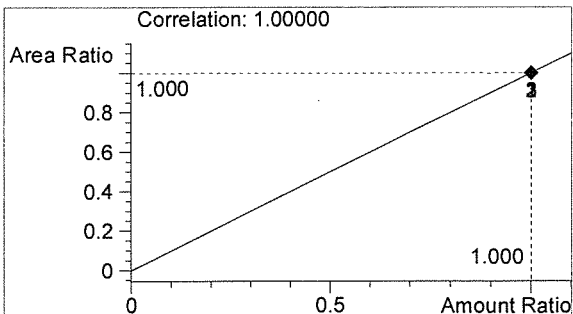
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1233	1.085
2	n-Propanol	2645	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

Inj. Date: 10/21/2016 1:57:33 PM

Sample Name: QAP 16040 #5

Instrument: HSGC#1

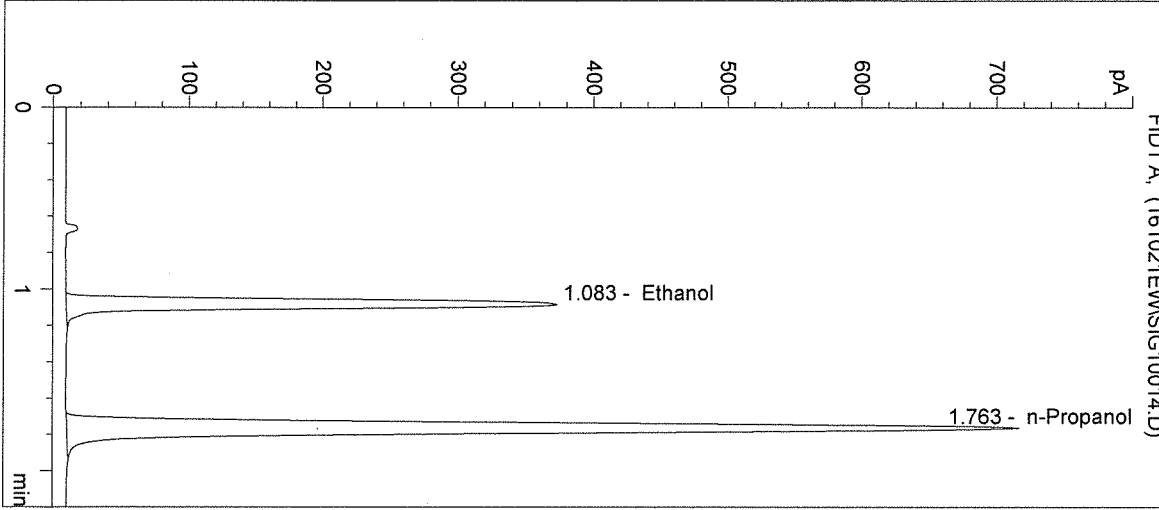
Operator: Elizabeth Wehner

Column: DB-ALC1

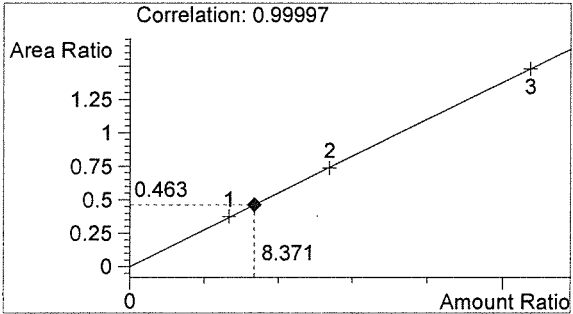
Location: Vial 14

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

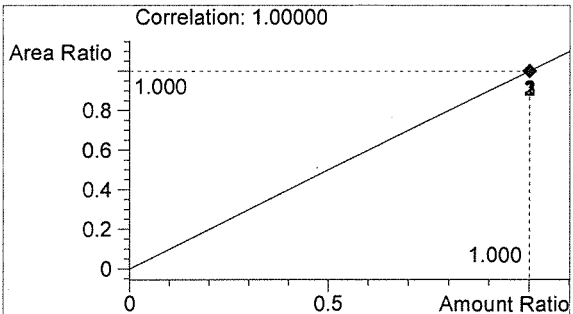
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1229	1.083
2	n-Propanol	2652	1.763



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

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Inj. Date: 10/21/2016 2:00:47 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

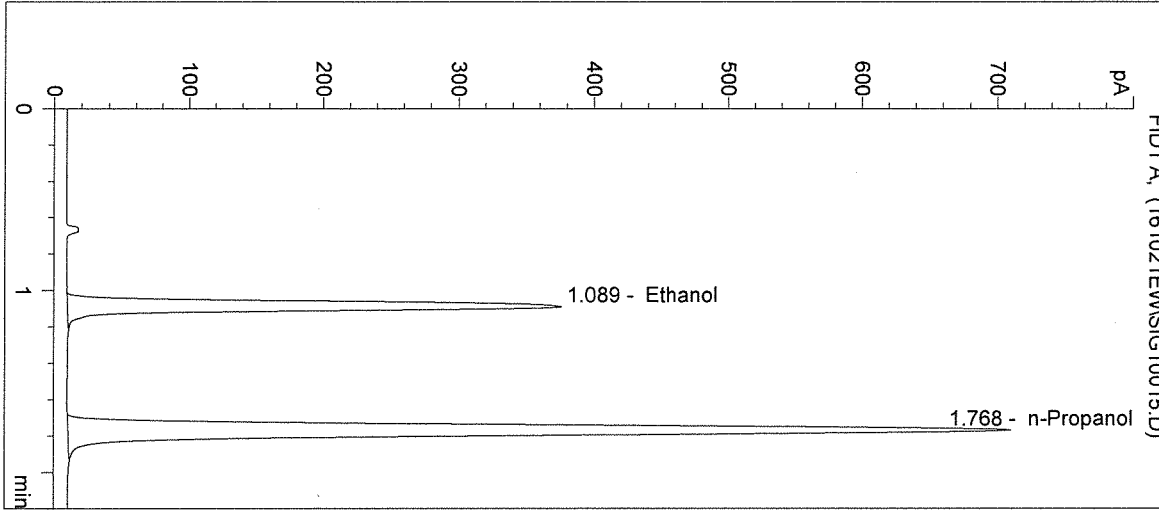
Operator: Elizabeth Wehner

Column: DB-ALC1

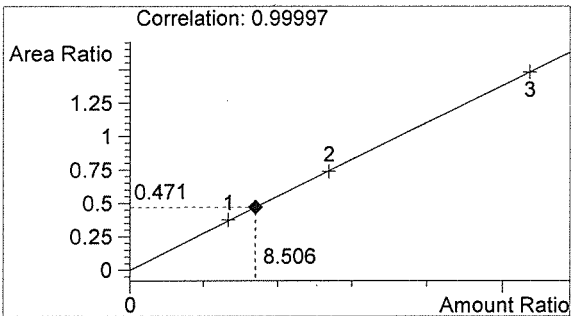
Location: Vial 15

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

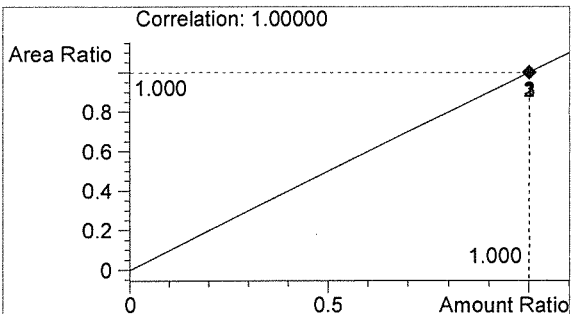
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1252	1.089
2	n-Propanol	2660	1.768



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

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Inj. Date: 10/21/2016 2:04:00 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

