



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16001

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: 01/26/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Katie Harris

	KH	JLK	NN
1	0.099	0.101	0.100
2	0.099	0.101	0.101
3	0.100	0.101	0.101
4	0.098	0.101	0.102
5	0.098	0.101	0.101
C	0.101	0.102	0.104

ETHANOL CONTROL INFORMATION

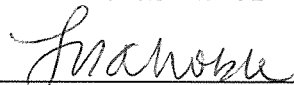
LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1003 g/100mL PRECISION CV (%): 1.22
STANDARD DEVIATION: 0.00122 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0815 g/210L**
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

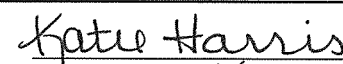

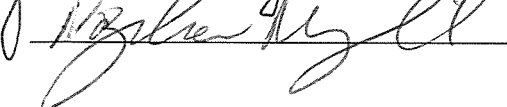


Lisa Noble Forensic Scientist Supervisor

2/17/16

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KH	Katie Harris		01/26/2016
JLK	Justin L. Knoy		01/26/2016
NN	Naziha Nuwayhid		01/28/2016

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division. Page 1 of 1

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

QAP Solution Batch #: 16001

Date Prepared: 1/26/2016

Analyst:	KH	JLK	NN
Date Tested:	1/26/2016	1/26/2016	1/28/2016
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.099	0.101	0.100
2	0.099	0.101	0.101
3	0.100	0.101	0.101
4	0.098	0.101	0.102
5	0.098	0.101	0.101
C	0.101	0.102	0.104

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000099153	0.0000742713	0.0001016326

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

Average Solution Concentration: 0.1003 g/100mL
 Standard Deviation: 0.00122 g/100mL
 Precision CV (%): 1.22
 Equivalent Vapor Concentration: 0.0815 g/210L
 Combined Standard Uncertainty (\pm): 0.0011 g/210L
 Expanded Uncertainty (\pm): 0.0022 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble Francie 2/8/16
 Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 2-16-16
 Name Signature Date

Method: Hard calculation

Tech. review performed by: Lisa Noble Francie 2/8/16
 Name Signature Date

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 2-16-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16001

	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: 2-16-16



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		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy	JK	2.8.16
Katie Harris	KH	2/8/16
Lyndsey Lowe		
Naziha Nuwayhid	NN	2.8.16
Rebecca Flaherty		

Batch # 16001 2/2/16



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 16001**

I, Katie Harris, 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 Biochemistry and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 16001, was prepared in the Washington State Toxicology Laboratory on 1/26/2016. 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 1/26/2017.

Seattle, WA

Katie Harris 2/8/16

Katie Harris

Date

Forensic Scientist



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

Preparation Date: 1/26/16 Expiration Date: 1/26/17 Initials of Preparer: KH

Lot # of 200-proof Ethanol used in preparation: 2EA0437

Date the 200-proof Ethanol bottle was opened: 11/13/15

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>16001</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

1/26/16
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:

Katie Harris
Analyst Signature

1/26/16
Date

Sequence Parameters:

Operator: Katie Harris

Data File Naming: Prefix/Counter

Signal 1 Prefix: SIG1
Counter: 0001

Signal 2 Prefix: SIG2
Counter: 0001

Data Directory: C:\HPCHEM\2\DATA\

Data Subdirectory: 160126KH

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#: E1015-01 Exp. 04/29/2016
 CAL 2: 0.158 g/100mL - Lot#: E1015-02 Exp. 04/29/2016
 CAL 3: 0.316 g/100mL - Lot#: E1015-03 Exp. 04/29/2016

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

n-Propanol ISTD - Lot#: P1115 Exp. 02/20/2016

Calibration vials 1-9 are filed with Batch 16001.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16001-1	SIMALC3	1	Sample		
11	Vial 11	16001-2	SIMALC3	1	Sample		
12	Vial 12	16001-3	SIMALC3	1	Sample		
13	Vial 13	16001-4	SIMALC3	1	Sample		
14	Vial 14	16001-5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

fn

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Replace		Replace		

KH

Sequence: C:\HPCHEM\2\SEQUENCE\KHQAP.S

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
3	Vial 3	CAL 2 (0.158)	SIMALC3	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16001

Jan 26/16

KH

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

Calib. Data Modified : Tuesday, January 26, 2016 9:14:07 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 Name
 # [g/100mL]

1	1.20000e-2	n-Propanol
---	------------	------------

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp Name
1.025	1 1	7.96600e-2	612.35297	1.30088e-4	1	Ethanol
	2	1.61370e-1	1154.31348	1.39797e-4		
	3	3.22930e-1	2546.36792	1.26820e-4		
1.752	1 1	1.20000e-2	1600.72217	7.49662e-6	I1	n-Propanol
	2	1.20000e-2	1539.08435	7.79684e-6		
	3	1.20000e-2	1583.24683	7.57936e-6		

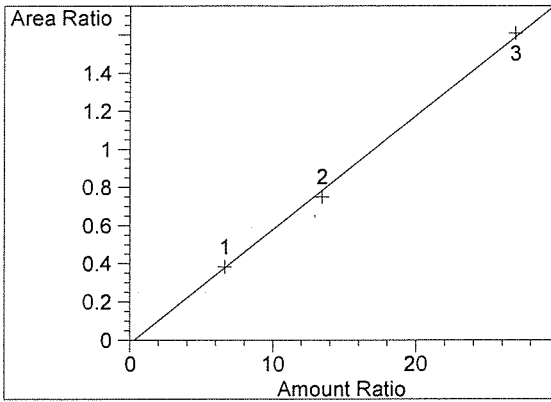
16001
 2/25/16

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

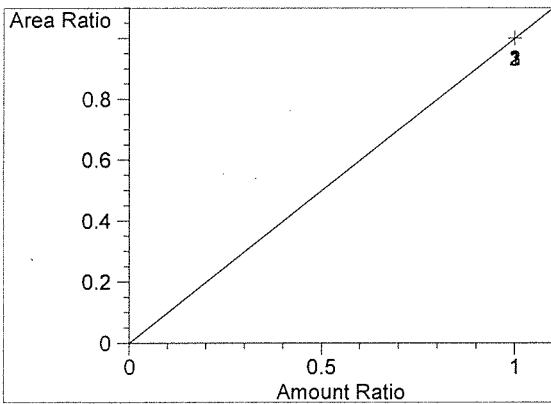
No Entries in table
 =====

KH

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



Ethanol at exp. RT: 1.025
FID1 A,
Correlation: 0.99932
Residual Std. Dev.: 0.03107
Formula: $y = mx + b$
m: 5.97178e-2
b: -1.64173e-2
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.752
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

16001
In 2/16

KH

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

Inj. Date: 1/26/2016 9:02:02 AM

Sample Name: BLANK

Instrument: HSGC#3

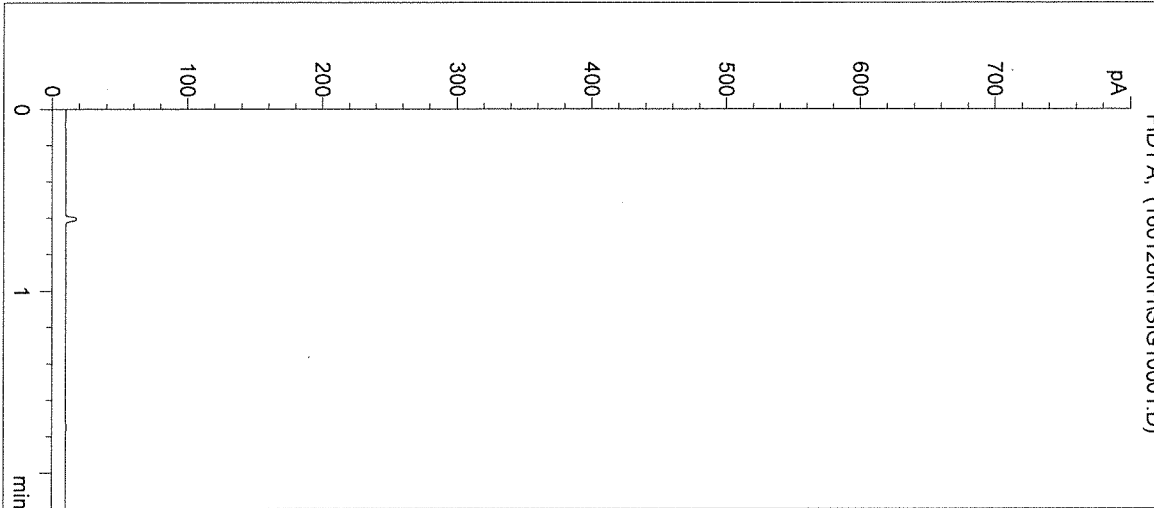
Operator: Katie Harris

Column: DB-ALC2

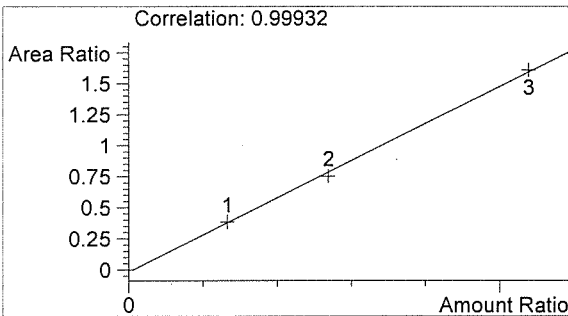
Location: Vial 1

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: 16001

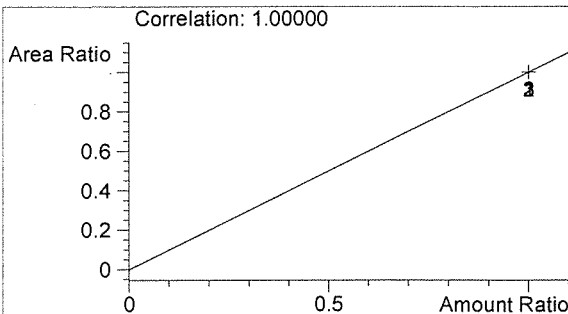


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

Handwritten signature



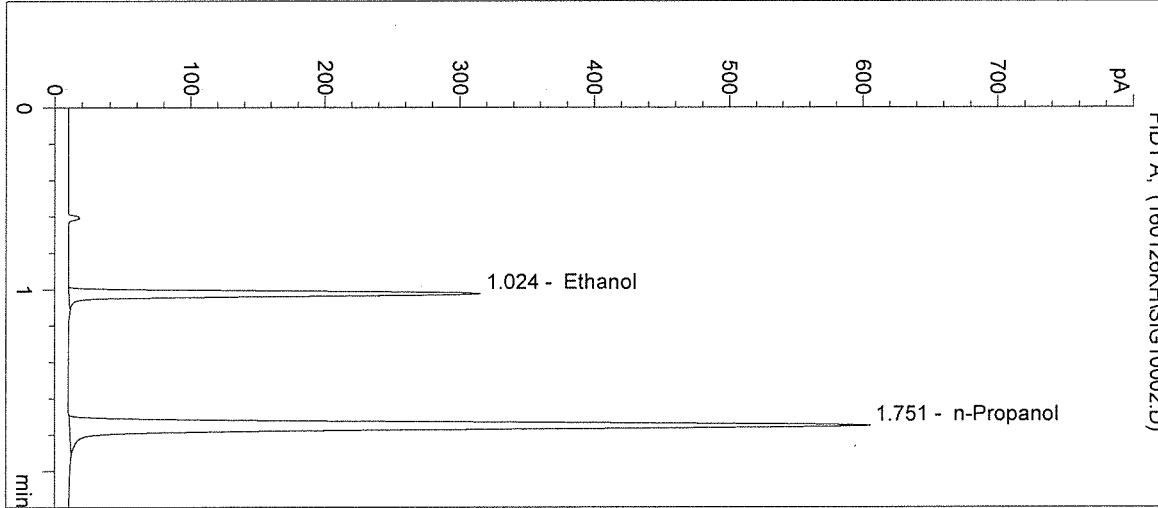
n-Propanol 0.000 g/100mL

KH

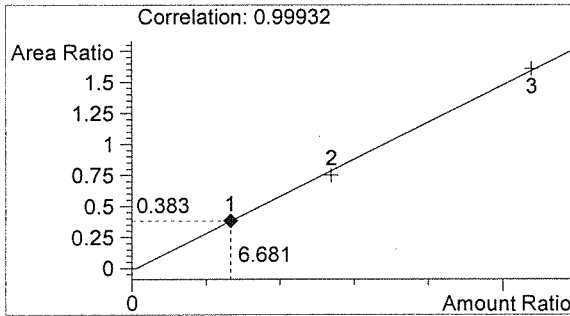
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/26/2016 9:05:20 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CAL 1: 0.079 g/100mL
 16001

Sample Name: CAL 1 (0.079)
 Operator: Katie Harris
 Location: Vial 2

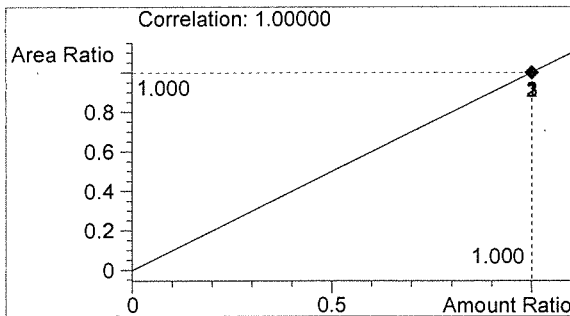


#	Compound	Peak Area	RT (min)
1	Ethanol	612	1.024
2	n-Propanol	1601	1.751



Ethanol 0.080 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

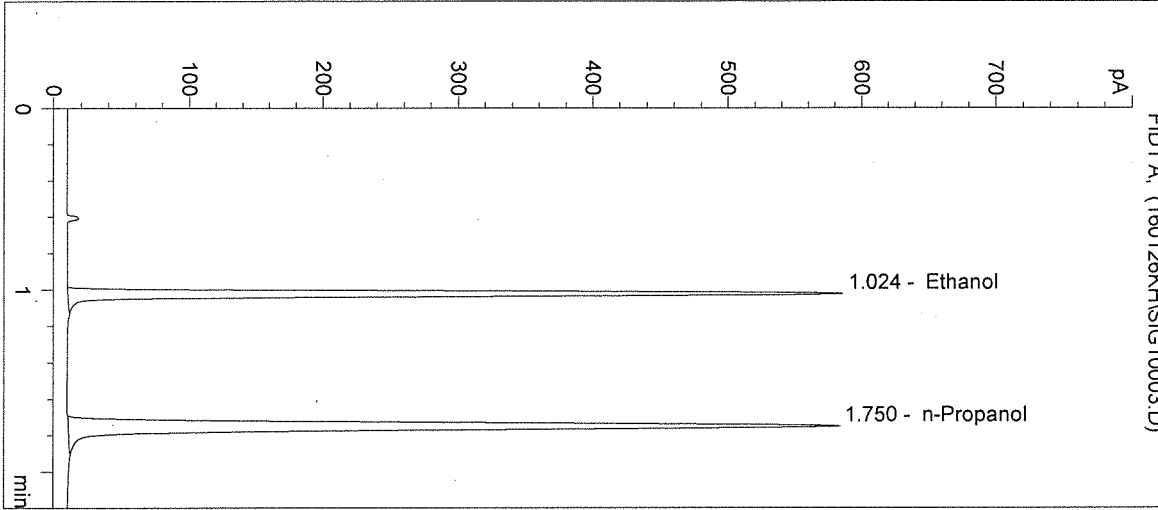
KH

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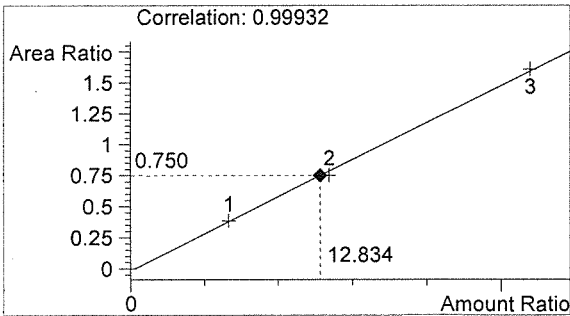
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 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CAL 2: 0.158 g/100mL
 16001

Sample Name: CAL 2 (0.158)
 Operator: Katie Harris
 Location: Vial 3

->

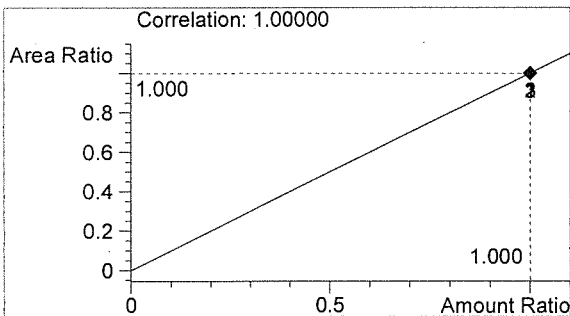


#	Compound	Peak Area	RT (min)
1	Ethanol	1154	1.024
2	n-Propanol	1539	1.750



Ethanol 0.154 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/26/2016 9:11:55 AM

Sample Name: CAL 3 (0.316)

Instrument: HSGC#3

Operator: Katie Harris

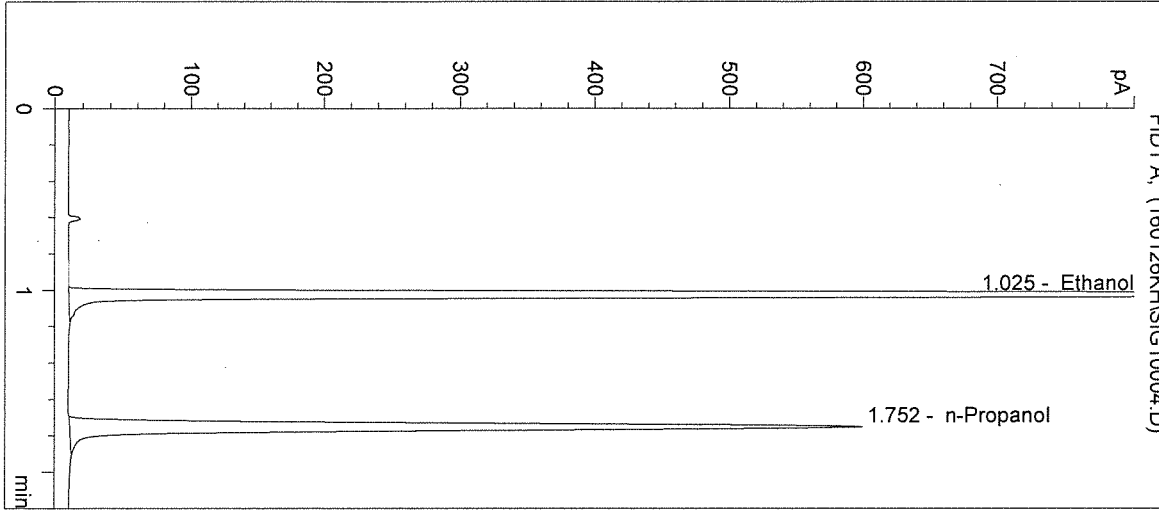
Column: DB-ALC2

Location: Vial 4

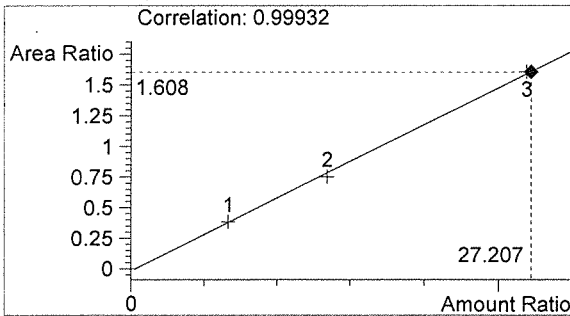
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 3: 0.316 g/100mL
 16001