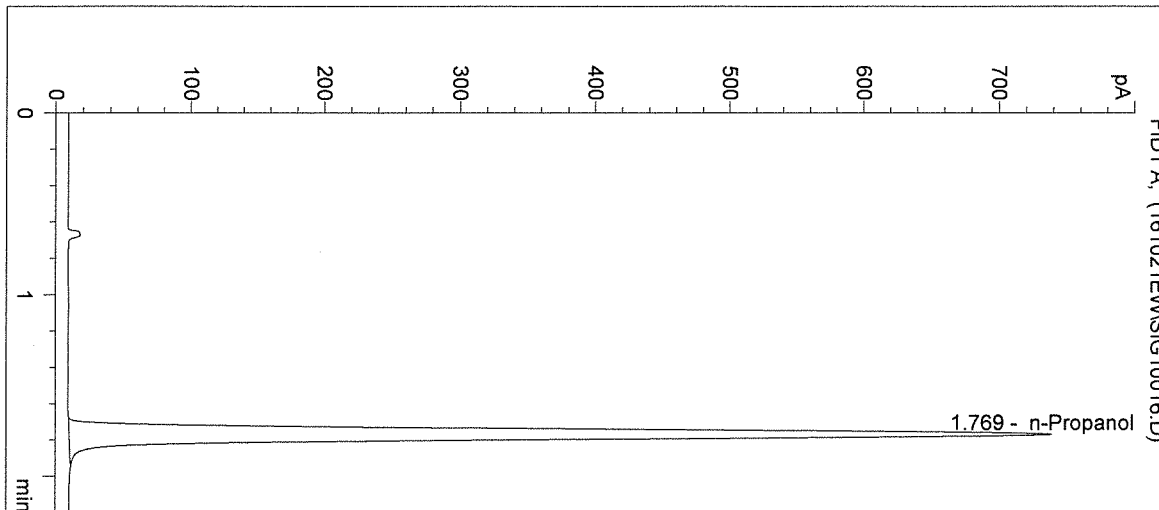
Operator: Elizabeth Wehner

Column: DB-ALC1

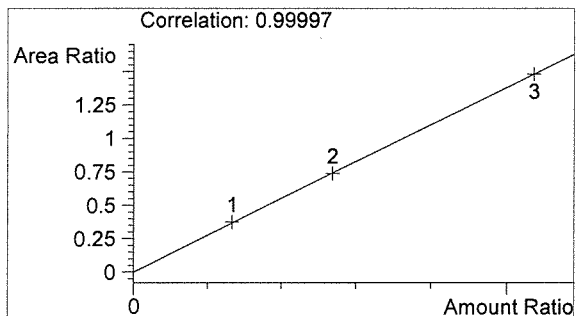
Location: Vial 16

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

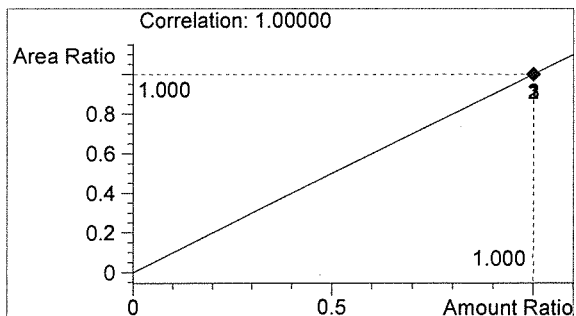
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2781	1.769



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

BW

EW

Sequence Parameters:

Operator: Naziha Nuwayhid, PhD
 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: 161024N2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017
 CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017
 CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017

n-Propanol ISTD - LOT# P0916 - 12/21/2016

CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls vials 1-9 filed with 16040 Dilutor #1.

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	QAP 16040 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16040 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16040 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16040 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16040 #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	QAP 16041 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16041 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16041 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16041 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16041 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

Blk 10-26-16
~~16040~~
 Blk 10-26-16
~~16040~~
 16040
 Blk 10-26-16

M

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!

16040
PILLO 10-26-16

PILLO 10-26-16
~~161024 NZ~~

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

Calib. Data Modified : Monday, October 24, 2016 12:05:05 PM

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	8.00100e-2	1012.64984	7.90105e-5	1 Ethanol
		2 1.61200e-1	1957.78271	8.23380e-5	
		3 3.21790e-1	3958.24951	8.12960e-5	
1.765	1 1	1.20000e-2	2684.60083	4.46994e-6	I1 n-Propanol
		2 1.20000e-2	2644.79346	4.53722e-6	
		3 1.20000e-2	2644.13794	4.53834e-6	

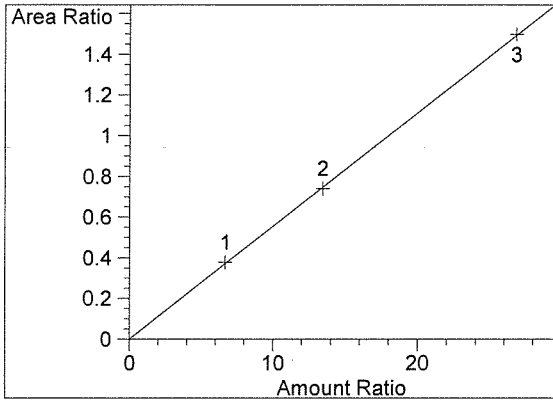
16040
 BUO 10-26-16

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

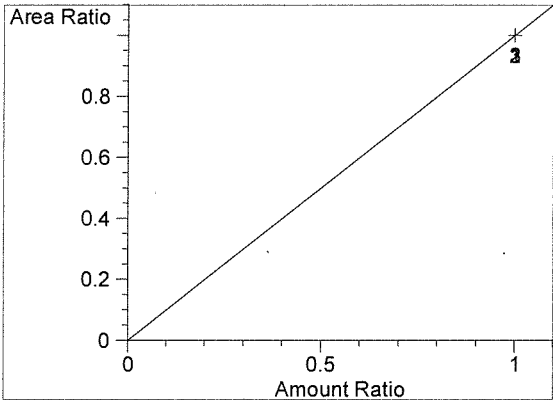
No Entries in table
 =====

BUO 10-26-16
 161024 N2

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



Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00737
Formula: $y = mx + b$
m: 5.57188e-2
b: 7.44539e-5
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.765
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

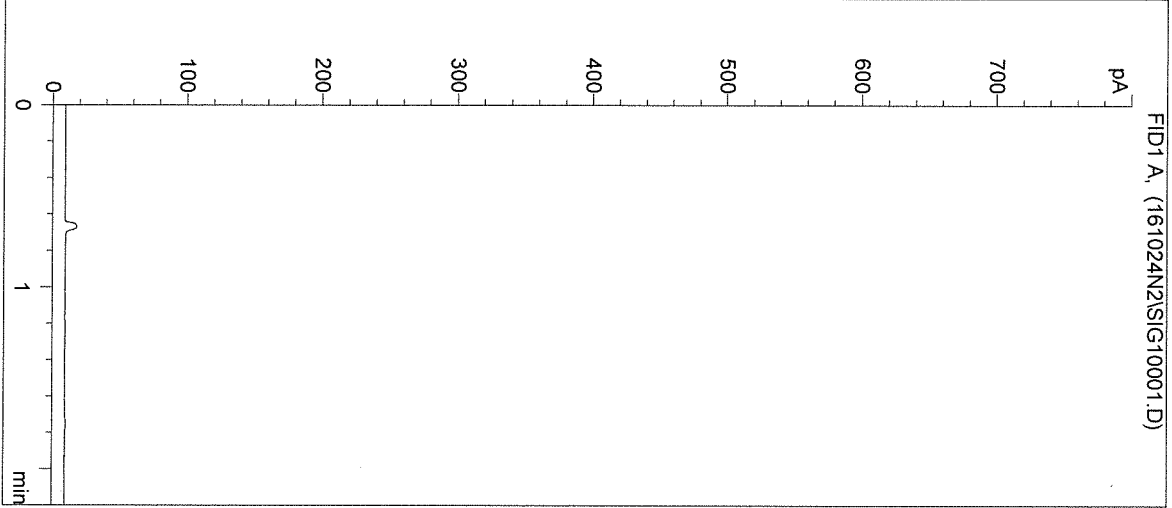
=====

16040
BLW 10-26-16

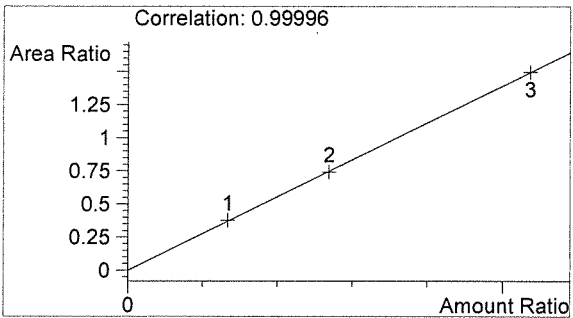
BLW 10-26-16
~~161024N2~~

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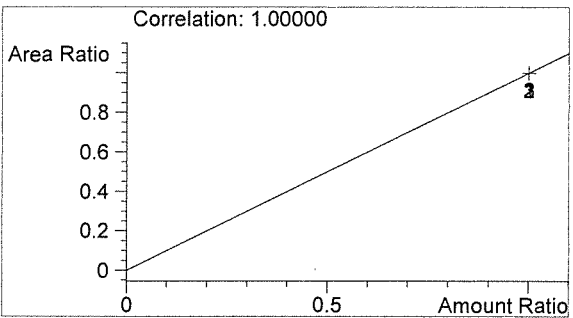
Inj. Date: 10/24/2016 11:53:00 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