->

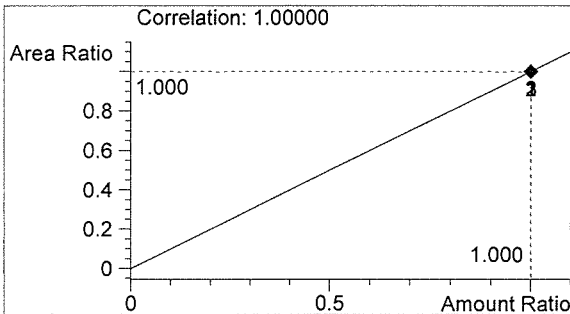


#	Compound	Peak Area	RT (min)
1	Ethanol	2546	1.025
2	n-Propanol	1583	1.752



Ethanol 0.326 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/26/2016 9:15:09 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

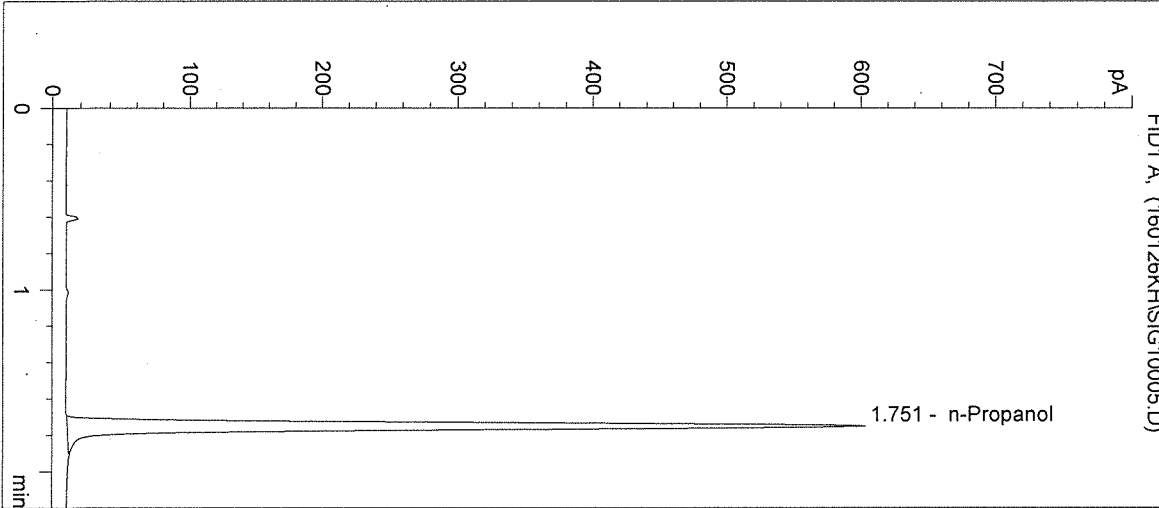
Operator: Katie Harris

Column: DB-ALC2

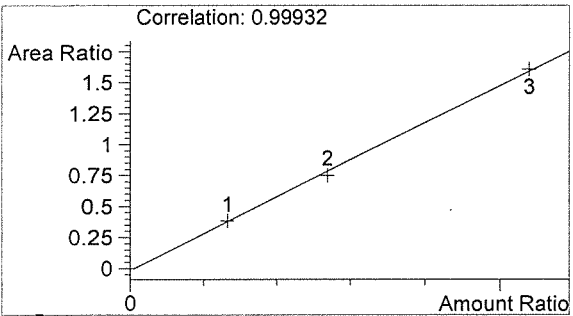
Location: Vial 5

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

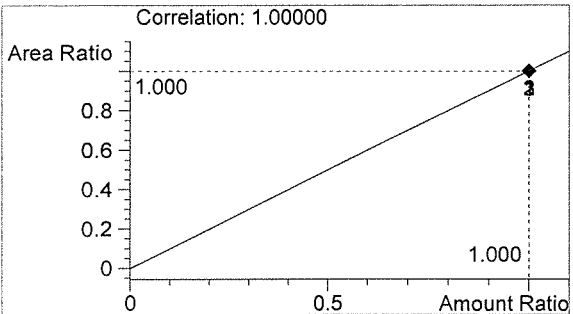
Sample Info: 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1598	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten mark

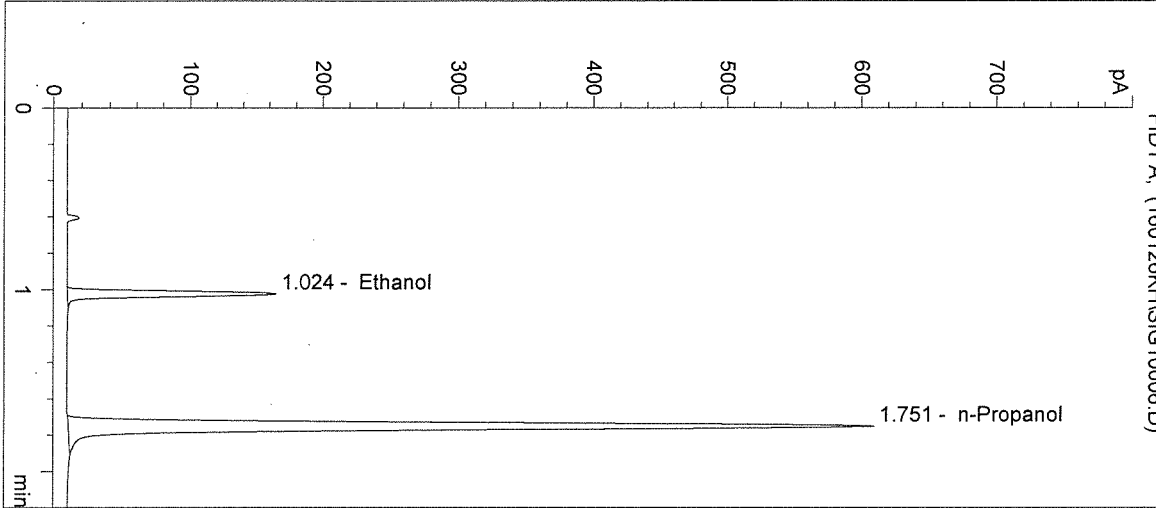
KH

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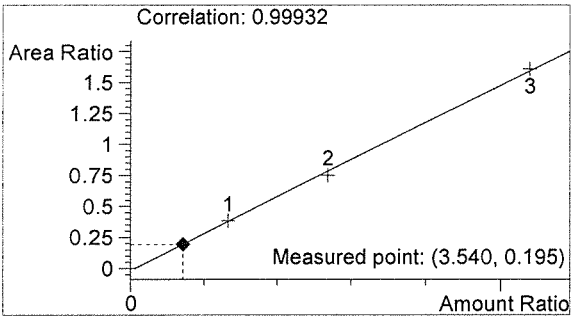
Inj. Date: 1/26/2016 9:18:21 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 1: 0.04 g/100mL
 16001

Sample Name: CTRL 1 (0.04)
 Operator: Katie Harris
 Location: Vial 6

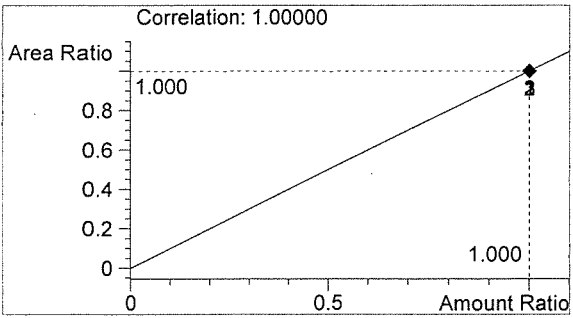
- >



#	Compound	Peak Area	RT (min)
1	Ethanol	314	1.024
2	n-Propanol	1611	1.751



Ethanol 0.042 g/100mL



n-Propanol 0.012 g/100mL

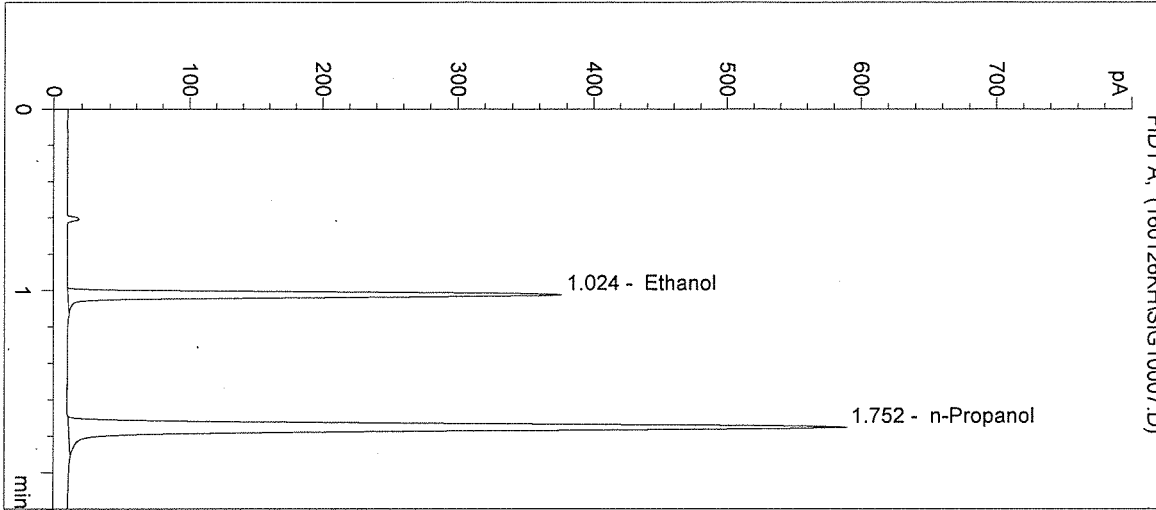
Handwritten mark

KH

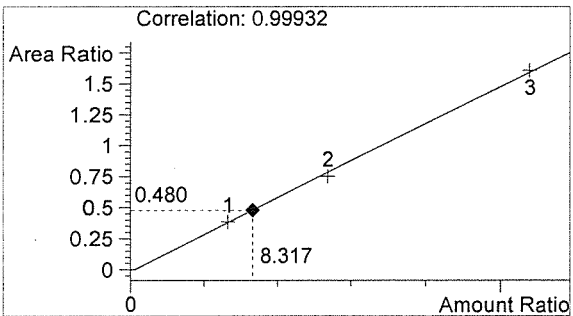
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/26/2016 9:21:35 AM Sample Name: CTRL 2 (0.10)
 Instrument: HSGC#3 Operator: Katie Harris
 Column: DB-ALC2 Location: Vial 7
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 2: 0.10 g/100mL
 16001

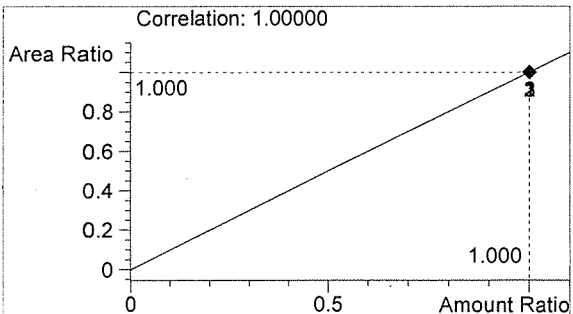
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#	Compound	Peak Area	RT (min)
1	Ethanol	747	1.024
2	n-Propanol	1556	1.752



Ethanol 0.100 g/100mL



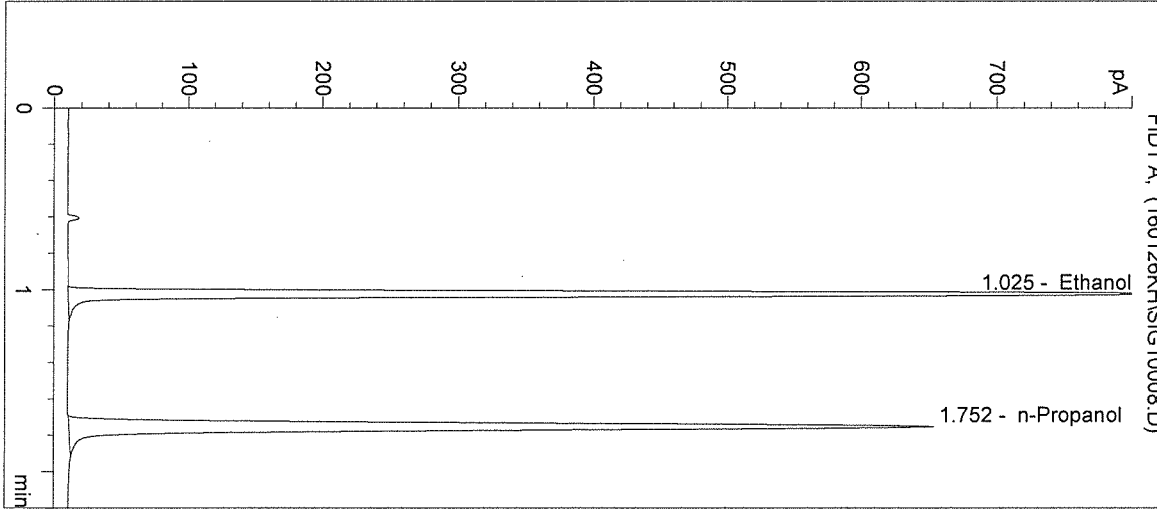
n-Propanol 0.012 g/100mL

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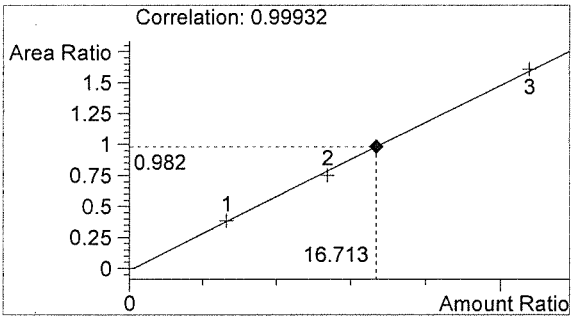
KH

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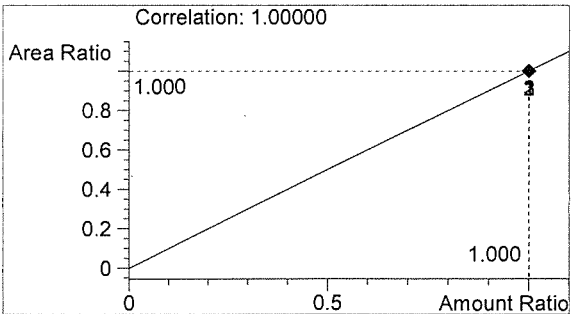
Inj. Date: 1/26/2016 9:24:48 AM Sample Name: CTRL 3 (0.20)
 Instrument: HSGC#3 Operator: Katie Harris
 Column: DB-ALC2 Location: Vial 8
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 3: 0.20 g/100mL
 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	1701	1.025
2	n-Propanol	1732	1.752



Ethanol 0.201 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

KH

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

Inj. Date: 1/26/2016 9:28:02 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

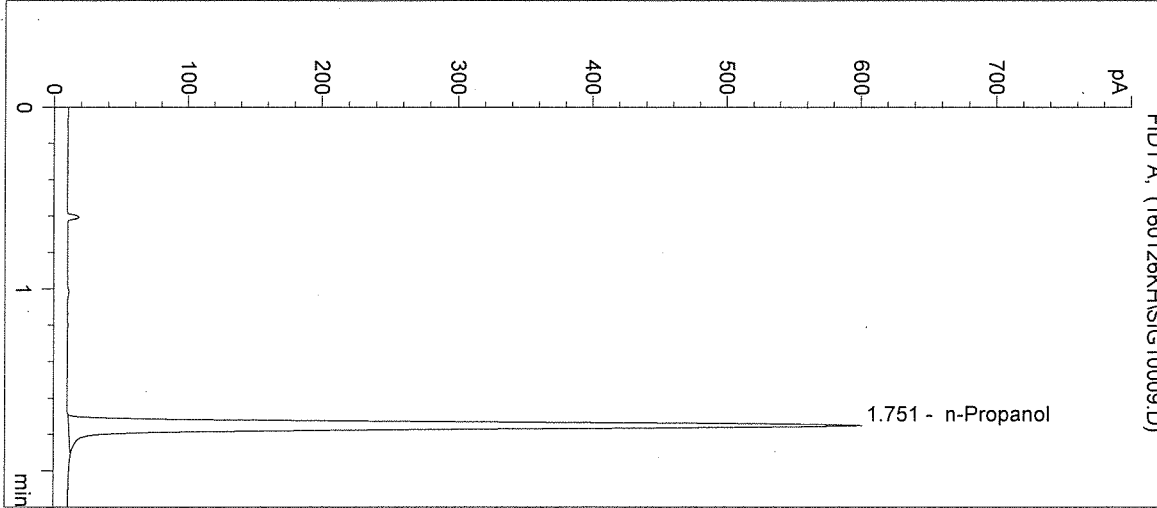
Operator: Katie Harris

Column: DB-ALC2

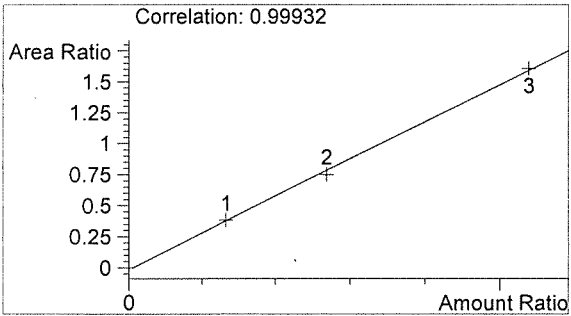
Location: Vial 9

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

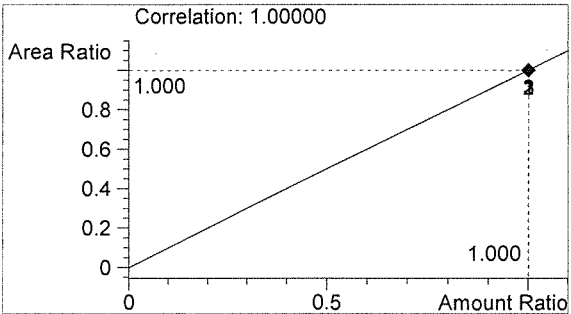
Sample Info: 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1588	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

KH

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

Inj. Date: 1/26/2016 9:31:15 AM

Sample Name: 16001-1

Instrument: HSGC#3

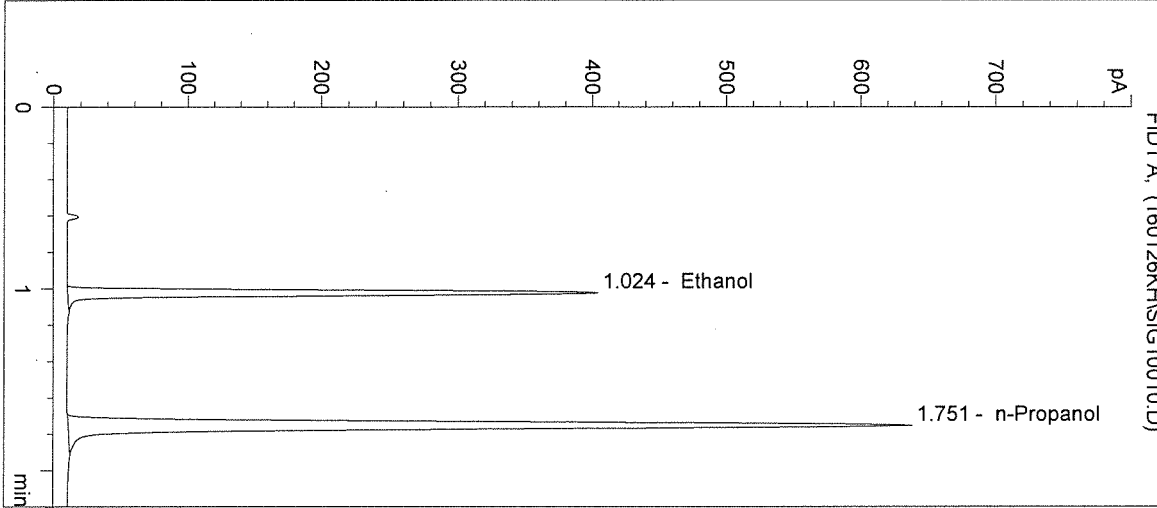
Operator: Katie Harris

Column: DB-ALC2

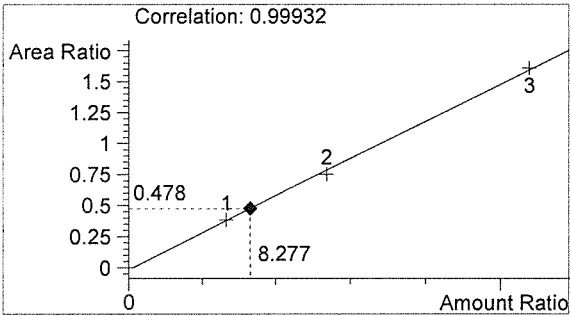
Location: Vial 10

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

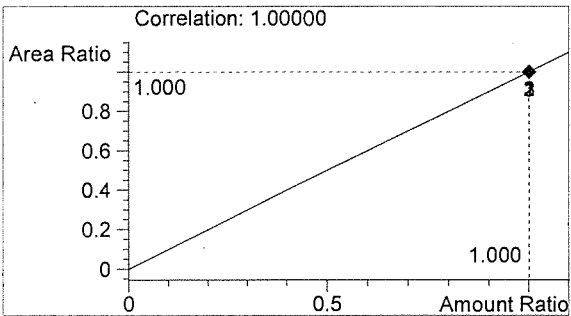
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	809	1.024
2	n-Propanol	1694	1.751



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

fn

KH

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

Inj. Date: 1/26/2016 9:34:28 AM

Sample Name: 16001-2

Instrument: HSGC#3

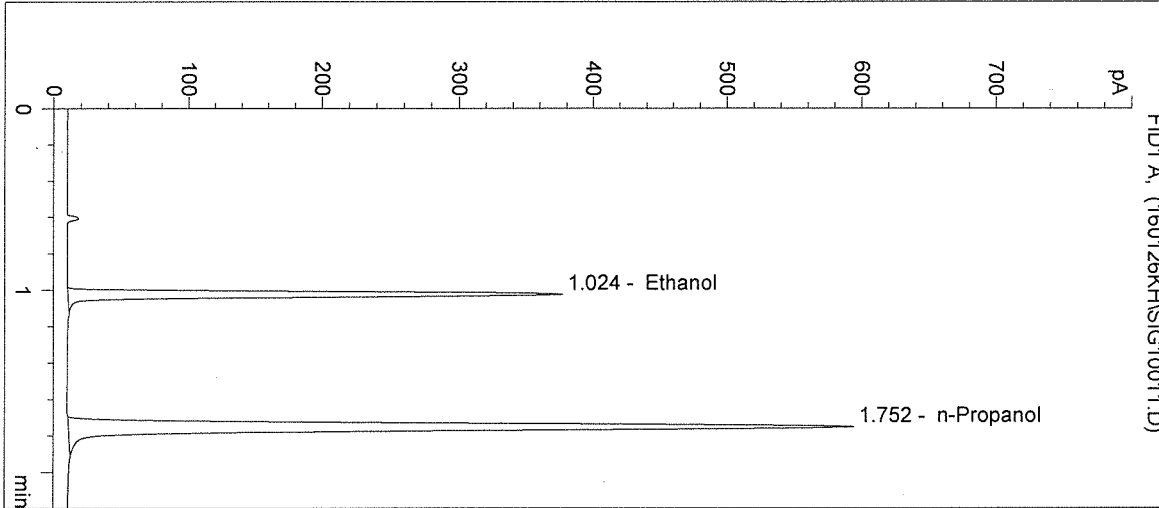
Operator: Katie Harris

Column: DB-ALC2

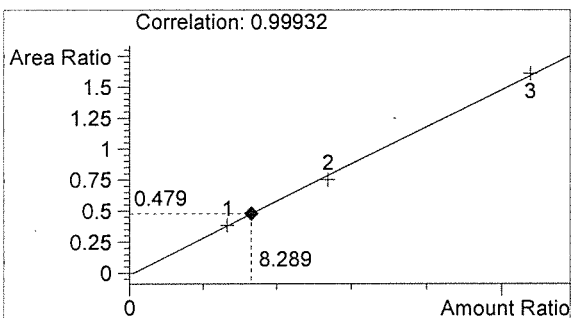
Location: Vial 11

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

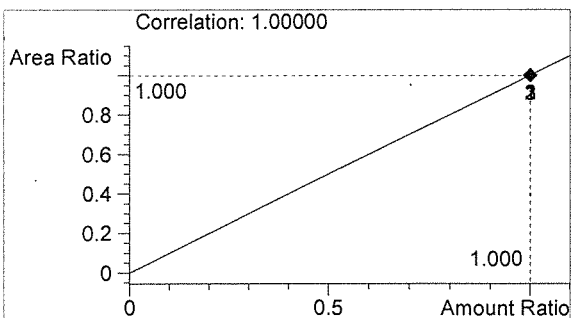
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	752	1.024
2	n-Propanol	1571	1.752



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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KH

Inj. Date: 1/26/2016 9:37:42 AM

Sample Name: 16001-3

Instrument: HSGC#3

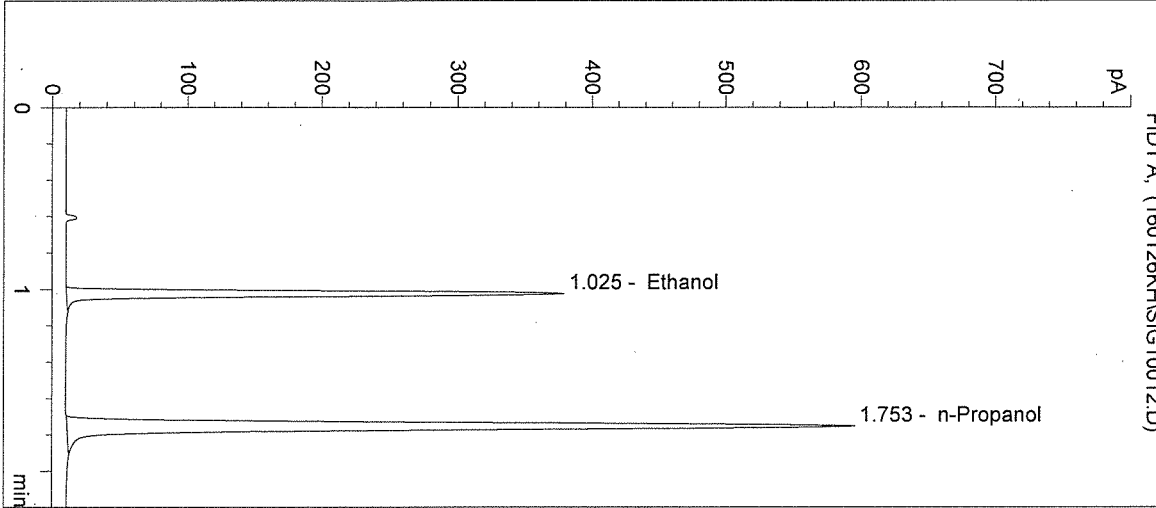
Operator: Katie Harris

Column: DB-ALC2

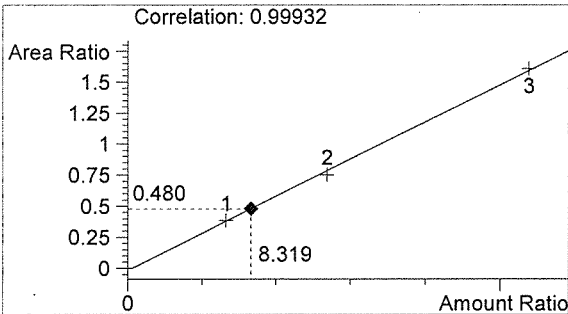
Location: Vial 12

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

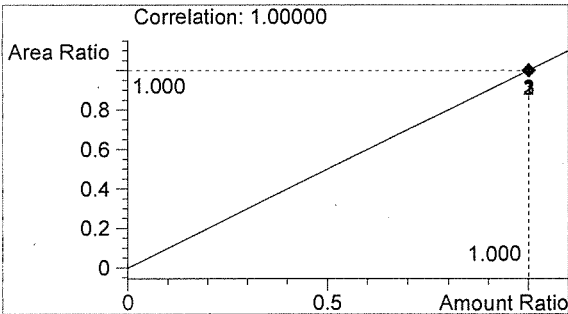
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	757	1.025
2	n-Propanol	1576	1.753



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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KH

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

Inj. Date: 1/26/2016 9:40:55 AM

Sample Name: 16001-4

Instrument: HSGC#3

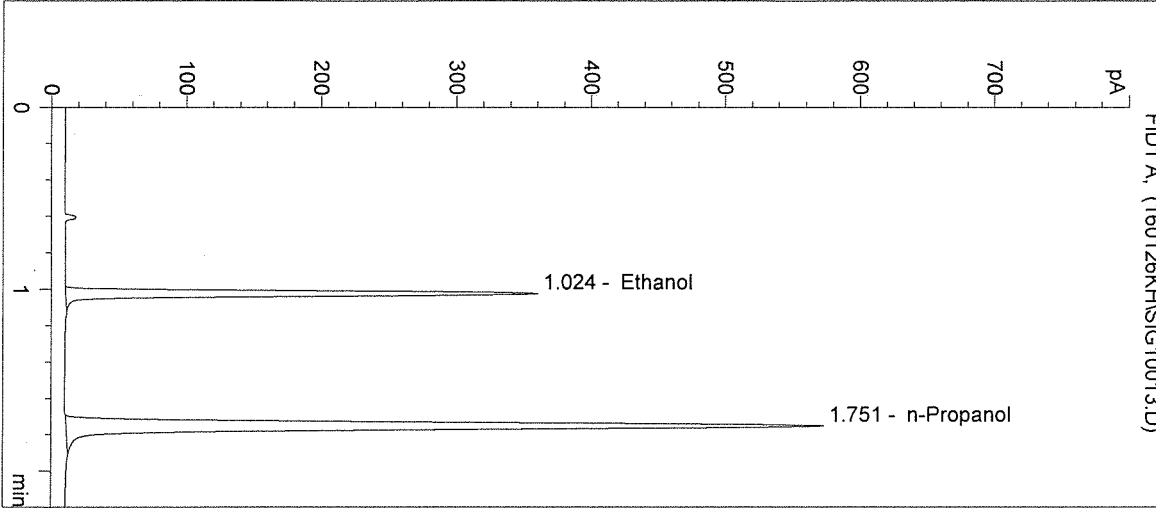
Operator: Katie Harris

Column: DB-ALC2

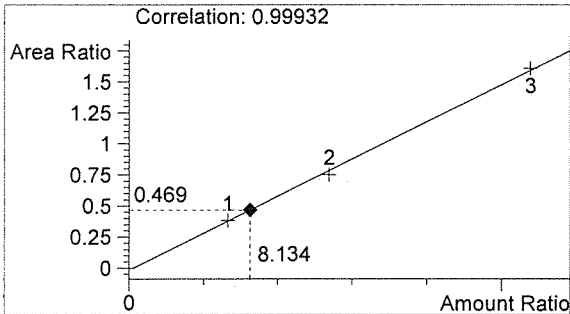
Location: Vial 13

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

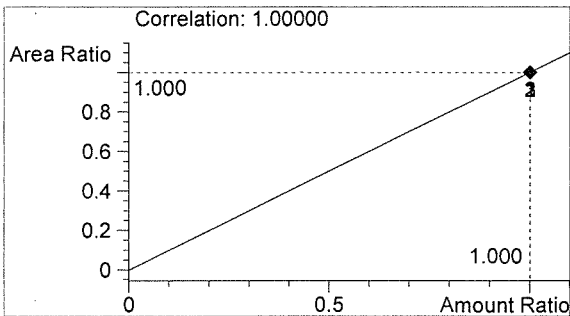
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	711	1.024
2	n-Propanol	1514	1.751



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

sh

KH

Inj. Date: 1/26/2016 9:44:08 AM

Sample Name: 16001-5

Instrument: HSGC#3

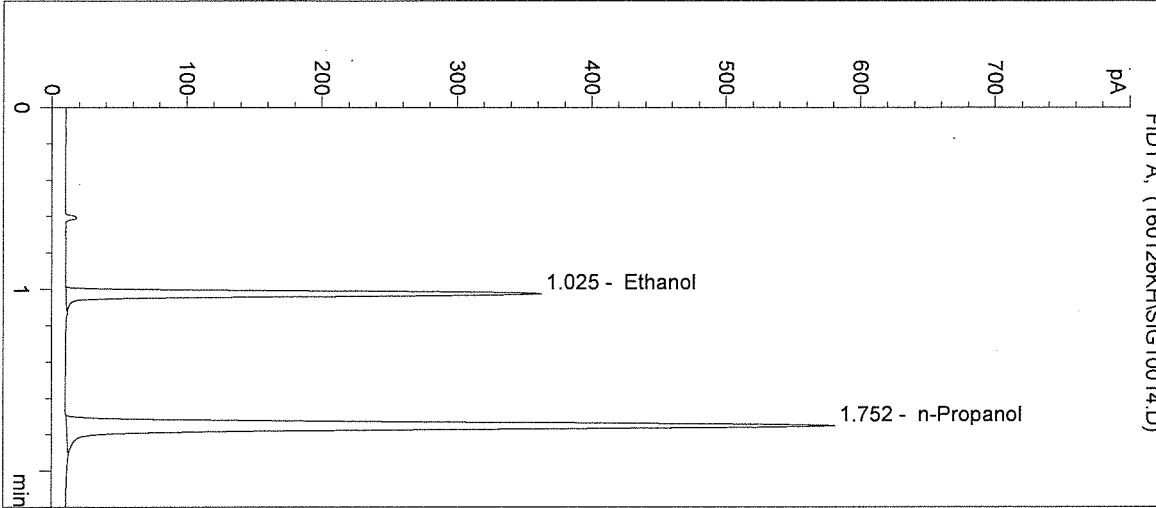
Operator: Katie Harris

Column: DB-ALC2

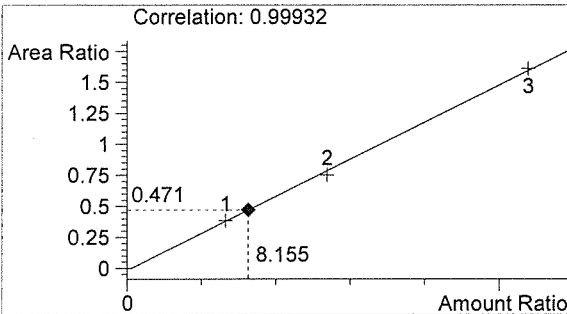
Location: Vial 14

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

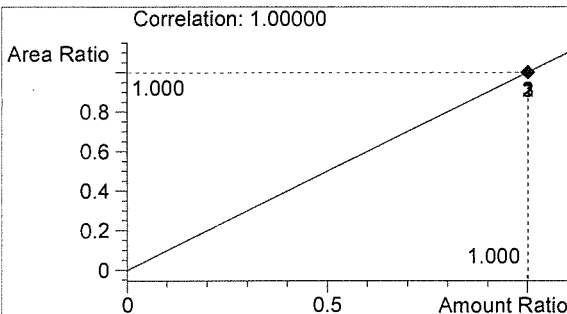
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	722	1.025
2	n-Propanol	1534	1.752



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

KH

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

Inj. Date: 1/26/2016 9:47:22 AM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#3

Operator: Katie Harris

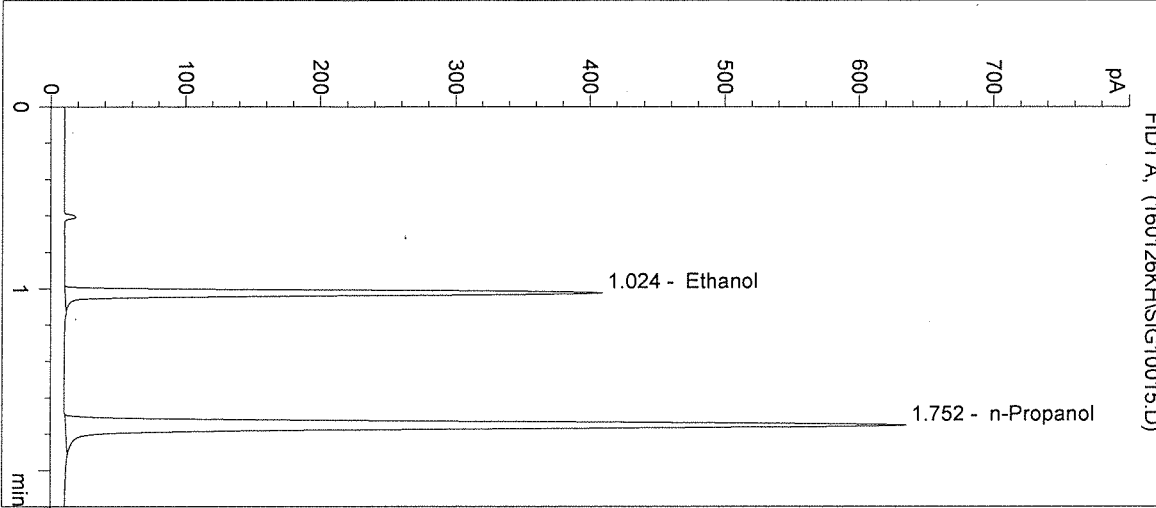
Column: DB-ALC2

Location: Vial 15

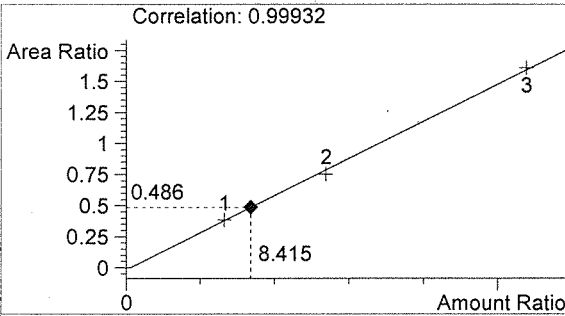
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: POS CTRL: 0.10 g/100mL
 16001

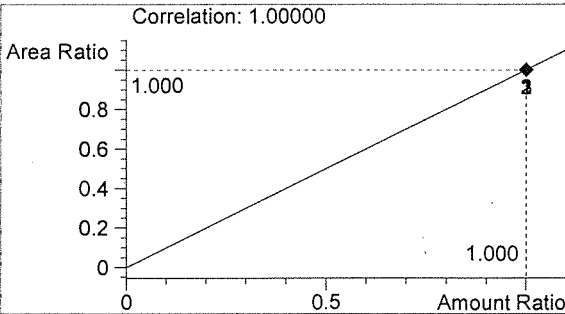
->



#	Compound	Peak Area	RT (min)
1	Ethanol	818	1.024
2	n-Propanol	1684	1.752



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials KH

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

Inj. Date: 1/26/2016 9:50:35 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