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



Ethanol 0.000 g/100mL

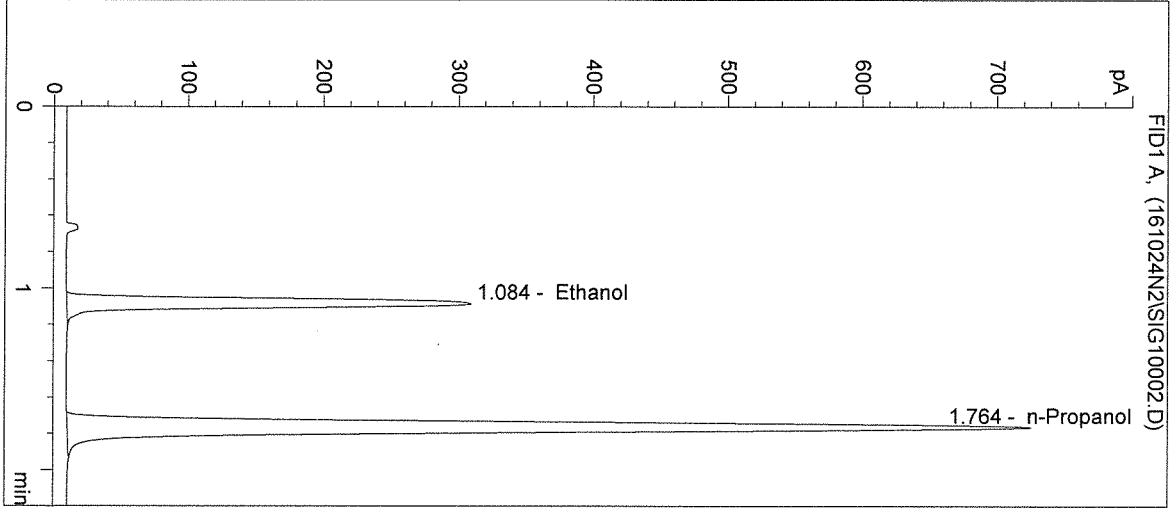


n-Propanol 0.000 g/100mL

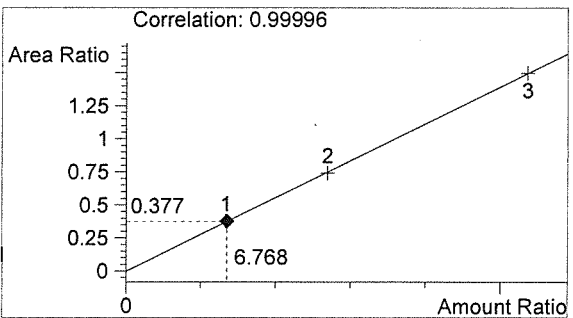
BWD

M

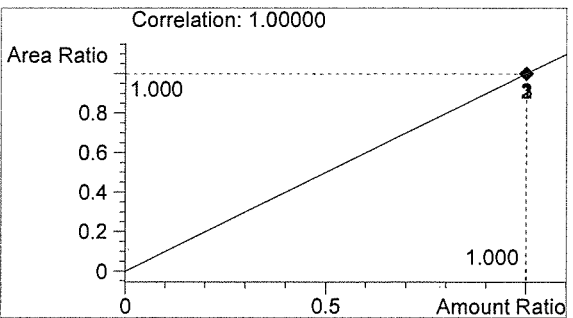
Inj. Date: 10/24/2016 11:56:17 AM Sample Name: 0.079 CAL 1
Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC1 Location: Vial 2
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1013	1.084
2	n-Propanol	2685	1.764



Ethanol 0.081 g/100mL

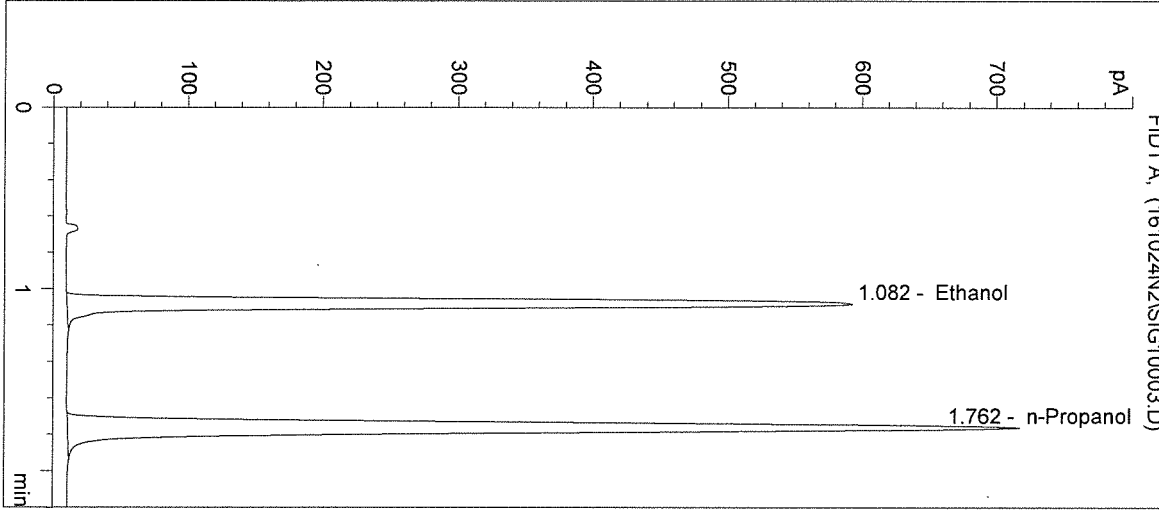


n-Propanol 0.012 g/100mL

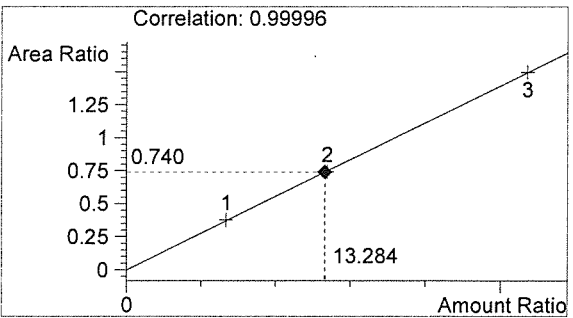
BW
KN

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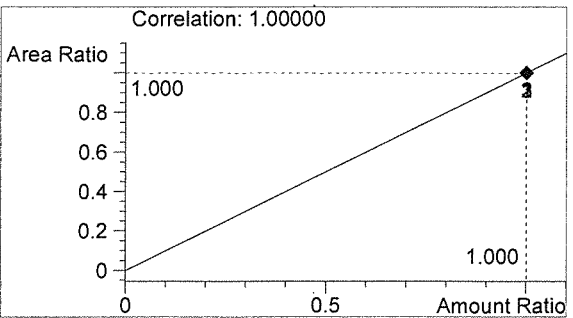
Inj. Date: 10/24/2016 11:59:35 AM Sample Name: 0.158 CAL 2
Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC1 Location: Vial 3
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1958	1.082
2	n-Propanol	2645	1.762



Ethanol 0.159 g/100mL

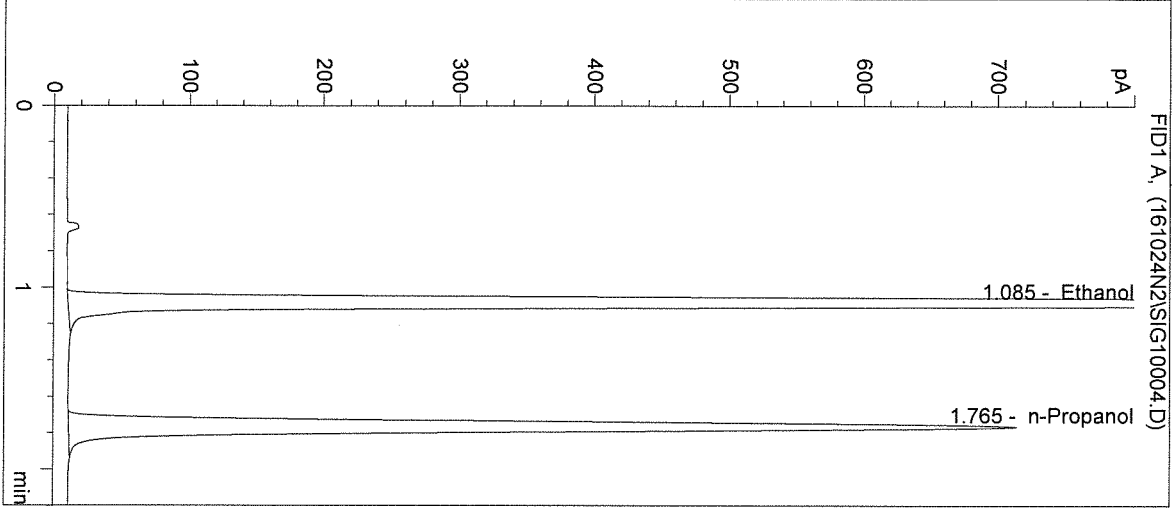


n-Propanol 0.012 g/100mL

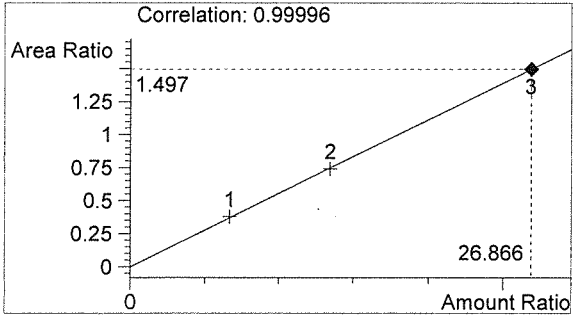
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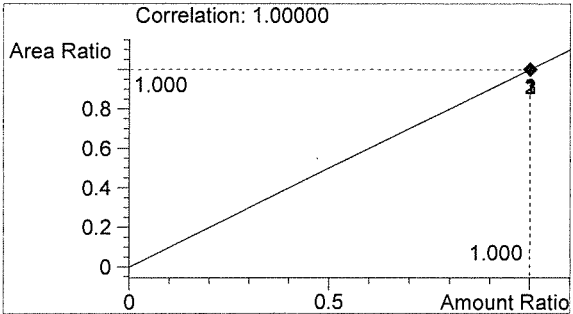
Inj. Date: 10/24/2016 12:02:52 PM Sample Name: 0.316 CAL 3
Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC1 Location: Vial 4
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	3958	1.085
2	n-Propanol	2644	1.765



Ethanol 0.322 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:06:05 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

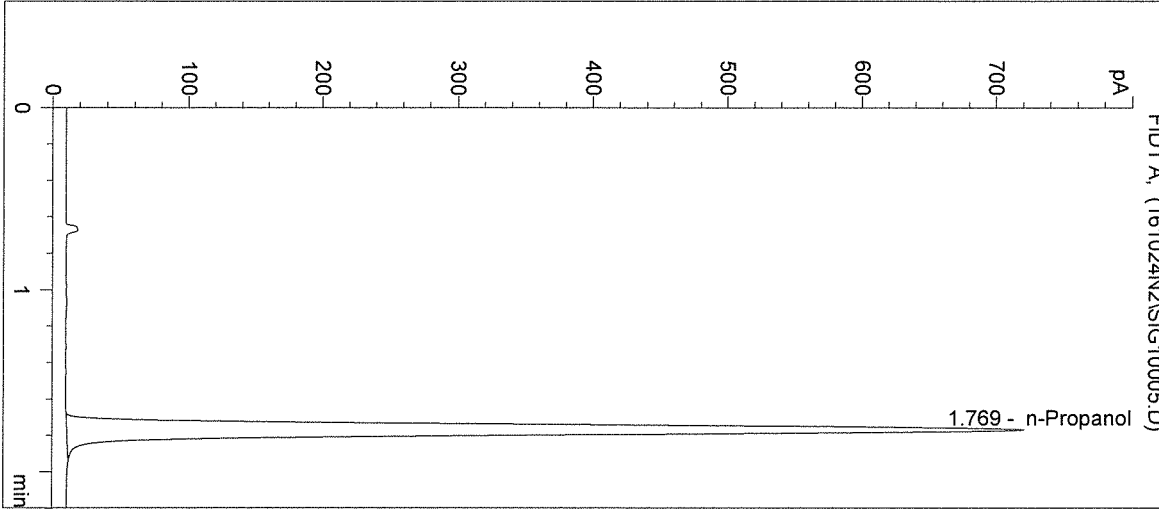
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

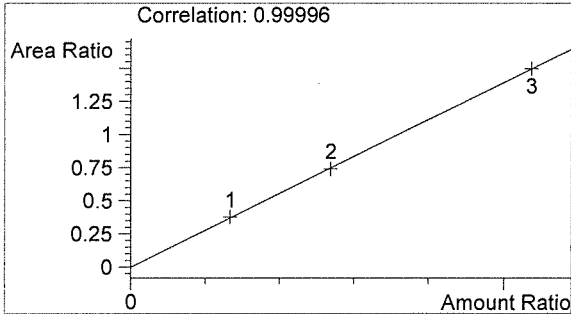
Location: Vial 5

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

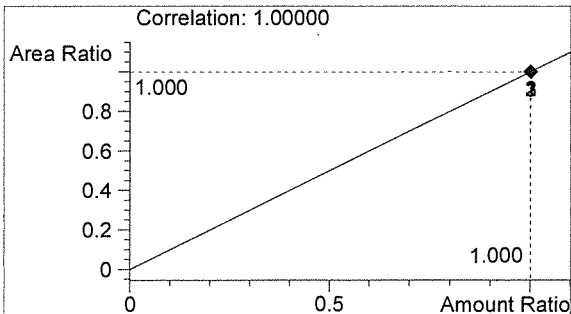
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2697	1.769



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:09:18 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

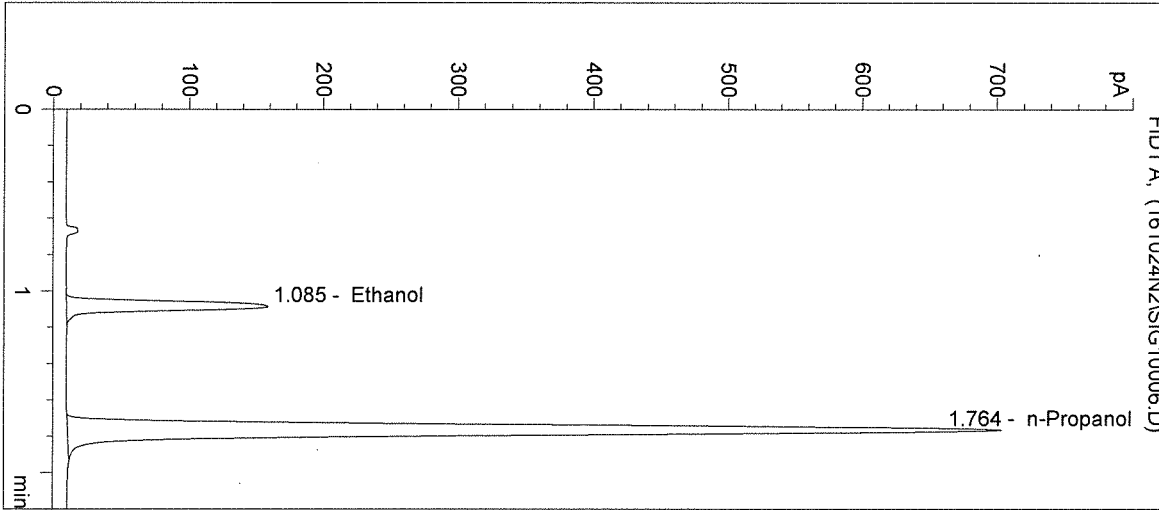
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

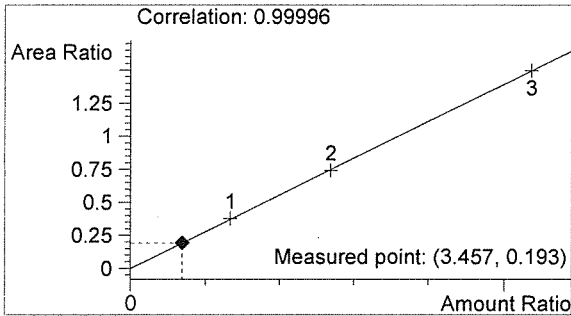
Location: Vial 6

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

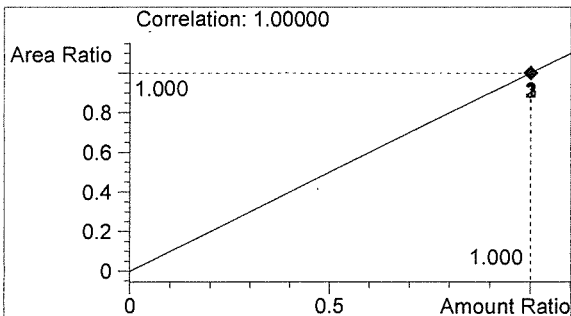
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	502	1.085
2	n-Propanol	2605	1.764