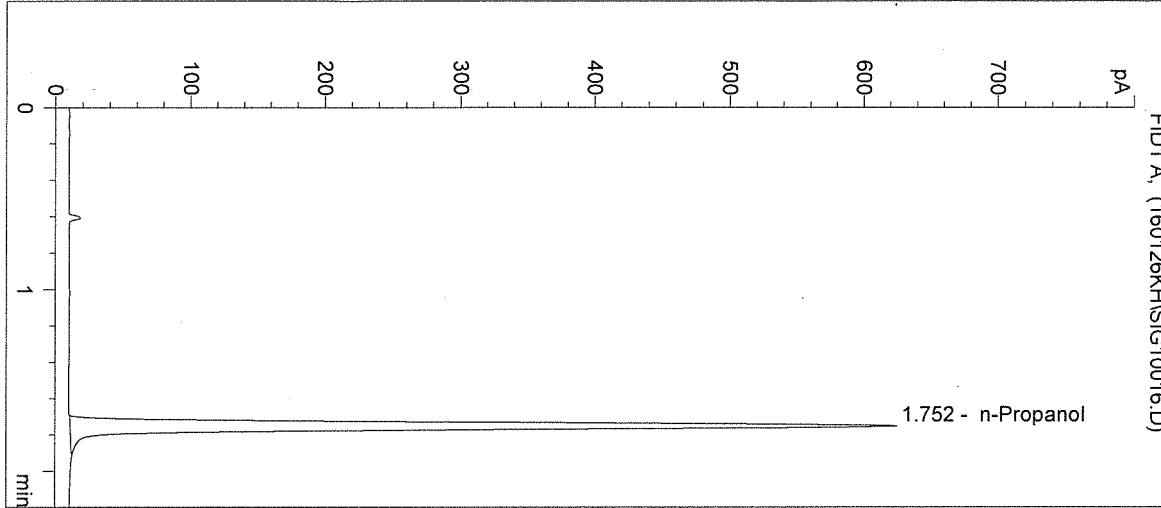
Operator: Katie Harris

Column: DB-ALC2

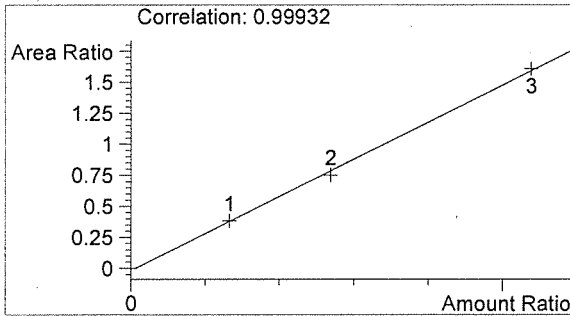
Location: Vial 16

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

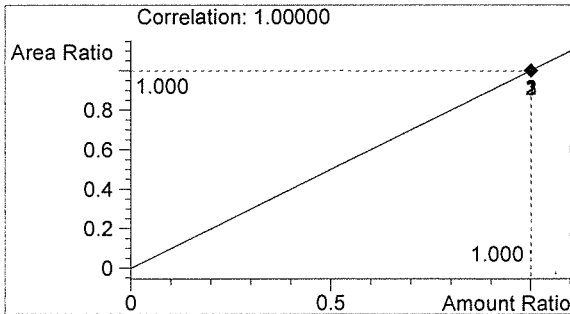
Sample Info: 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1654	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

ln

KH

Sequence Parameters:

Operator: Justin Knoy
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\2\DATA\
 Data Subdirectory: 160126JK
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E1015-01 - Exp. 04/29/2016
 Ethanol Calibrator 2, E1015-02 - Exp. 04/29/2016
 Ethanol Calibrator 3, E1015-03 - Exp. 04/29/2016
 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#P1115 - Exp. 02/20/2016

 Data for vials 1-9 filed with 16001.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16001-1	SIMALC3	1	Sample		
11	Vial 11	16001-2	SIMALC3	1	Sample		
12	Vial 12	16001-3	SIMALC3	1	Sample		
13	Vial 13	16001-4	SIMALC3	1	Sample		
14	Vial 14	16001-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

JK

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace		Replace		
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace		Replace		

JK

Sequence: C:\HPCHEM\2\SEQUENCE\JKQARUN3.S

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16001
Justin

JK

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

Calib. Data Modified : Tuesday, January 26, 2016 3:05:08 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
1.022	1 1	7.96600e-2	570.10669	1.39728e-4	1 Ethanol
		1.61370e-1	1119.78052	1.44109e-4	
		3.22930e-1	2261.19556	1.42814e-4	
1.748	1 1	1.20000e-2	1535.54810	7.81480e-6	I1 n-Propanol
		1.20000e-2	1503.04053	7.98382e-6	
		1.20000e-2	1515.57935	7.91776e-6	

16001

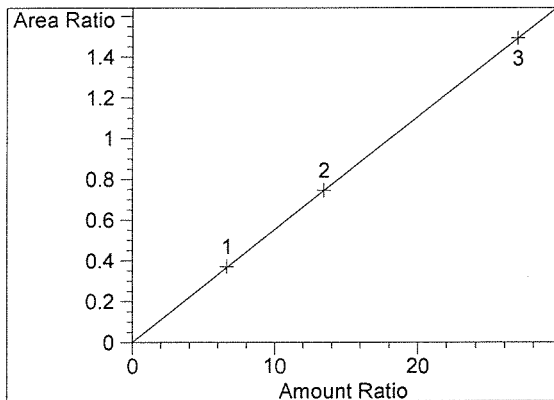
Justin

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

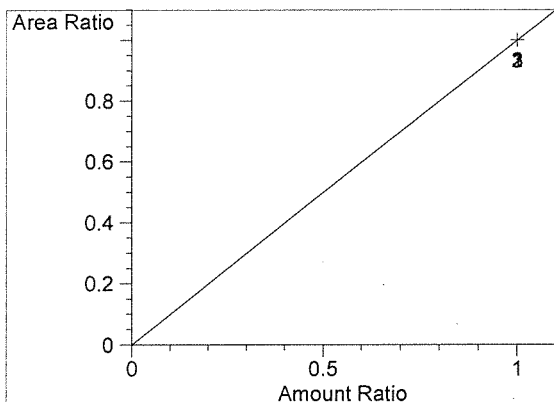
No Entries in table
=====

JK

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



Ethanol at exp. RT: 1.022
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00202
Formula: $y = mx + b$
m: 5.53972e-2
b: 1.19156e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.748
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

16001
Justin

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

Inj. Date: 1/26/2016 2:53:03 PM

Sample Name: BLANK

Instrument: HSGC#3

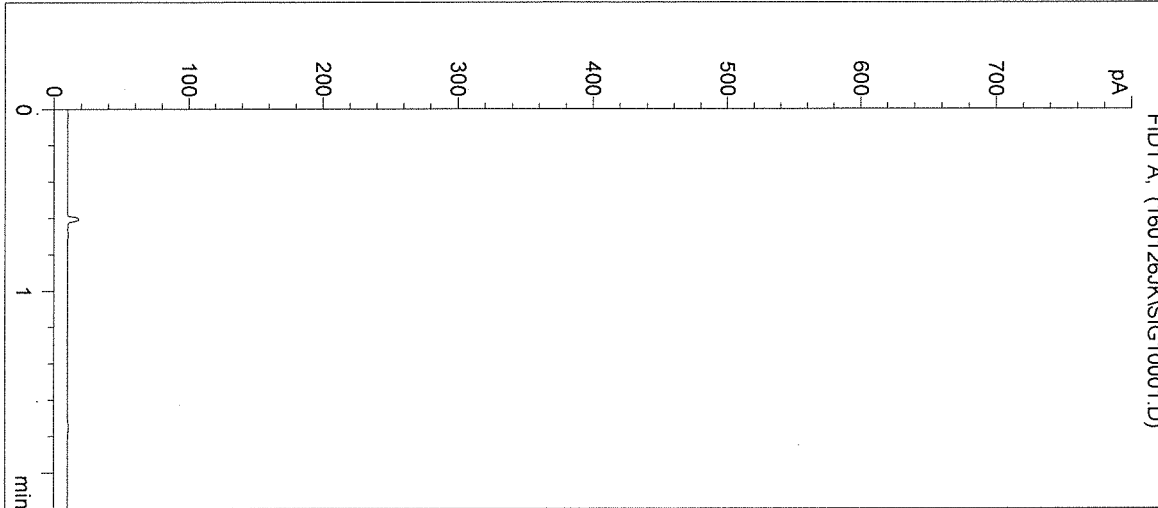
Operator: Justin Knoy

Column: DB-ALC2

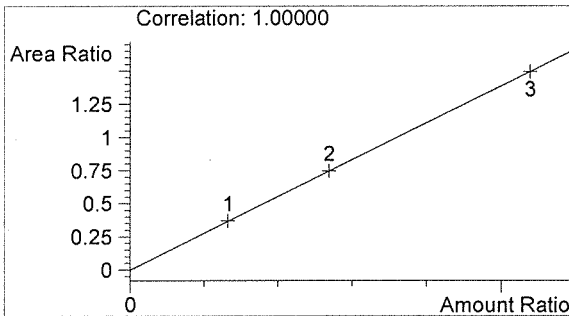
Location: Vial 1

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

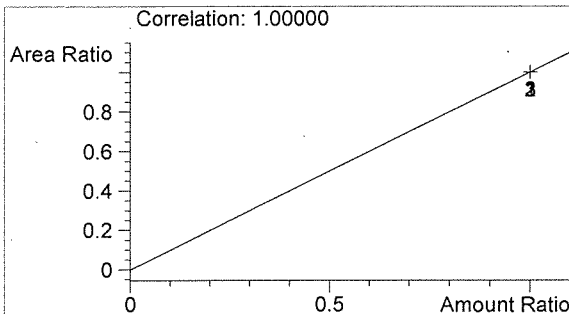
Sample Info:



#	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

16001

for 2/8/16

JZ

Inj. Date: 1/26/2016 2:56:21 PM

Sample Name: CAL1 0.079

Instrument: HSGC#3

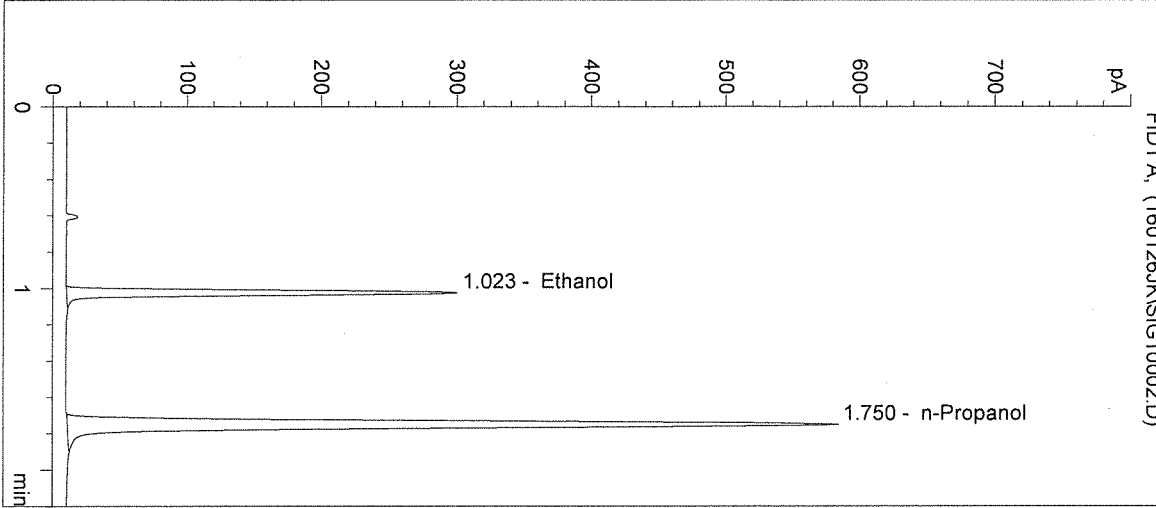
Operator: Justin Knoy

Column: DB-ALC2

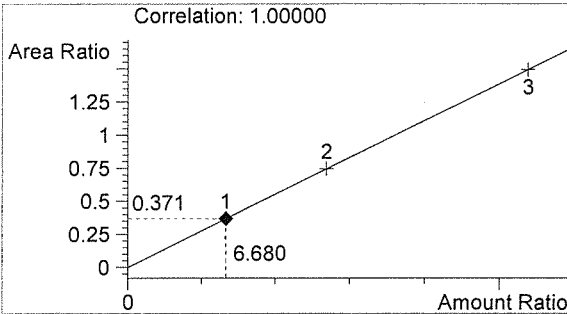
Location: Vial 2

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

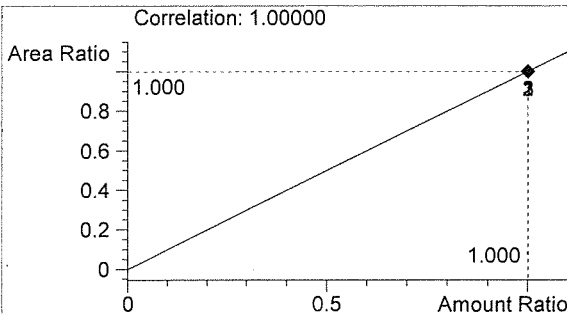
Sample Info: E1015-01 - (0.079g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	570	1.023
2	n-Propanol	1536	1.750



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

16001

Handwritten signature
 on 2/6/16

JZ

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

Inj. Date: 1/26/2016 2:59:38 PM

Sample Name: CAL2 0.158

Instrument: HSGC#3

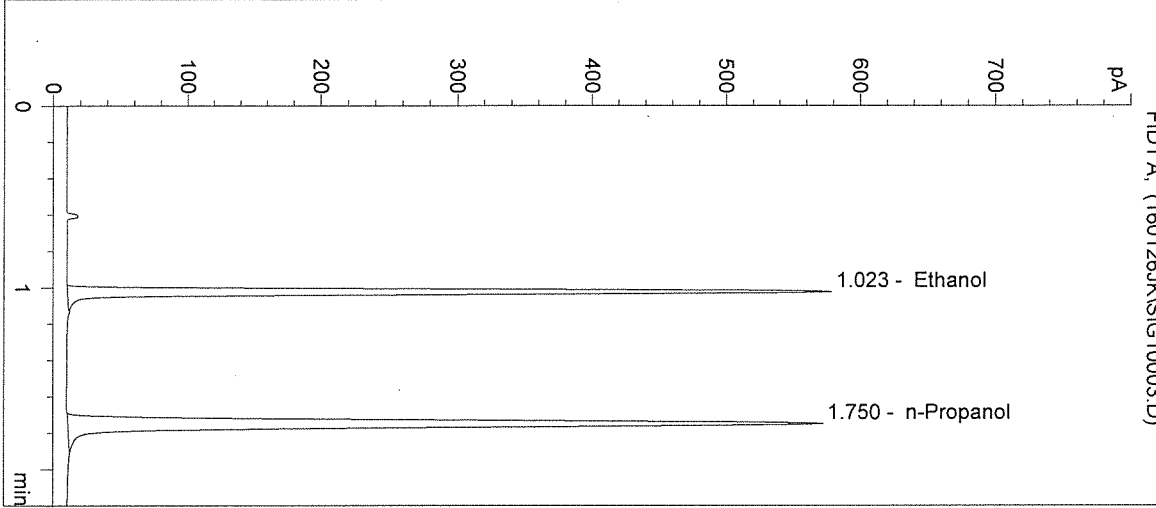
Operator: Justin Knoy

Column: DB-ALC2

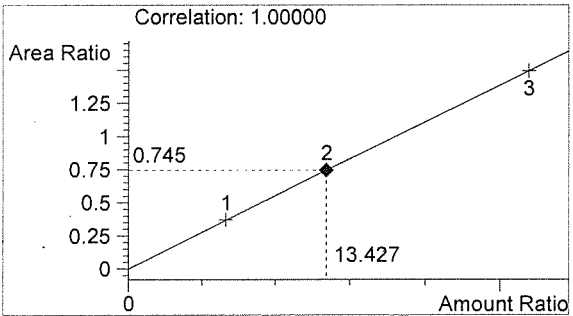
Location: Vial 3

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

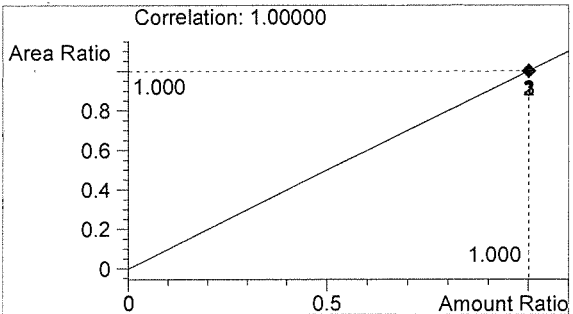
Sample Info: E1015-02 - (0.158g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	1120	1.023
2	n-Propanol	1503	1.750



Ethanol 0.161 g/100mL



n-Propanol 0.012 g/100mL

16001

Justin

JR

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

Inj. Date: 1/26/2016 3:02:55 PM

Sample Name: CAL3 0.316

Instrument: HSGC#3

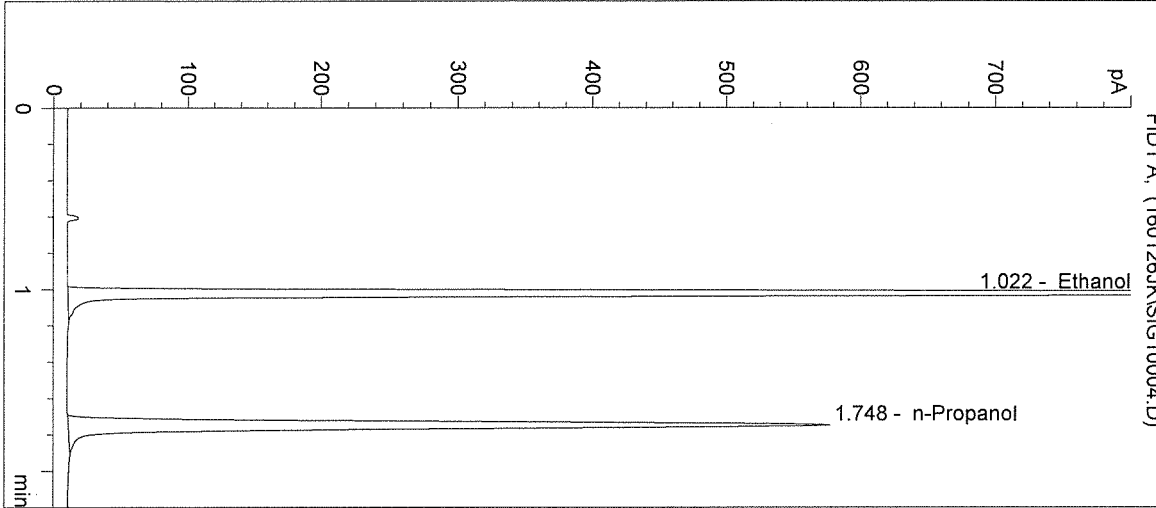
Operator: Justin Knoy

Column: DB-ALC2

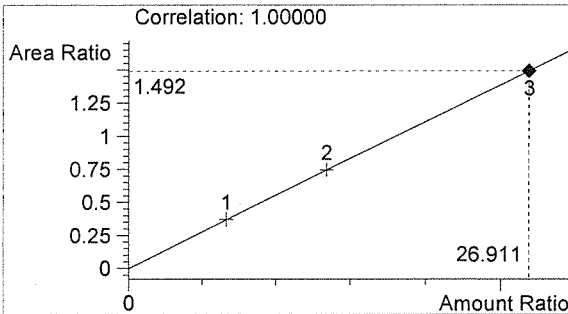
Location: Vial 4

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

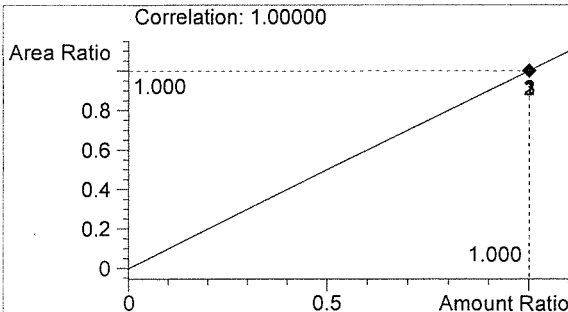
Sample Info: E1015-03 - (0.316g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	2261	1.022
2	n-Propanol	1516	1.748



Ethanol 0.323 g/100mL



n-Propanol 0.012 g/100mL

16001

Justin

JR

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

Inj. Date: 1/26/2016 3:06:09 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