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:12:32 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

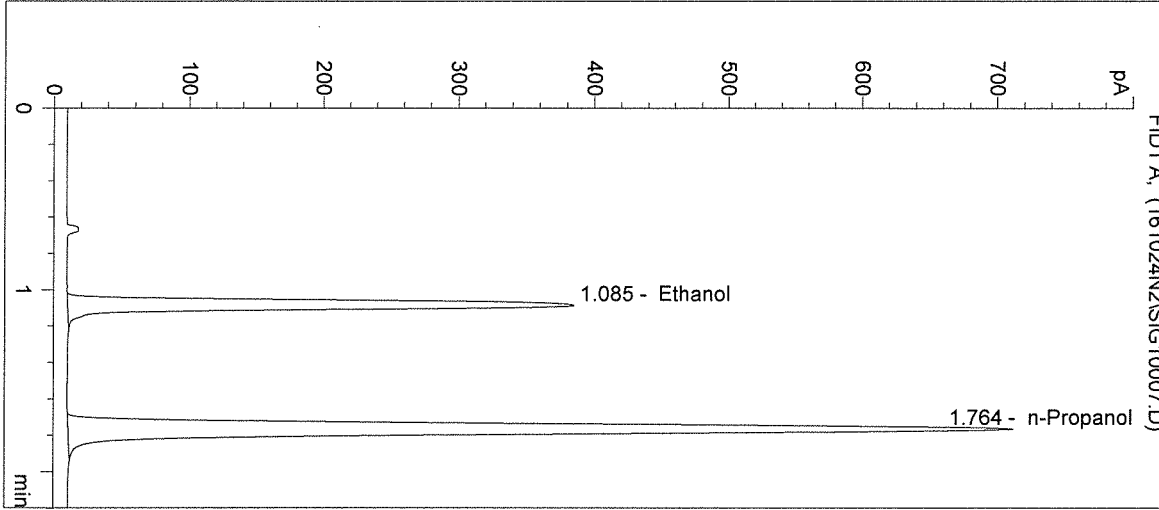
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

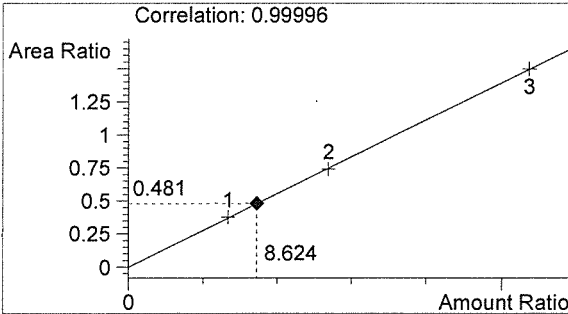
Location: Vial 7

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

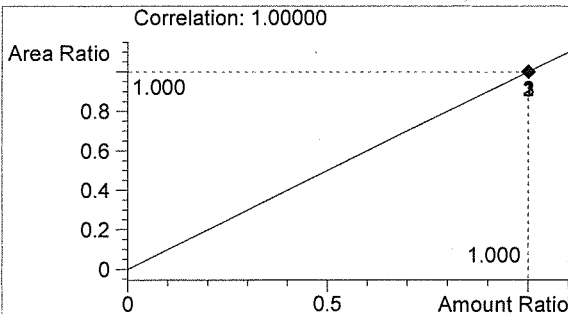
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1268	1.085
2	n-Propanol	2638	1.764



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:15:45 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

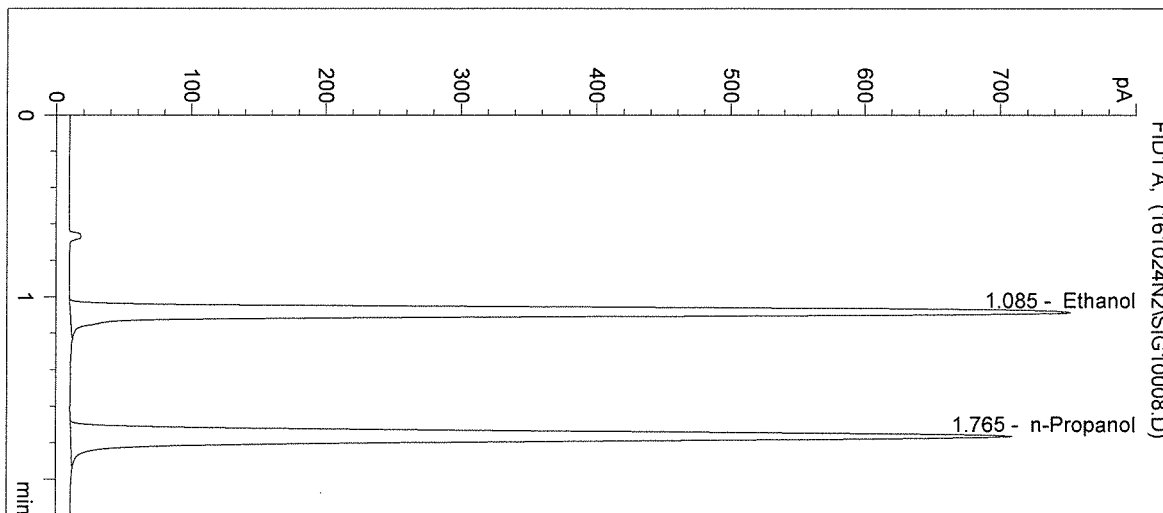
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

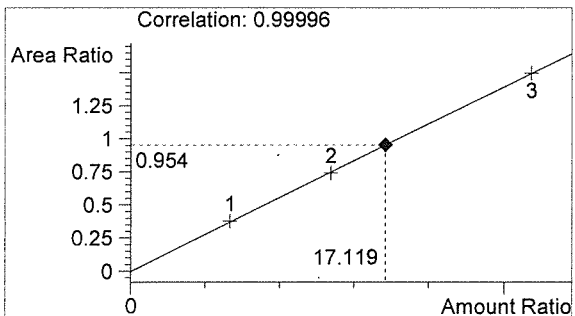
Location: Vial 8

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

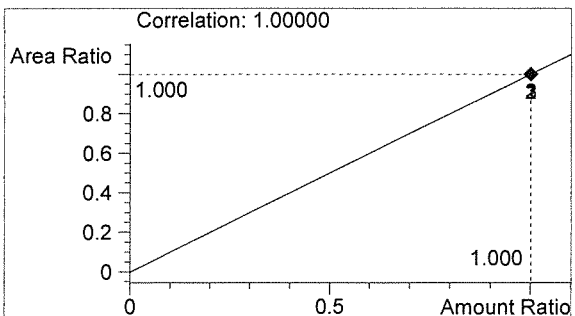
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	2504	1.085
2	n-Propanol	2625	1.765



Ethanol 0.205 g/100mL



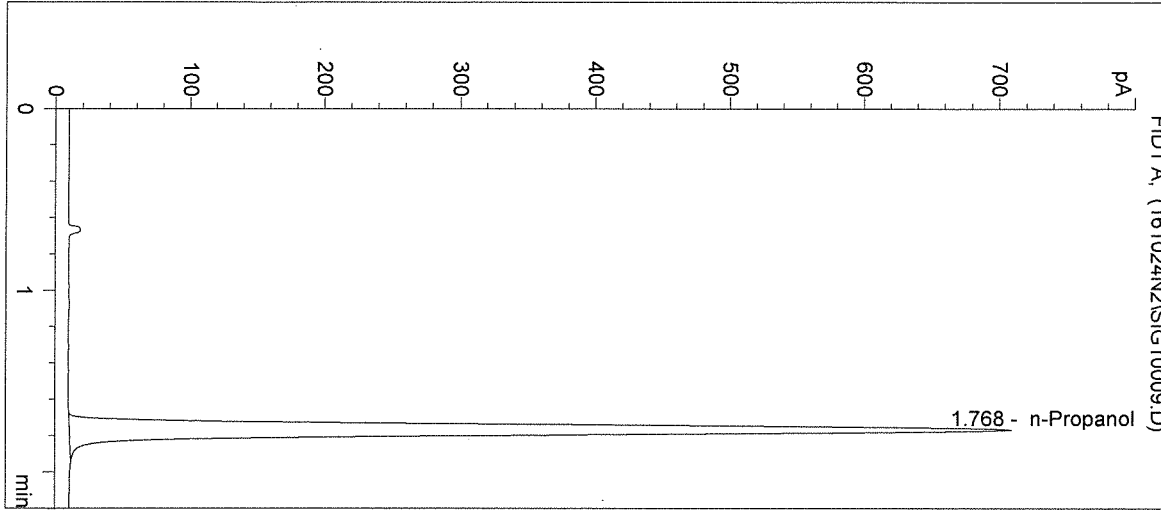
n-Propanol 0.012 g/100mL

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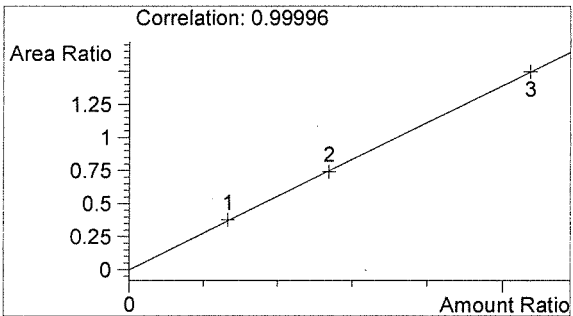
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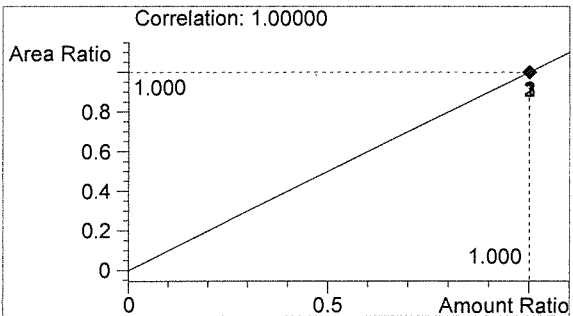
Inj. Date: 10/24/2016 12:18:58 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2648	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:22:11 PM

Sample Name: QAP 16040 #1

Instrument: HSGC#1

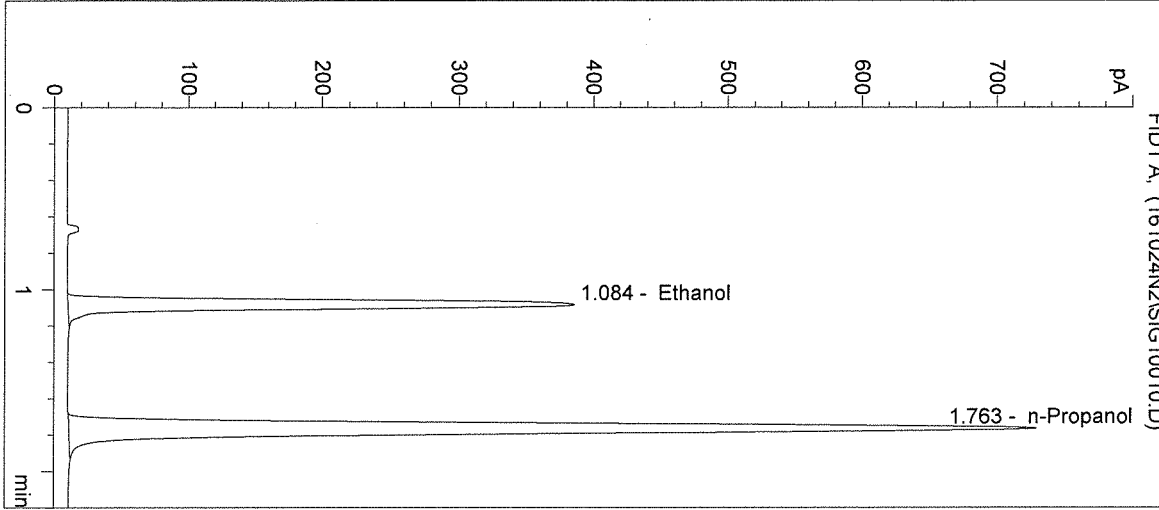
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

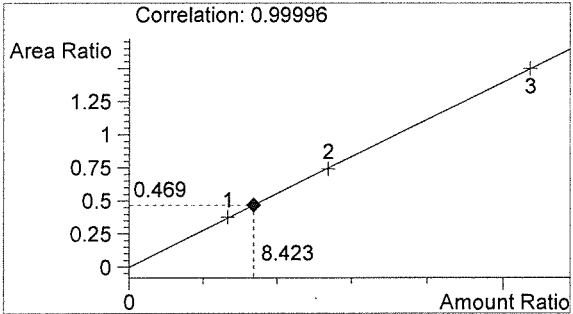
Location: Vial 10

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

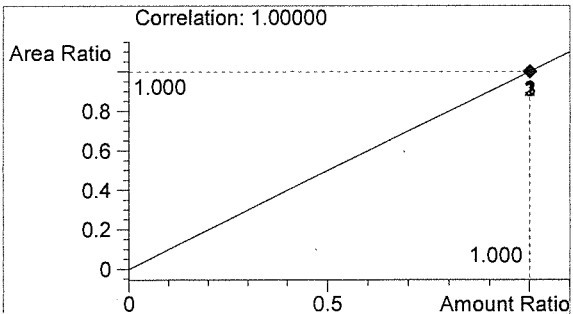
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1263	1.084
2	n-Propanol	2690	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:25:24 PM

Sample Name: QAP 16040 #2

Instrument: HSGC#1

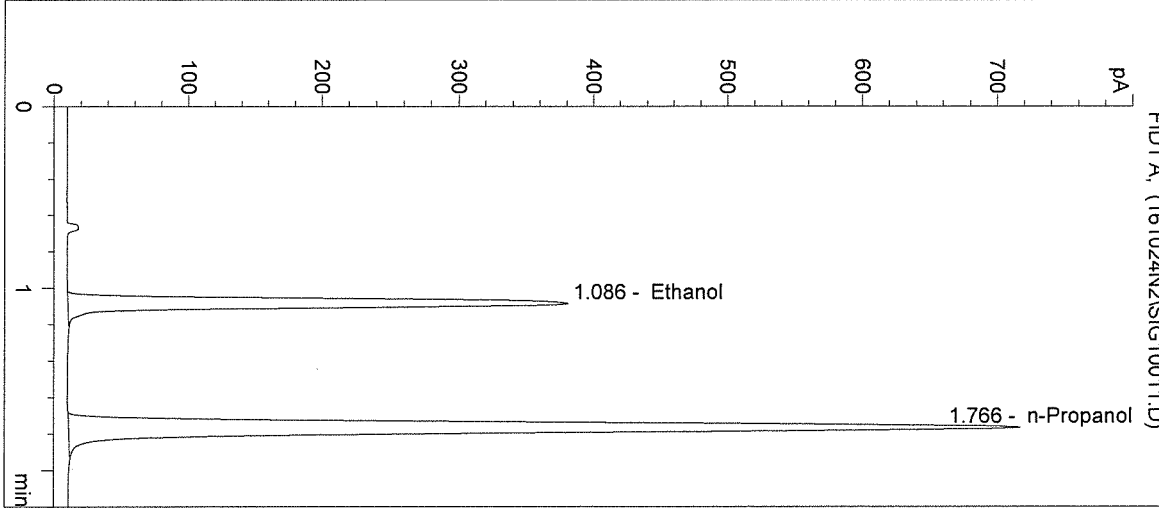
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

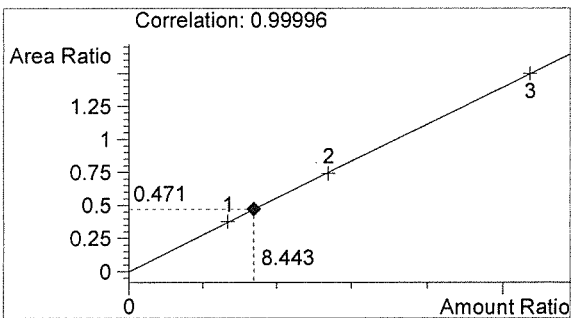
Location: Vial 11

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

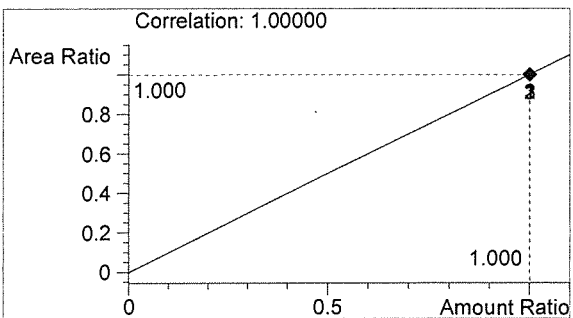
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.086
2	n-Propanol	2655	1.766