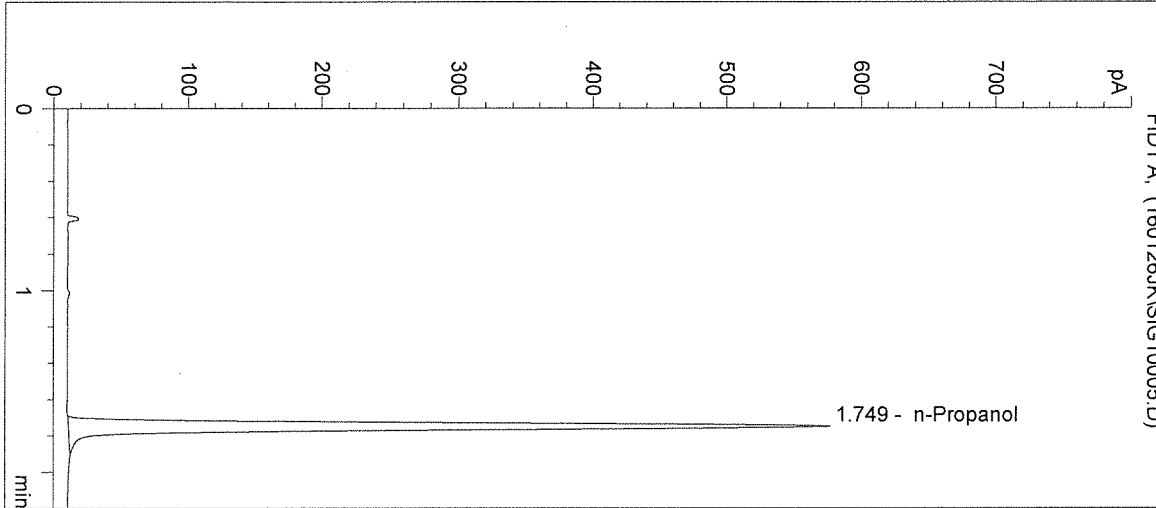
Operator: Justin Knoy

Column: DB-ALC2

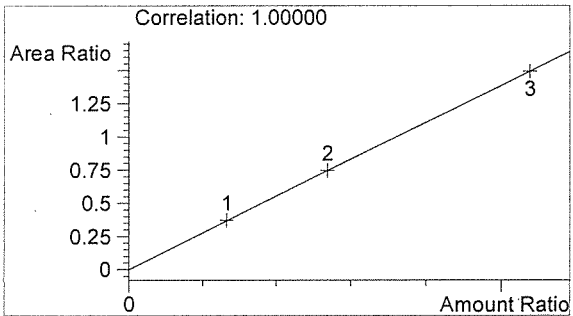
Location: Vial 5

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

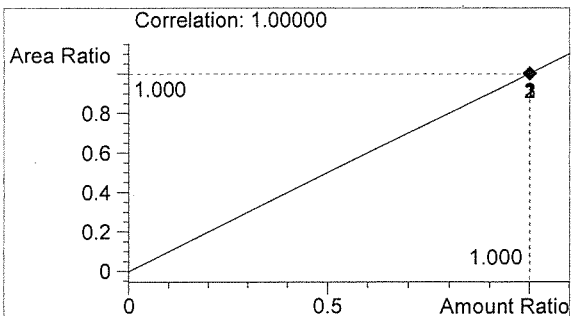
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1518	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

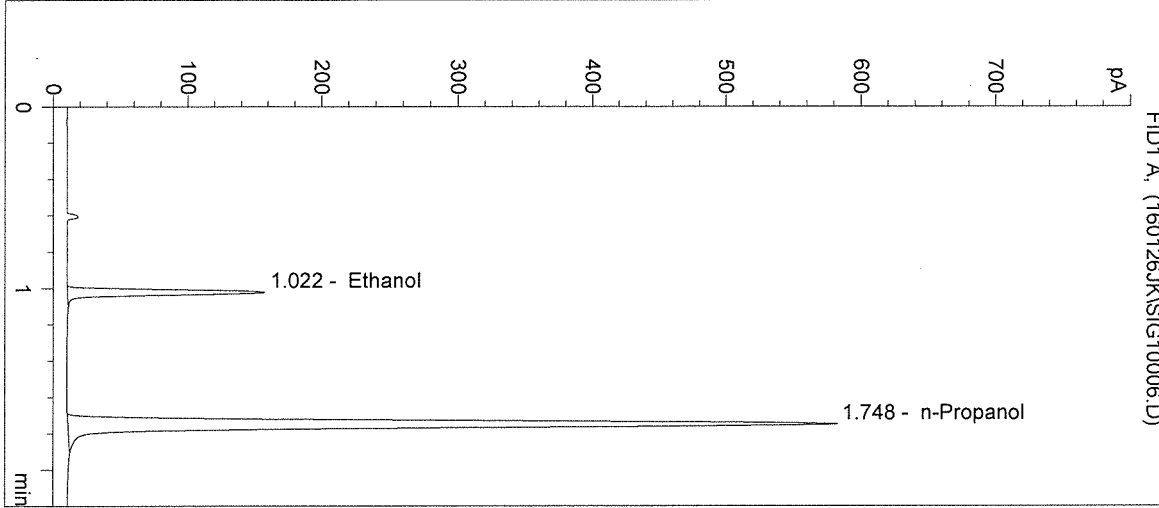
16001

Justin

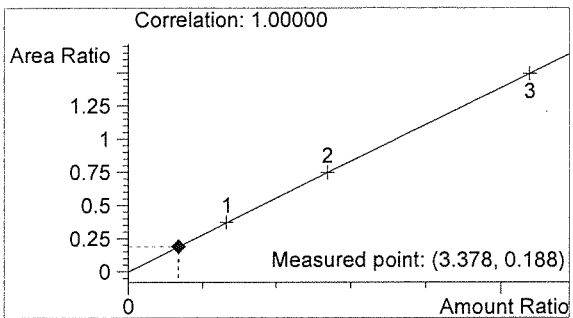
JR

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

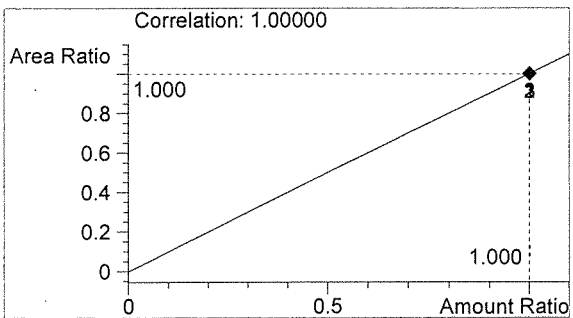
Inj. Date: 1/26/2016 3:09:22 PM Sample Name: CTRL1 (0.04)
Instrument: HSGC#3 Operator: Justin Knoy
Column: DB-ALC2 Location: Vial 6
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.04g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	288	1.022
2	n-Propanol	1531	1.748



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

16001
L
02/26/16

JJ

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

Inj. Date: 1/26/2016 3:12:35 PM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

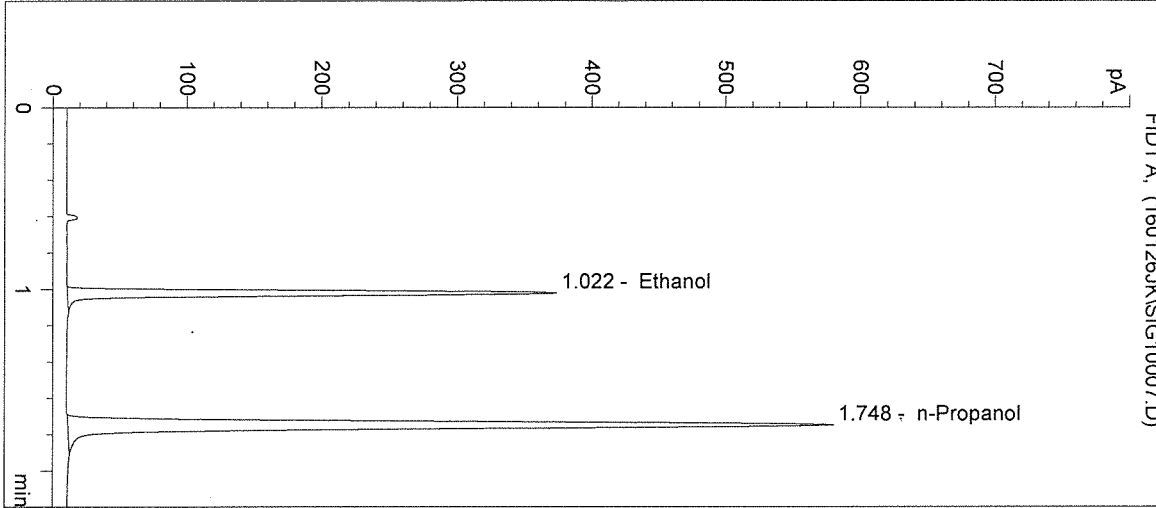
Operator: Justin Knoy

Column: DB-ALC2

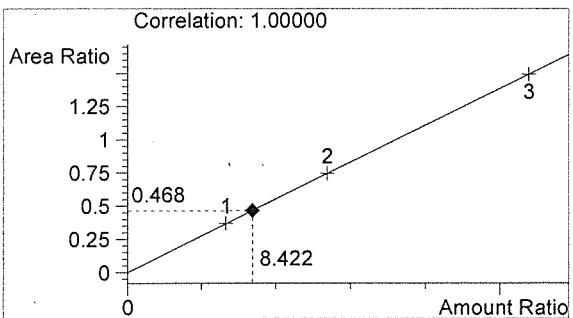
Location: Vial 7

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

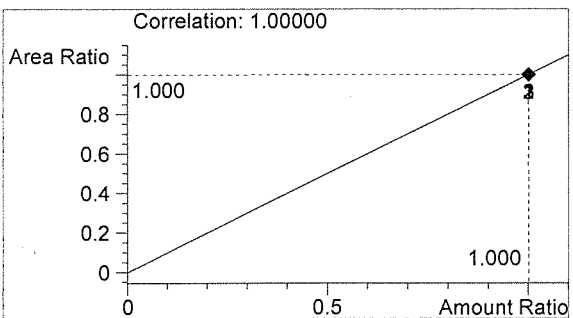
Sample Info: 0.10g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	714	1.022
2	n-Propanol	1526	1.748



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

16001

Justin Knoy

JK

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

Inj. Date: 1/26/2016 3:15:49 PM

Sample Name: CTRL3 (0.20)

Instrument: HSGC#3

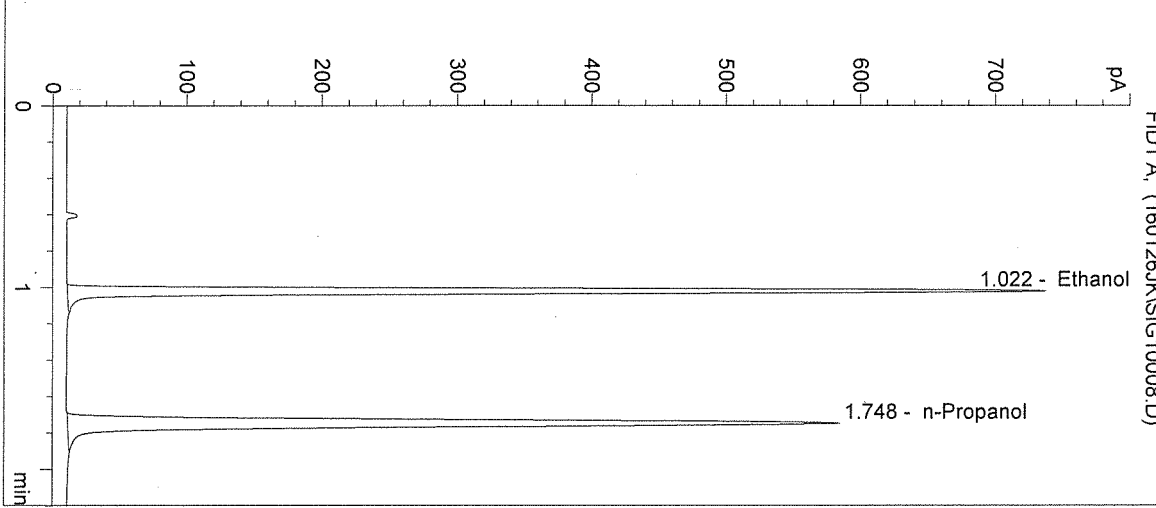
Operator: Justin Knoy

Column: DB-ALC2

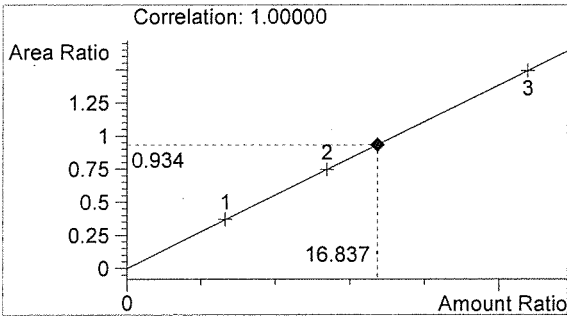
Location: Vial 8

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

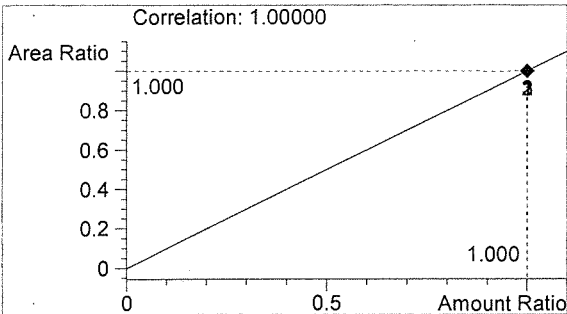
Sample Info: 0.20g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	1438	1.022
2	n-Propanol	1540	1.748



Ethanol 0.202 g/100mL



n-Propanol 0.012 g/100mL

16001

Justin

JR

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

Inj. Date: 1/26/2016 3:19:02 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

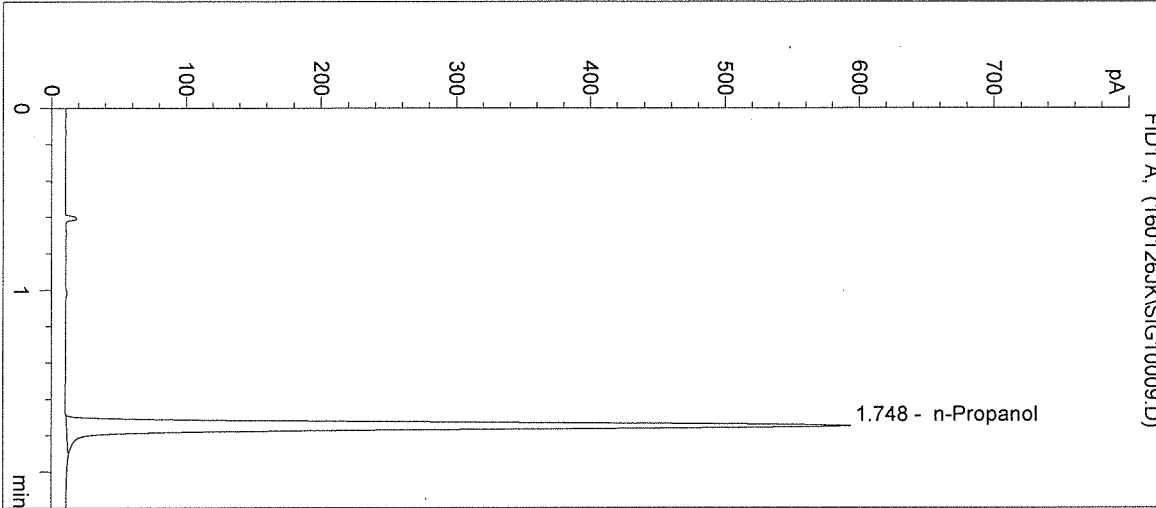
Operator: Justin Knoy

Column: DB-ALC2

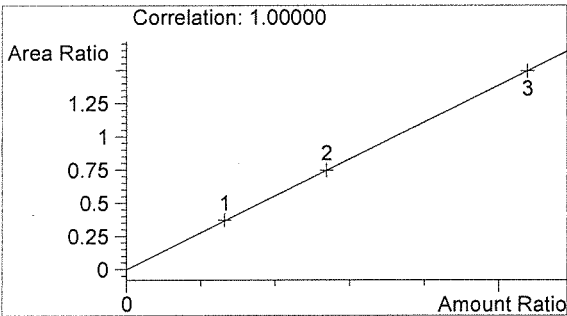
Location: Vial 9

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

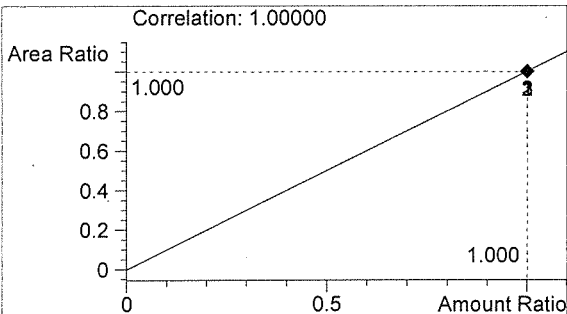
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1562	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

16001
Justin Knoy

JK

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

Inj. Date: 1/26/2016 3:22:15 PM

Sample Name: 16001-1

Instrument: HSGC#3

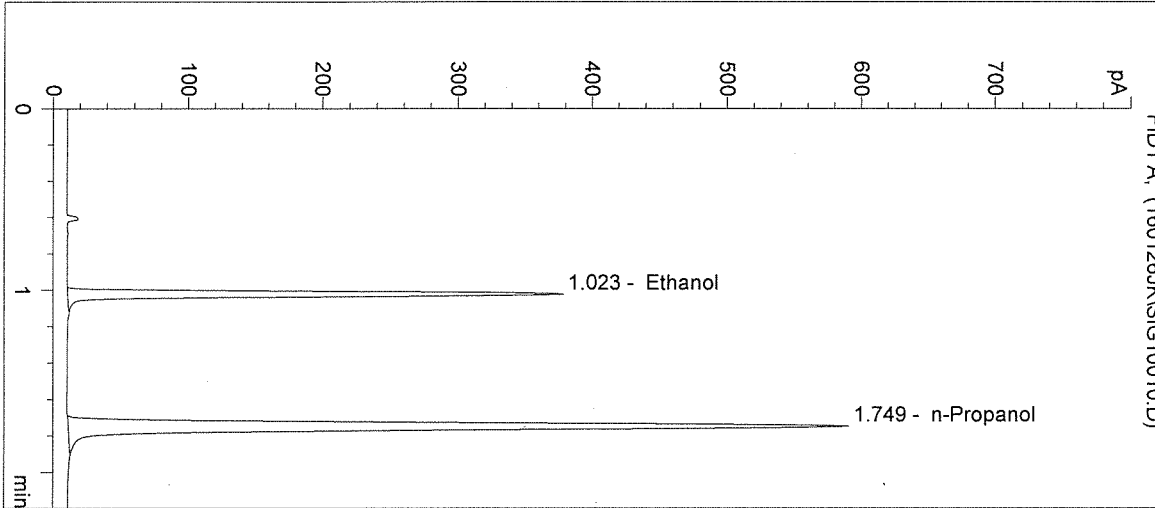
Operator: Justin Knoy

Column: DB-ALC2

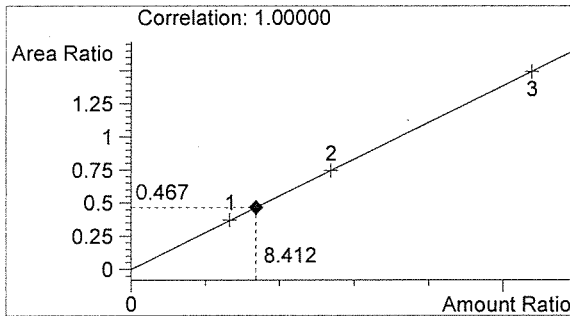
Location: Vial 10

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

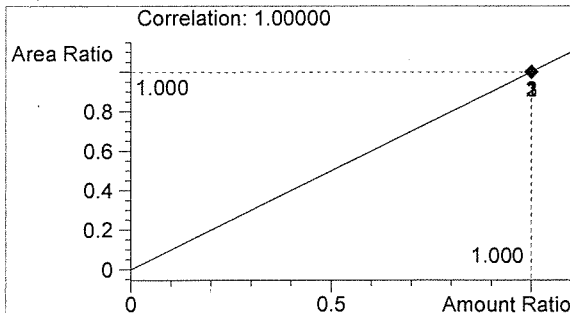
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	727	1.023
2	n-Propanol	1555	1.749