Ethanol 0.101 g/100mL

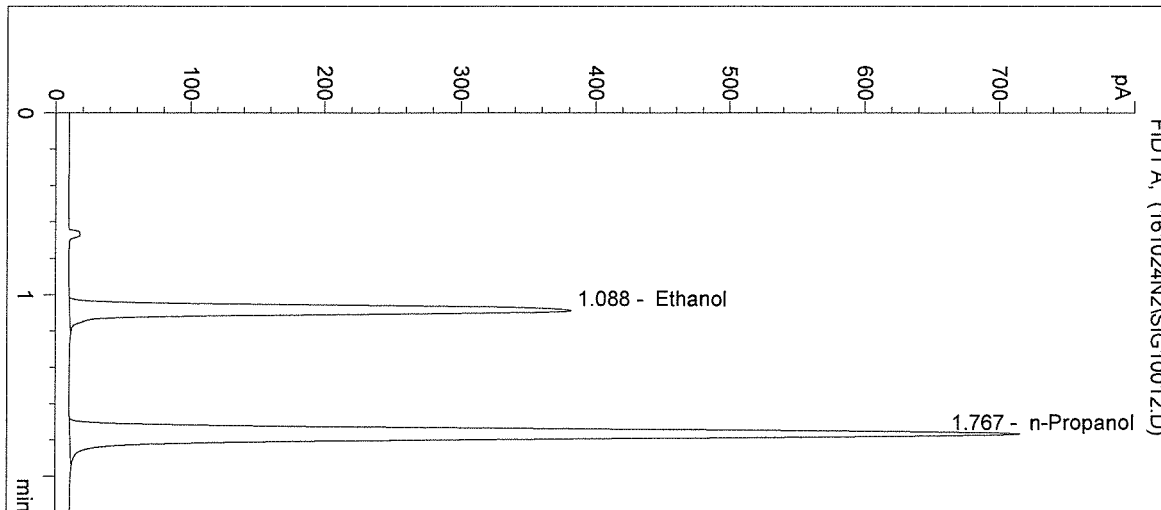


n-Propanol 0.012 g/100mL

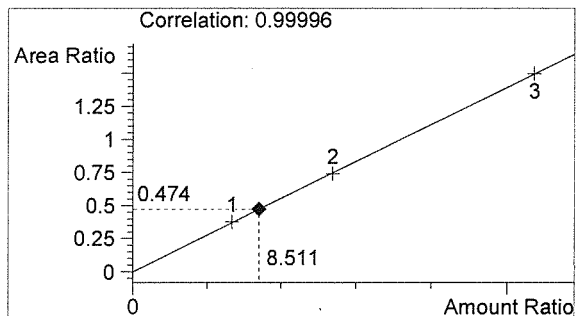
BLW

ML

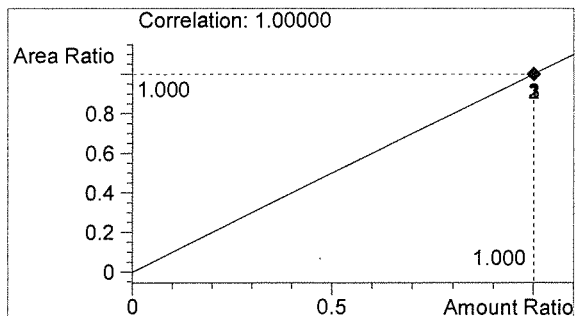
Inj. Date: 10/24/2016 12:28:38 PM Sample Name: QAP 16040 #3
Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC1 Location: Vial 12
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1261	1.088
2	n-Propanol	2659	1.767



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:31:51 PM

Sample Name: QAP 16040 #4

Instrument: HSGC#1

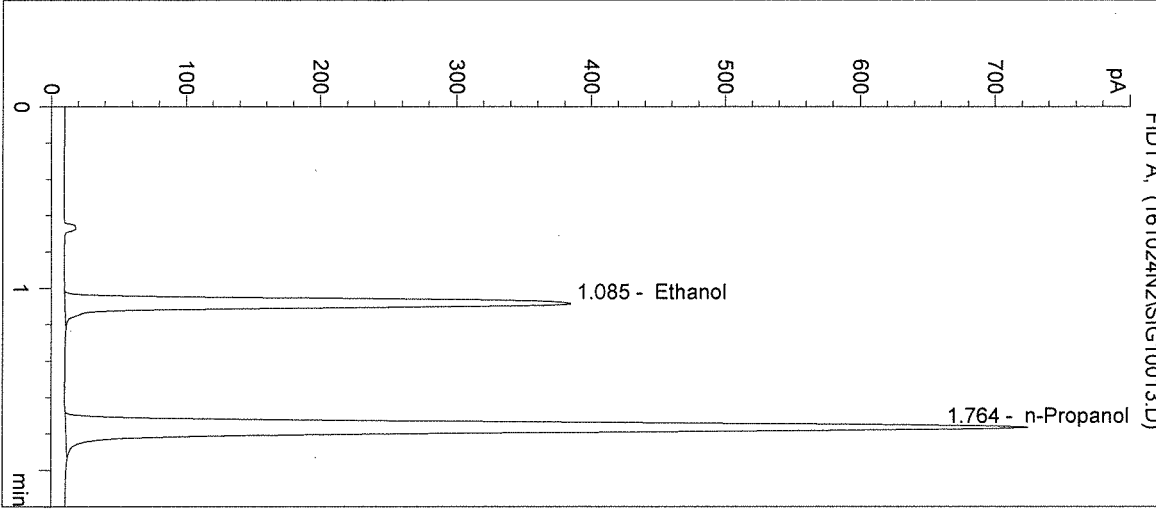
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

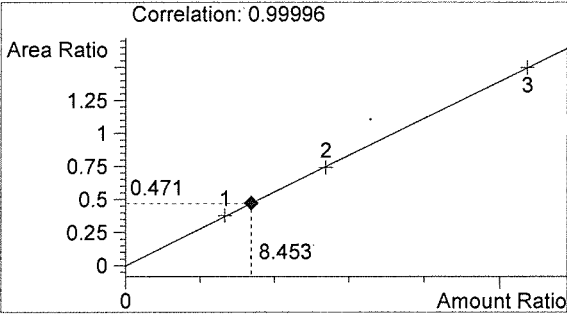
Location: Vial 13

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

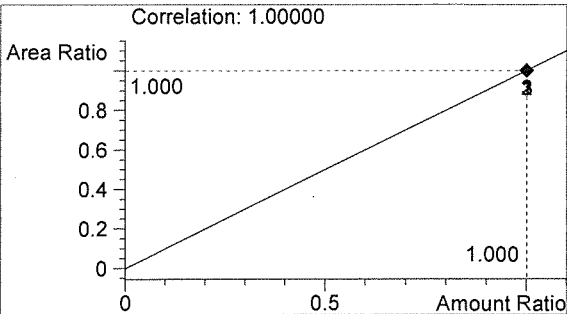
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.085
2	n-Propanol	2674	1.764