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

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

Inj. Date: 1/26/2016 3:25:28 PM

Sample Name: 16001-2

Instrument: HSGC#3

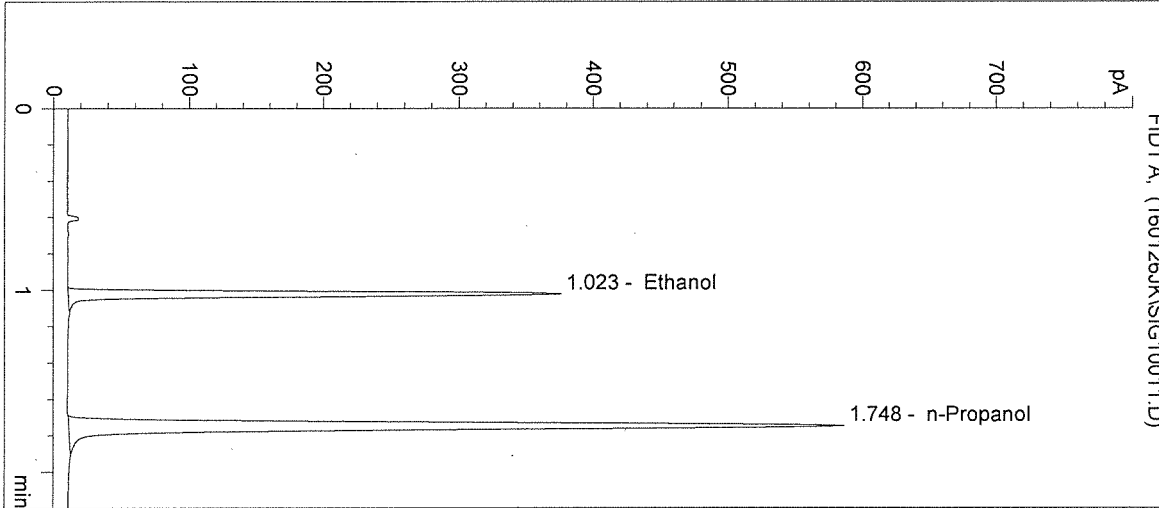
Operator: Justin Knoy

Column: DB-ALC2

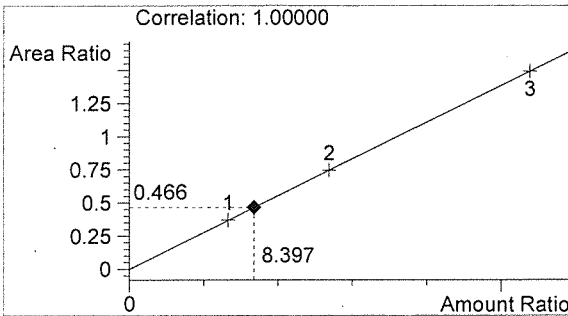
Location: Vial 11

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

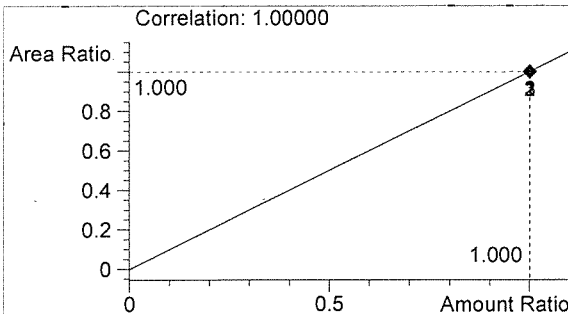
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	719	1.023
2	n-Propanol	1542	1.748



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 1/26/2016 3:28:42 PM

Sample Name: 16001-3

Instrument: HSGC#3

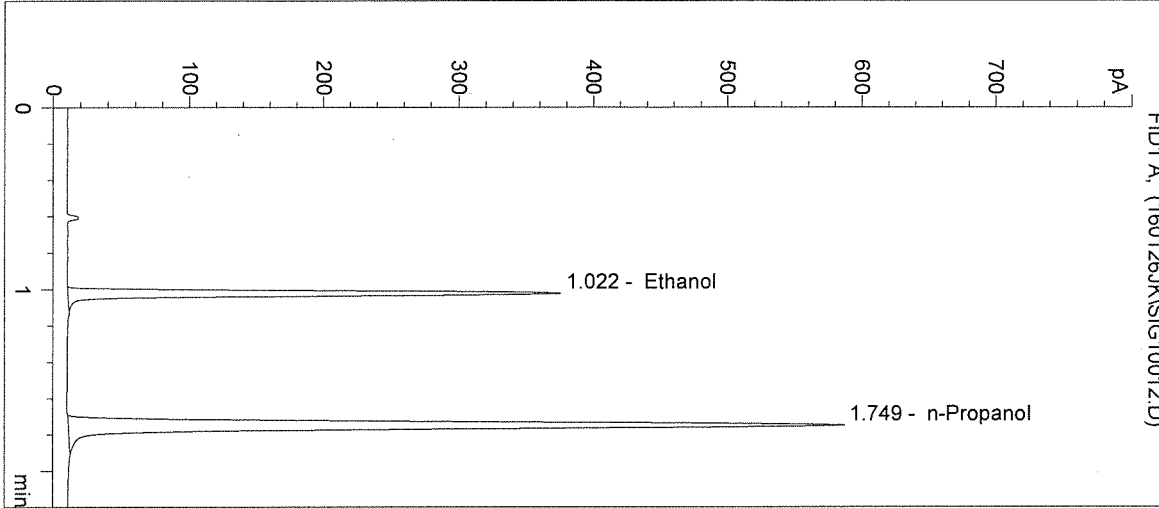
Operator: Justin Knoy

Column: DB-ALC2

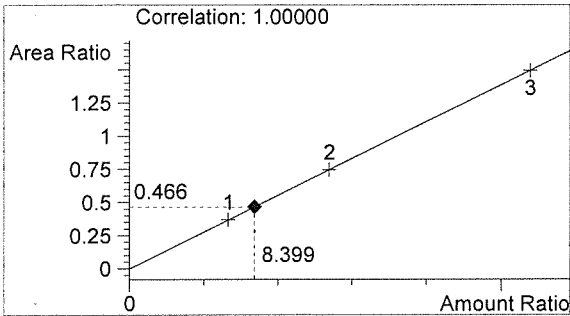
Location: Vial 12

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

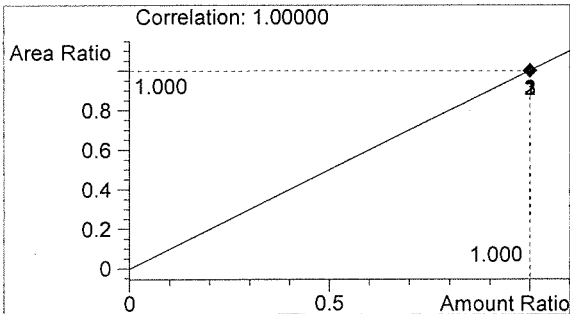
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	720	1.022
2	n-Propanol	1544	1.749



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

Inj. Date: 1/26/2016 3:31:54 PM

Sample Name: 16001-4

Instrument: HSGC#3

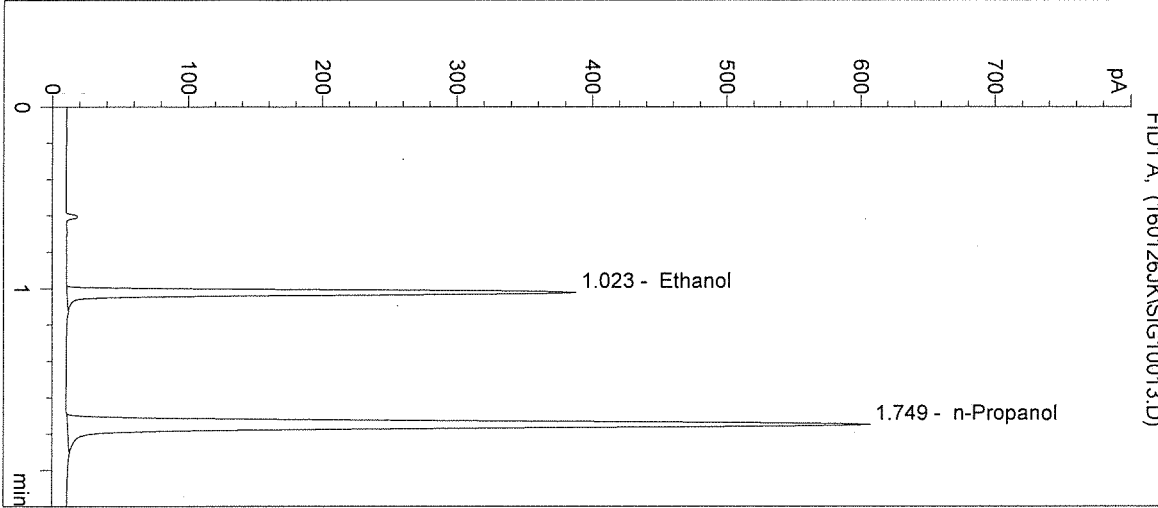
Operator: Justin Knoy

Column: DB-ALC2

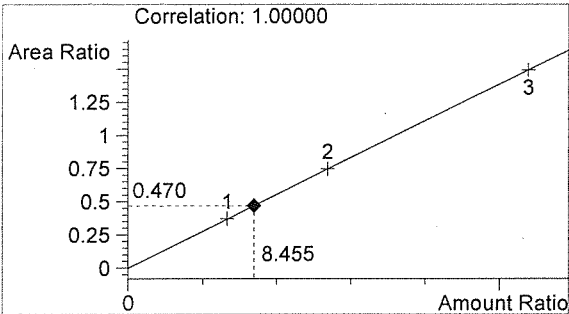
Location: Vial 13

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

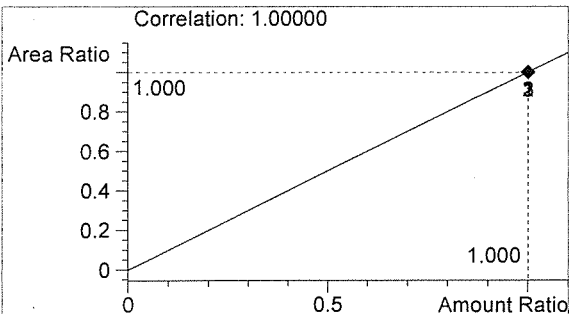
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	753	1.023
2	n-Propanol	1603	1.749



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

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

Inj. Date: 1/26/2016 3:35:08 PM

Sample Name: 16001-5

Instrument: HSGC#3

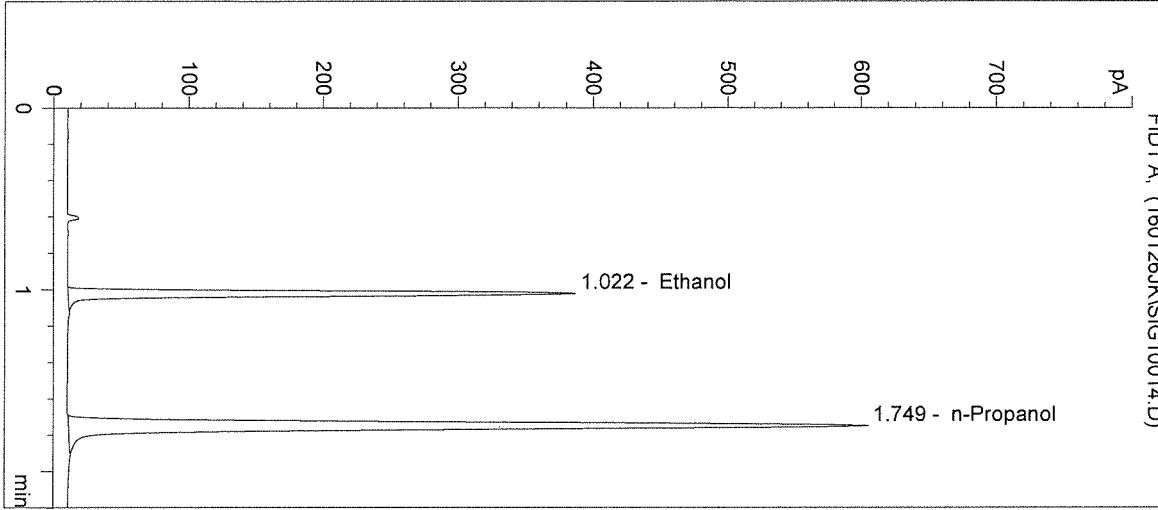
Operator: Justin Knoy

Column: DB-ALC2

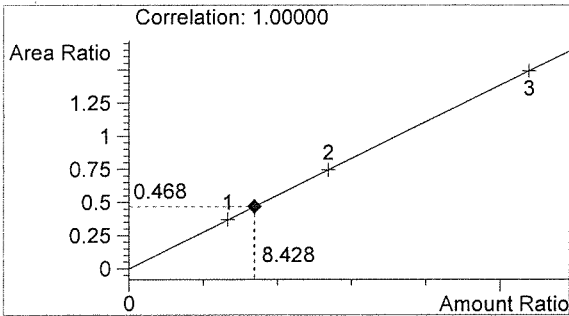
Location: Vial 14

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

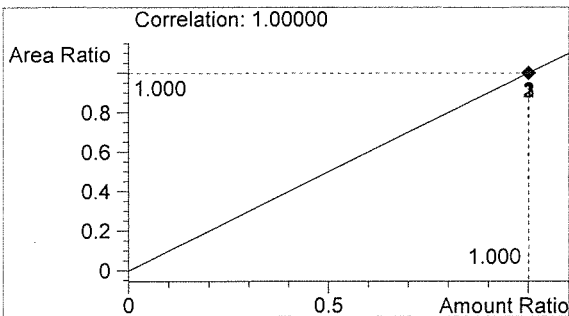
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	747	1.022
2	n-Propanol	1595	1.749



Ethanol 0.101 g/100mL



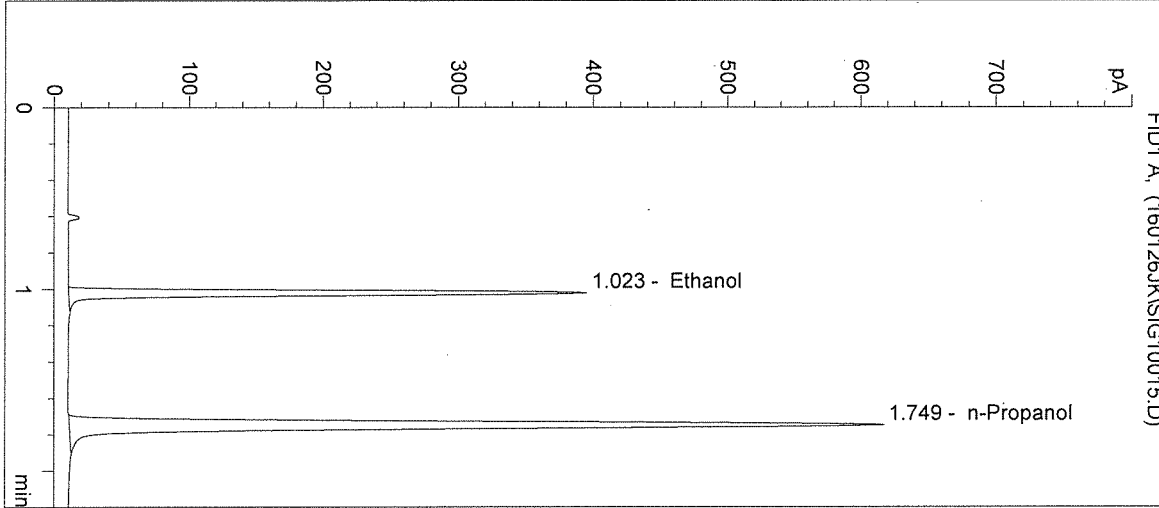
n-Propanol 0.012 g/100mL

JK

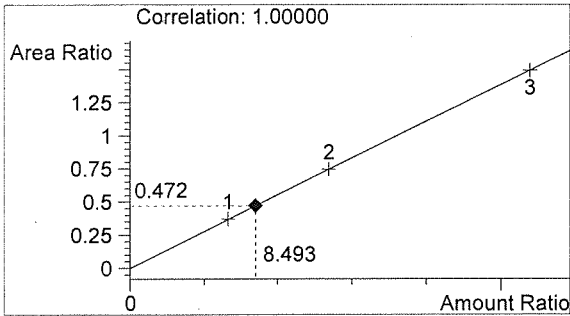
JK

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2203 Airport Way S Seattle, WA 98134

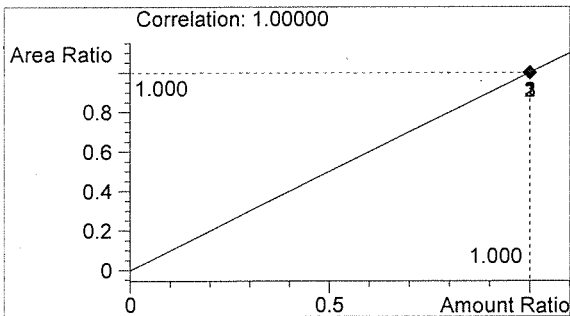
Inj. Date: 1/26/2016 3:38:22 PM Sample Name: CTRL2 (0.10)
Instrument: HSGC#3 Operator: Justin Knoy
Column: DB-ALC2 Location: Vial 15
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.10g/100mL ; 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	769	1.023
2	n-Propanol	1629	1.749



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 1/26/2016 3:41:35 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

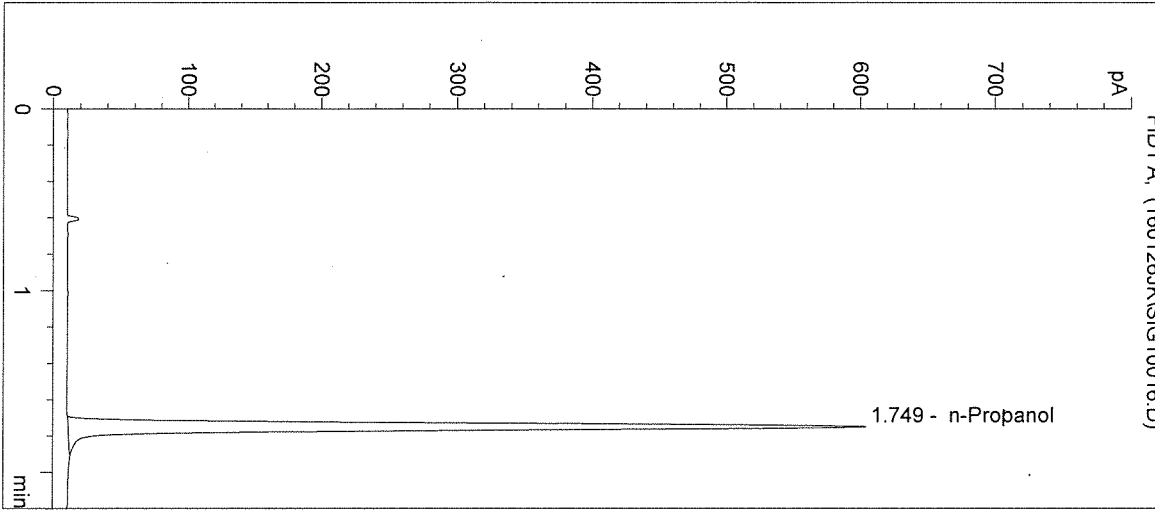
Operator: Justin Knoy

Column: DB-ALC2

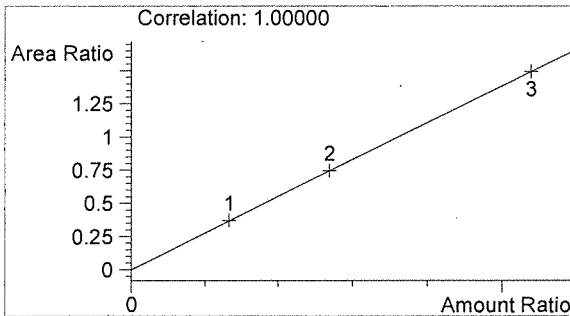
Location: Vial 16

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

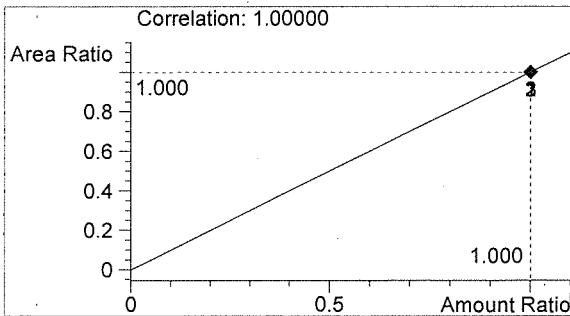
Sample Info: 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1592	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

L

JK

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\2\DATA\
 Data Subdirectory: 160128NN
 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#: E1015-01 Exp. 04/29/2016
 CAL 2: 0.158 g/100mL - Lot#: E1015-02 Exp. 04/29/2016
 CAL 3: 0.316 g/100mL - Lot#: E1015-03 Exp. 04/29/2016

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

 n-Propranol ISTD - Lot#: P1115 Exp. 02/20/2016

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16001-1	SIMALC3	1	Sample		
11	Vial 11	16001-2	SIMALC3	1	Sample		
12	Vial 12	16001-3	SIMALC3	1	Sample		
13	Vial 13	16001-4	SIMALC3	1	Sample		
14	Vial 14	16001-5	SIMALC3	1	Sample		
15	Vial 15	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

Run stopped due to "alarm tray locked"; restarted on 1.29.16 to resume the run. 1.29.16

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL 2 (0.158)	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL 3 (0.316)	SIMALC3	3	Replace	Replace	

OK ✓ 1/28/16

Sequence: C:\HPCHEM\2\SEQUENCE\NNQAP3.S

Sequence Table (Back Injector):

No entries - empty table!