Ethanol 0.101 g/100mL

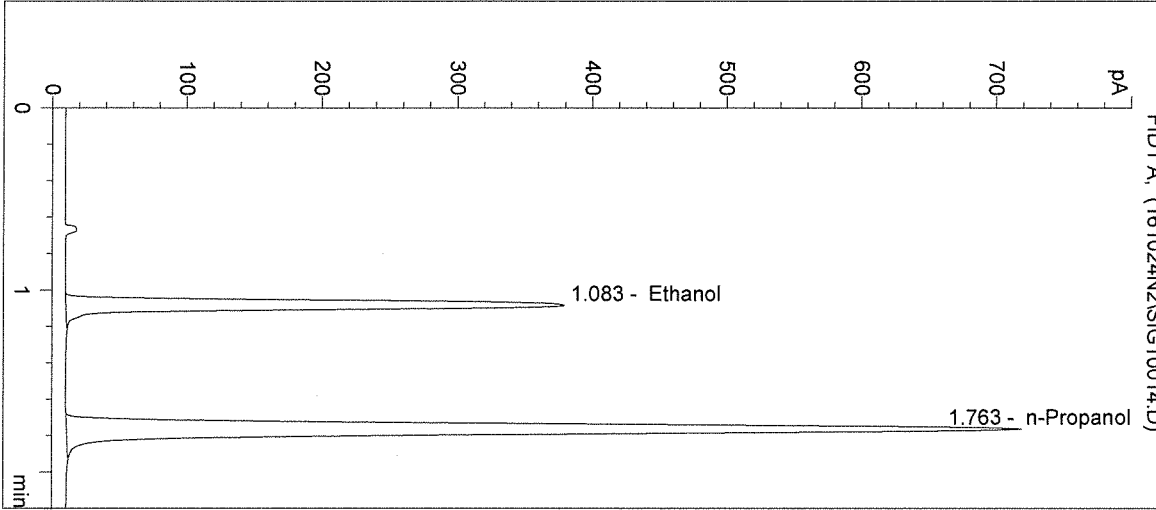


n-Propanol 0.012 g/100mL

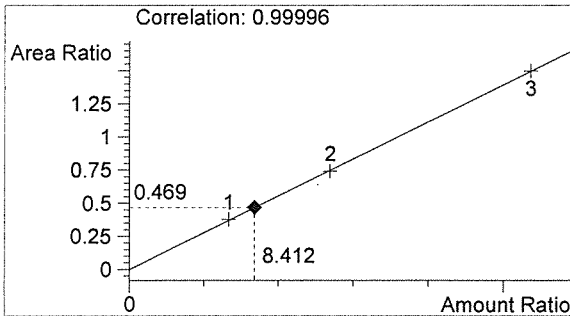
AWD

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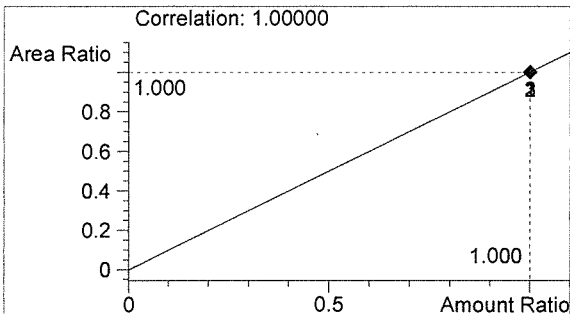
Inj. Date: 10/24/2016 12:35:03 PM Sample Name: QAP 16040 #5
 Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
 Column: DB-ALC1 Location: Vial 14
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1242	1.083
2	n-Propanol	2650	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/24/2016 12:38:17 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

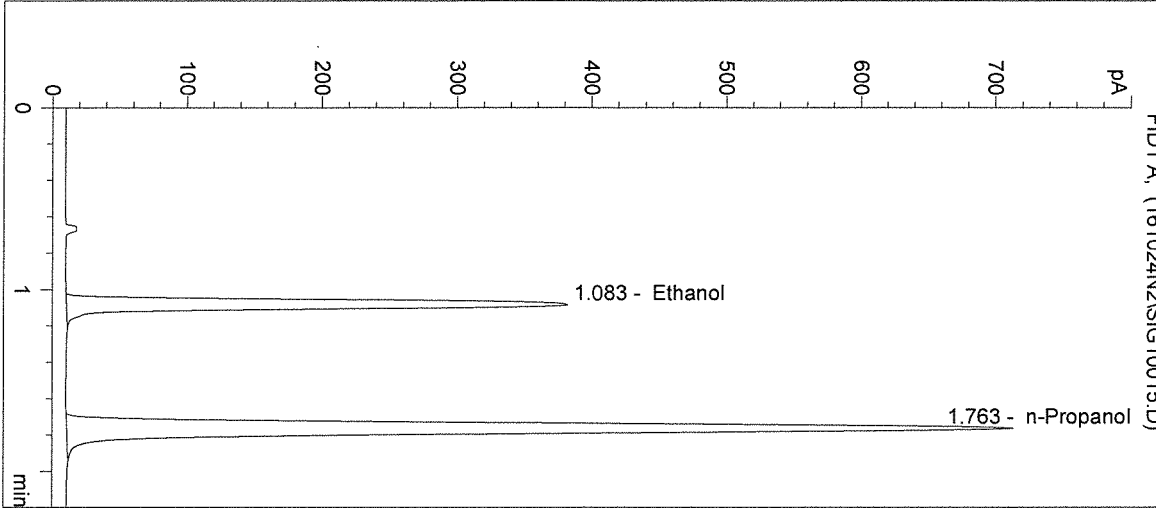
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

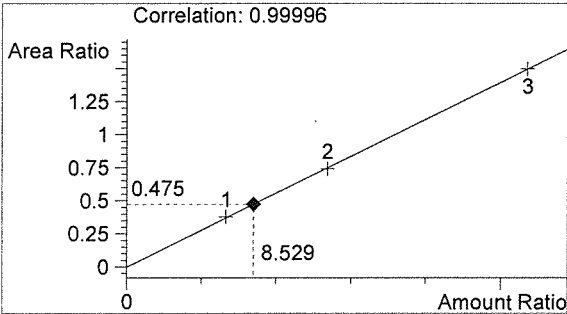
Location: Vial 15

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

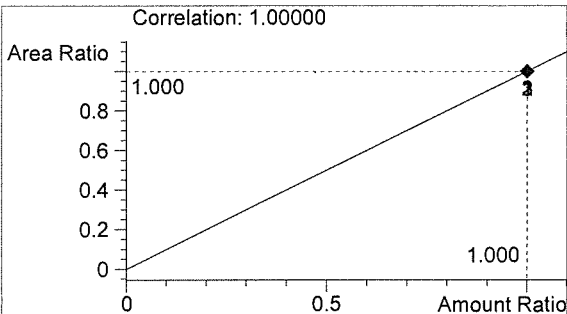
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	1250	1.083
2	n-Propanol	2631	1.763



Ethanol 0.102 g/100mL



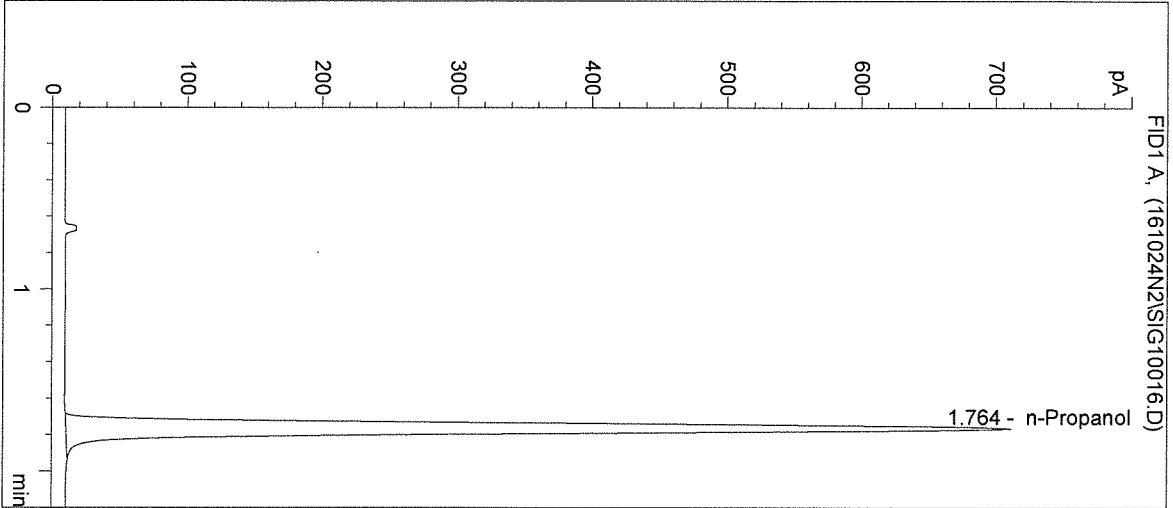
n-Propanol 0.012 g/100mL

AWD

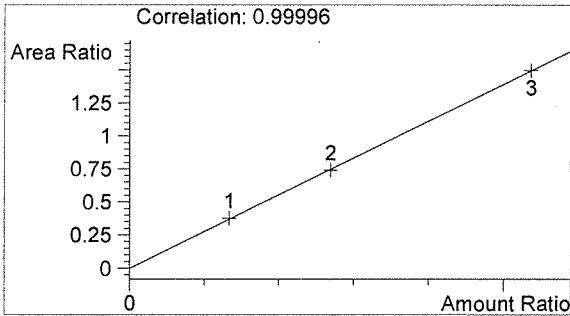
MM

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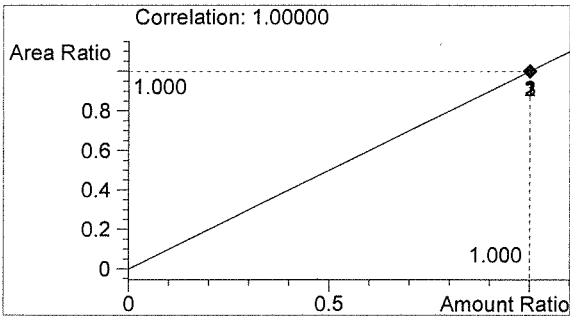
Inj. Date: 10/24/2016 12:41:29 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC1 Location: Vial 16
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16040



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2628	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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