16001

Jan 28/16

mm

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

Calib. Data Modified : Thursday, January 28, 2016 4:00:23 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,

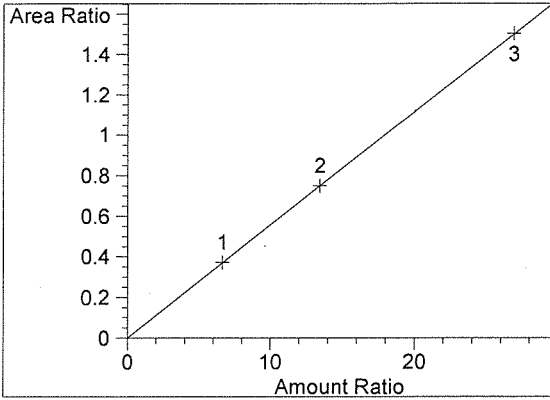
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.023	1 1	7.96600e-2	608.96411	1.30812e-4	1 Ethanol
		1.61370e-1	1161.18030	1.38971e-4	
		3.22930e-1	2344.84351	1.37719e-4	
1.750	1 1	1.20000e-2	1634.12488	7.34338e-6	I1 n-Propanol
		1.20000e-2	1548.29883	7.75044e-6	
		1.20000e-2	1559.72388	7.69367e-6	

16001
Signature

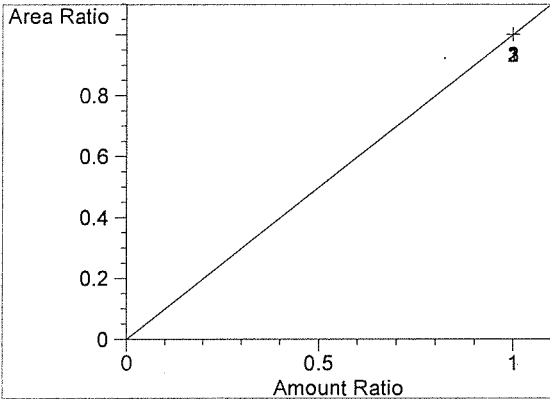
=====
 Peak Sum Table
 =====

No Entries in table
 =====

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



Ethanol at exp. RT: 1.023
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00150
Formula: $y = mx + b$
m: 5.58362e-2
b: 4.70271e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.750
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

16001

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Handwritten signature

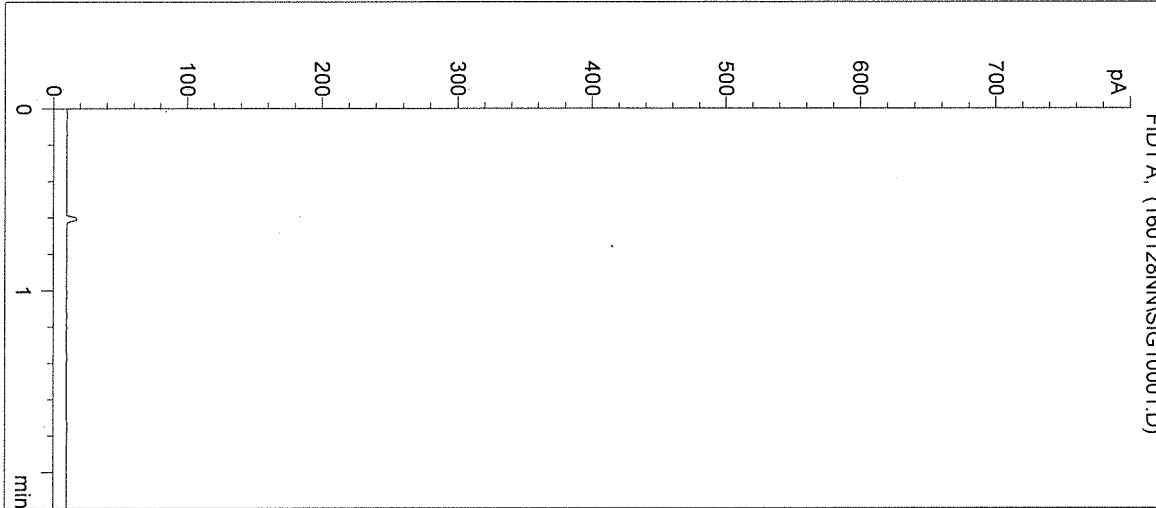
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/28/2016 3:48:18 PM
Instrument: HSGC#3

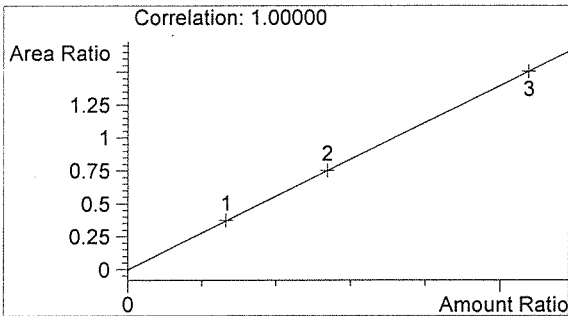
Sample Name: BLANK
Operator: Naziha Nuwayhid, PhD
Location: Vial 1

Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

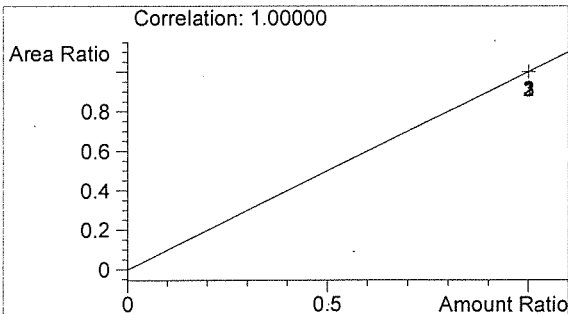
Sample Info: 16001



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



Ethanol 0.000 g/100mL



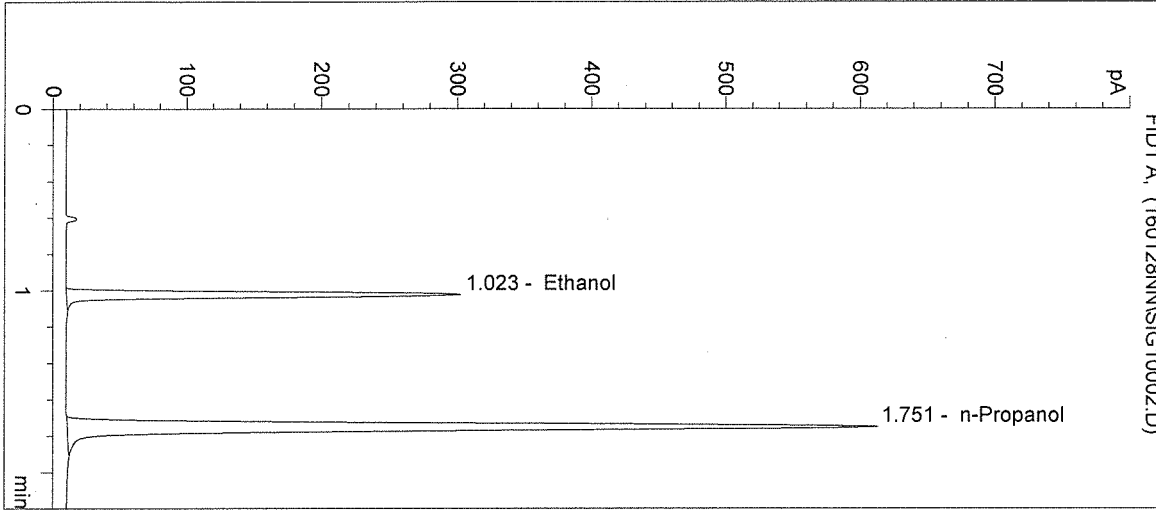
n-Propanol 0.000 g/100mL

Handwritten initials

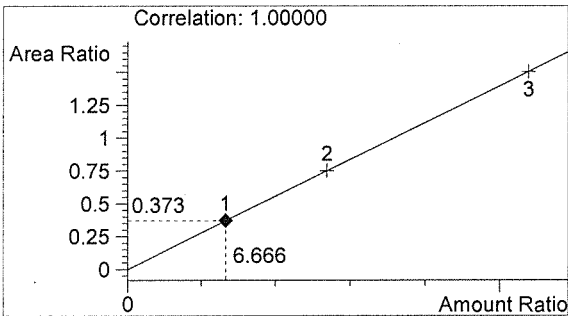
Handwritten initials

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2203 Airport Way S Seattle, WA 98134

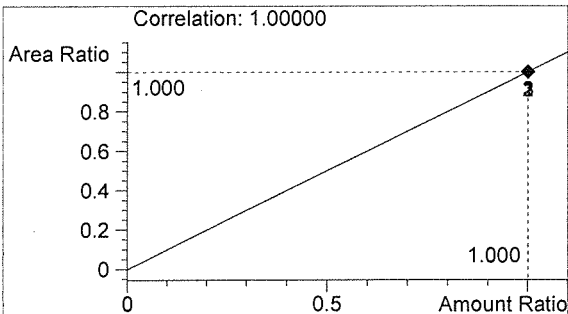
Inj. Date: 1/28/2016 3:51:36 PM Sample Name: CAL 1 (0.079)
Instrument: HSGC#3 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC2 Location: Vial 2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 1: 0.079 g/100mL
16001



#	Compound	Peak Area	RT (min)
1	Ethanol	609	1.023
2	n-Propanol	1634	1.751



Ethanol 0.080 g/100mL



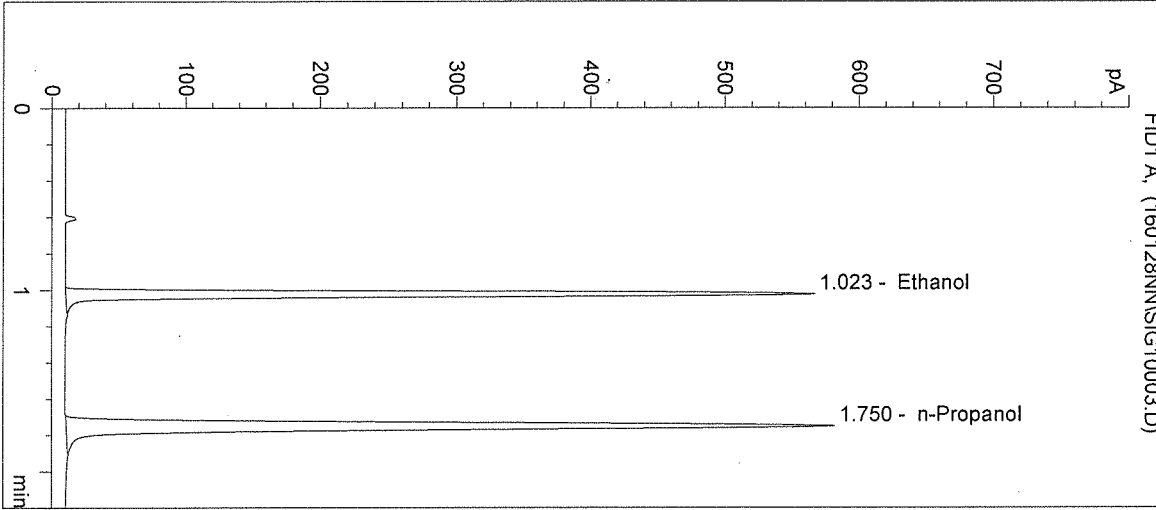
n-Propanol 0.012 g/100mL

Handwritten signature

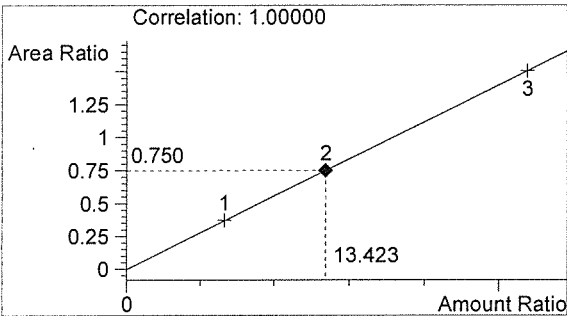
Handwritten signature

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2203 Airport Way S Seattle, WA 98134

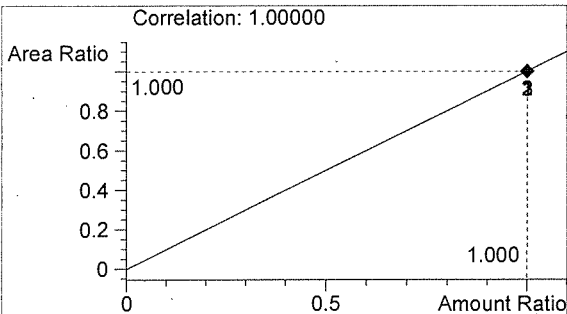
Inj. Date: 1/28/2016 3:54:54 PM Sample Name: CAL 2 (0.158)
Instrument: HSGC#3 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC2 Location: Vial 3
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 2: 0.158 g/100mL
16001



#	Compound	Peak Area	RT (min)
1	Ethanol	1161	1.023
2	n-Propanol	1548	1.750



Ethanol 0.161 g/100mL



n-Propanol 0.012 g/100mL

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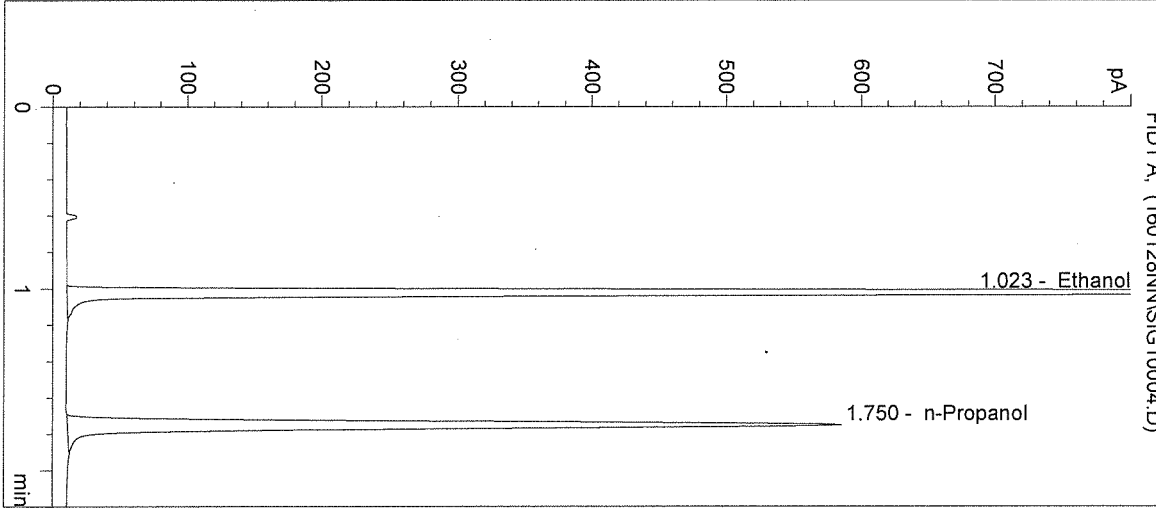
Handwritten mark

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 2203 Airport Way S Seattle, WA 98134

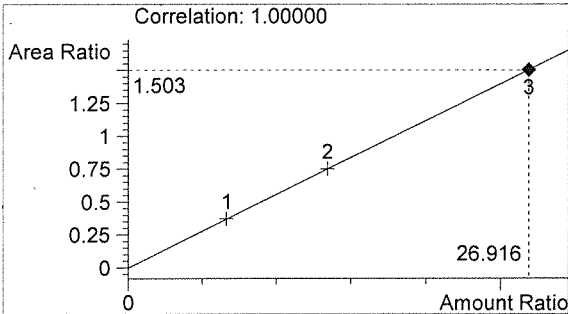
Inj. Date: 1/28/2016 3:58:11 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CAL 3: 0.316 g/100mL
 16001

Sample Name: CAL 3 (0.316)
 Operator: Naziha Nuwayhid, PhD
 Location: Vial 4

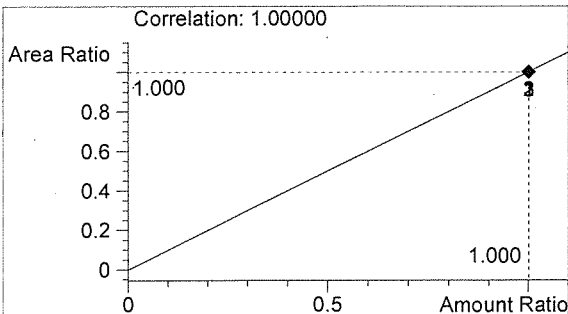
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2345	1.023
2	n-Propanol	1560	1.750



Ethanol 0.323 g/100mL



n-Propanol 0.012 g/100mL

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Handwritten signature

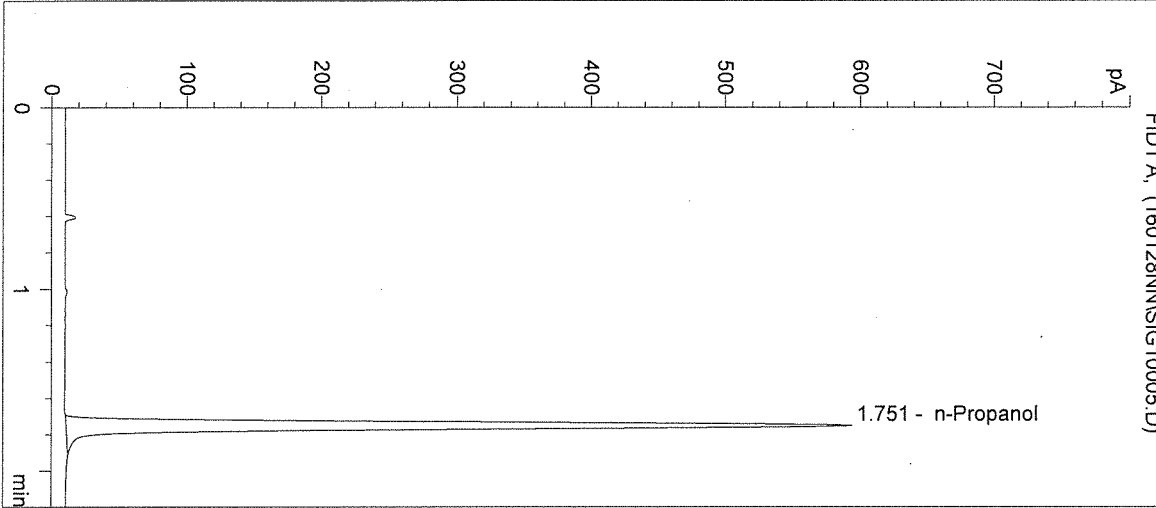
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/28/2016 4:01:24 PM
Instrument: HSGC#3

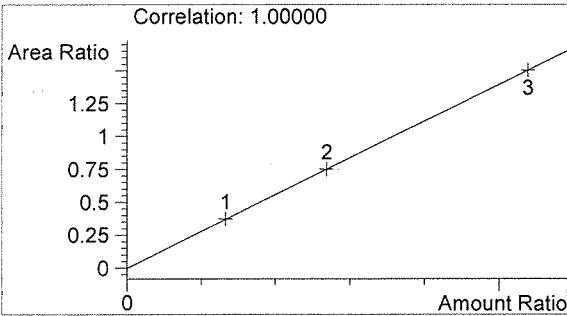
Sample Name: NEG CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 5

Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

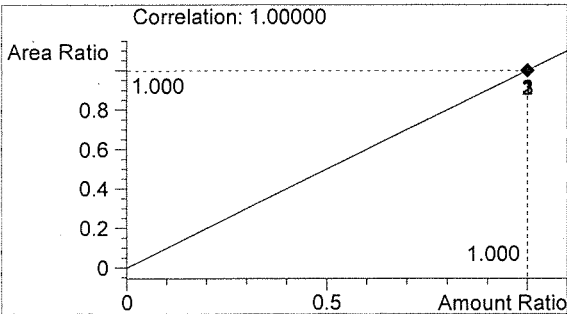
Sample Info: 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1584	1.751



Ethanol 0.000 g/100mL



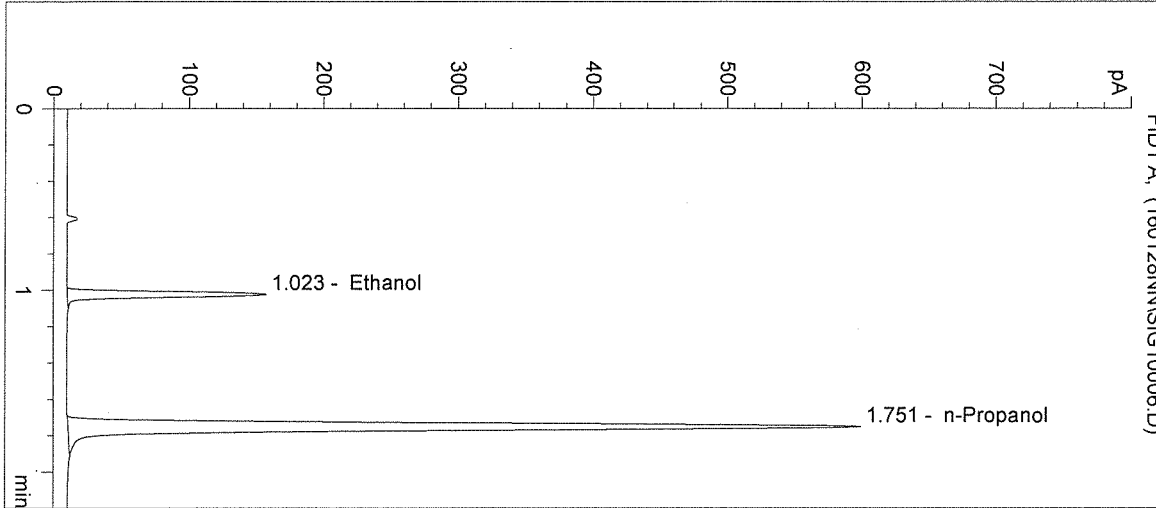
n-Propanol 0.012 g/100mL

ln

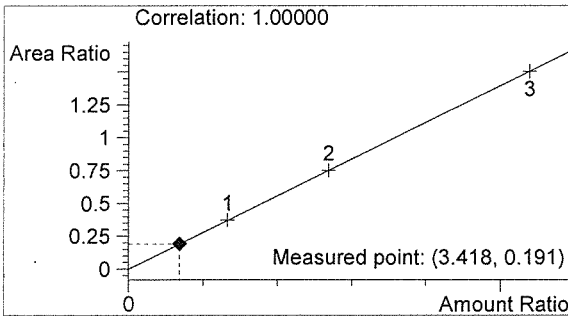
no

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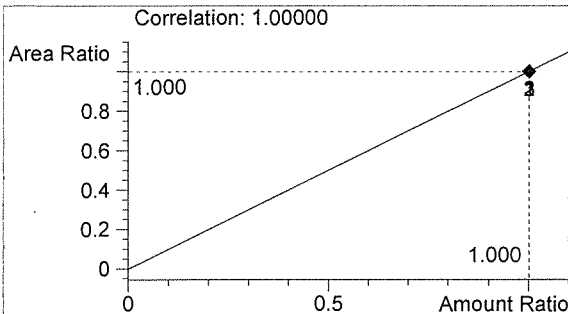
Inj. Date: 1/28/2016 4:04:37 PM Sample Name: CTRL 1 (0.04)
Instrument: HSGC#3 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC2 Location: Vial 6
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 1: 0.04 g/100mL
16001



#	Compound	Peak Area	RT (min)
1	Ethanol	306	1.023
2	n-Propanol	1598	1.751



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

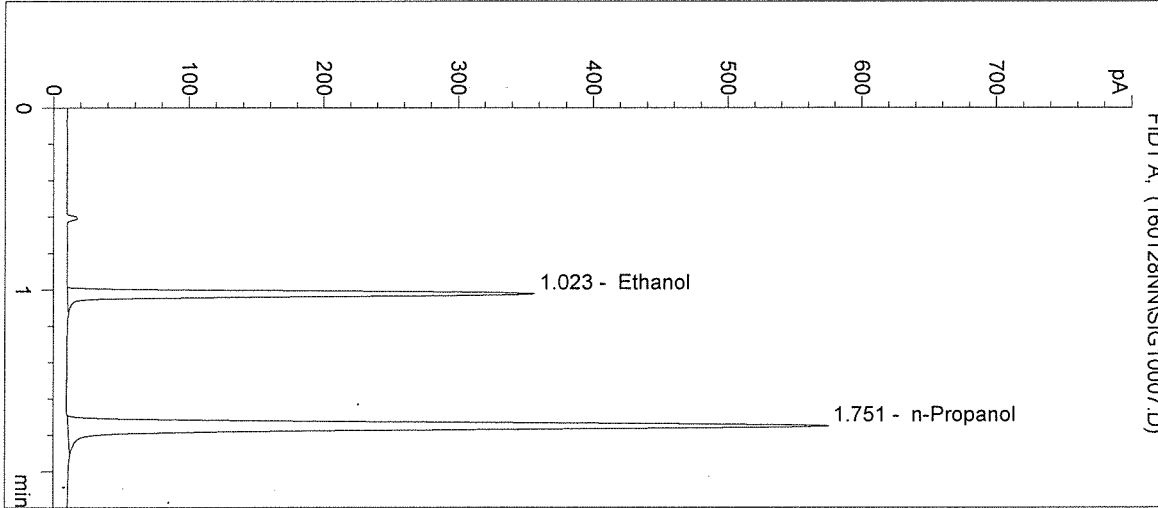
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20

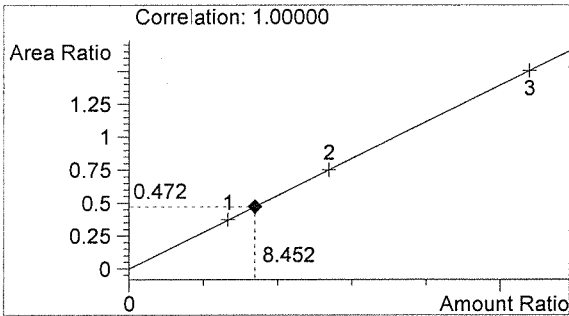
Handwritten signature

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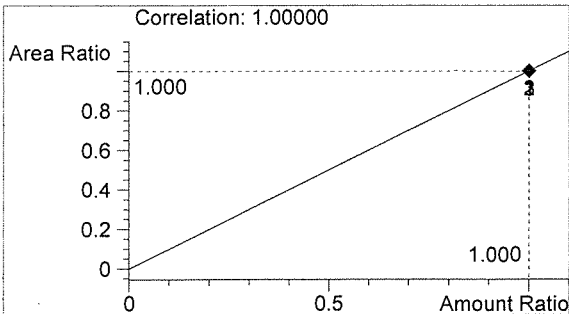
Inj. Date: 1/28/2016 4:07:50 PM Sample Name: CTRL 2 (0.10)
Instrument: HSGC#3 Operator: Naziha Nuwayhid, PhD
Column: DB-ALC2 Location: Vial 7
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 2: 0.10 g/100mL
16001



#	Compound	Peak Area	RT (min)
1	Ethanol	723	1.023
2	n-Propanol	1530	1.751



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

fn

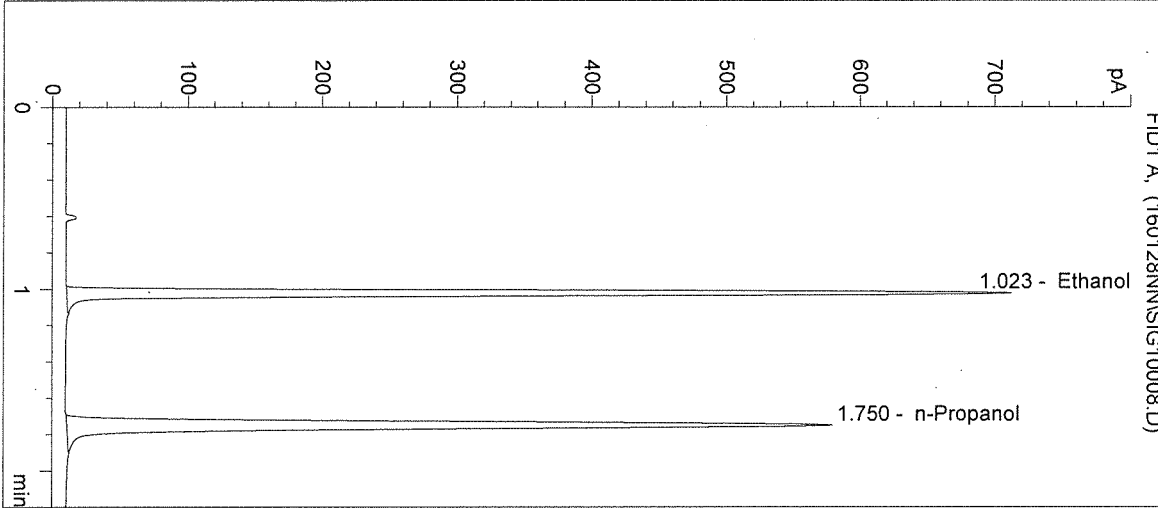
me

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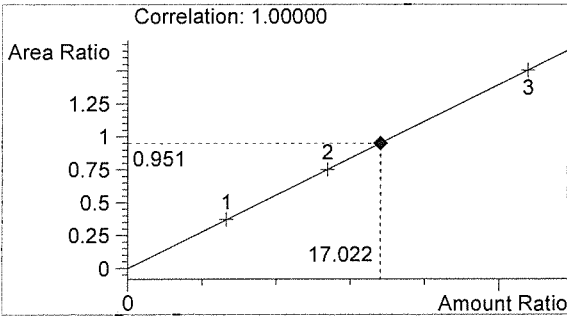
Inj. Date: 1/28/2016 4:11:04 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 3: 0.20 g/100mL
 16001

Sample Name: CTRL 3 (0.20)
 Operator: Naziha Nuwayhid, PhD
 Location: Vial 8

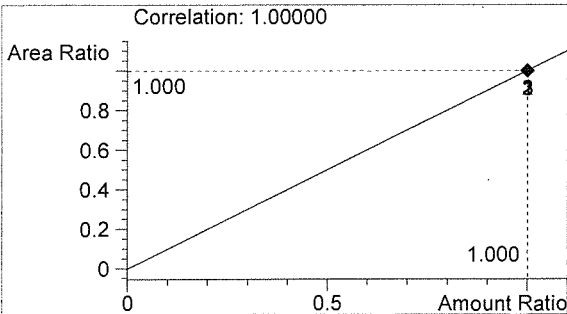
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1466	1.023
2	n-Propanol	1542	1.750



Ethanol 0.204 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 1/28/2016 4:14:17 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

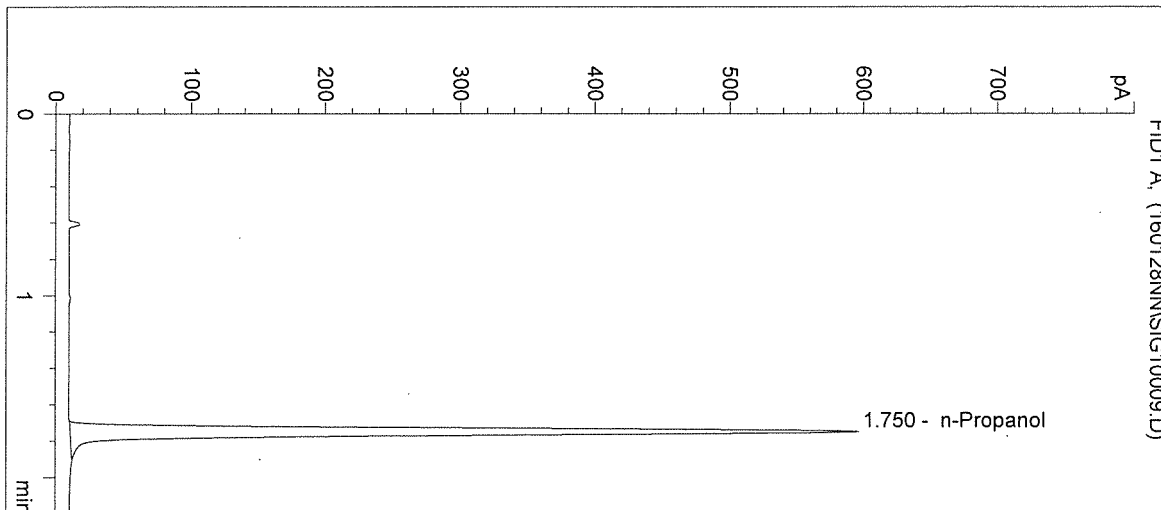
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

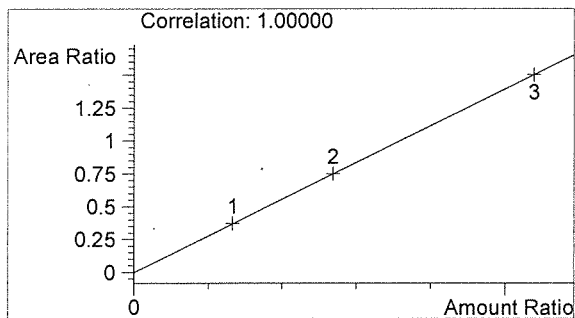
Location: Vial 9

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

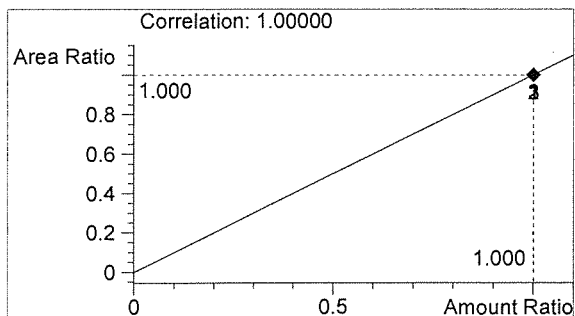
Sample Info: 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1587	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 1/28/2016 4:17:31 PM

Sample Name: 16001-1

Instrument: HSGC#3

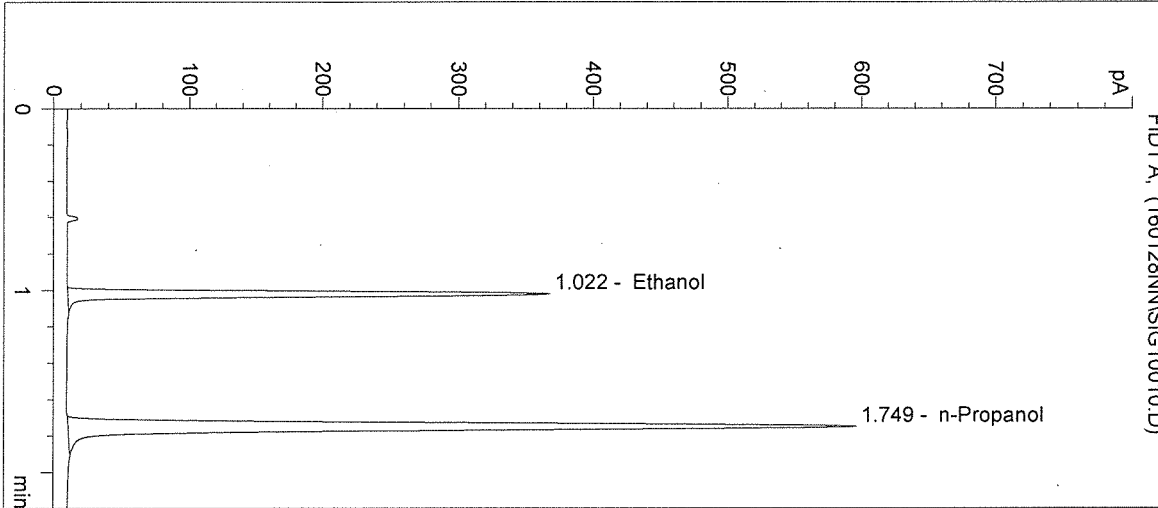
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

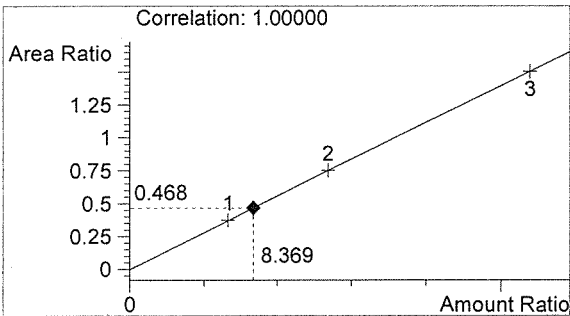
Location: Vial 10

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

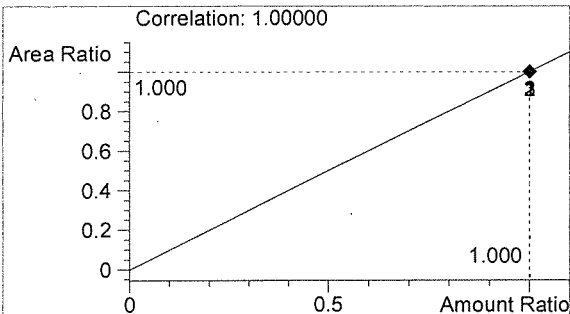
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	742	1.022
2	n-Propanol	1587	1.749



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 1/28/2016 4:20:43 PM

Sample Name: 16001-2

Instrument: HSGC#3

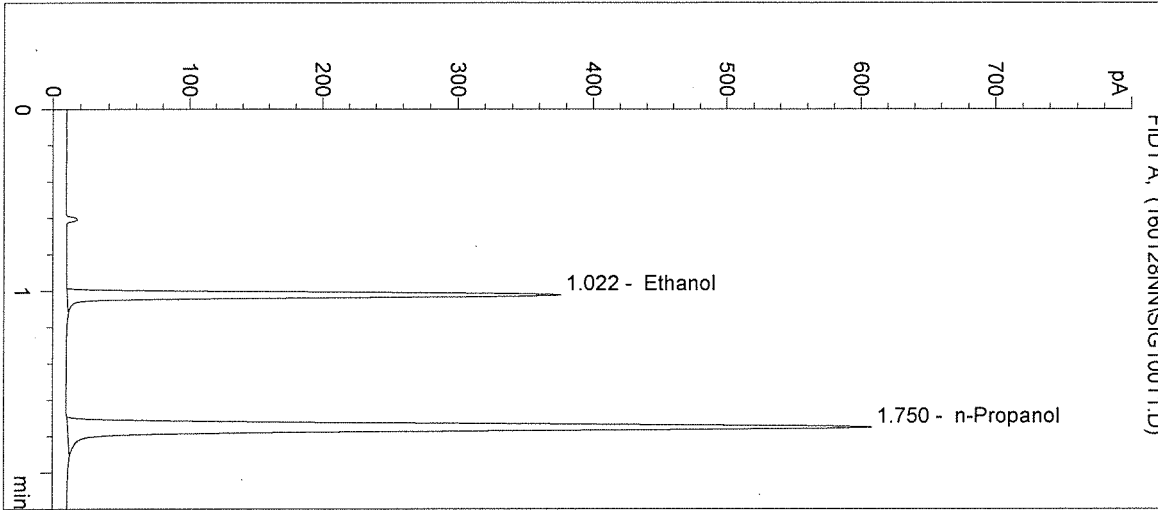
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

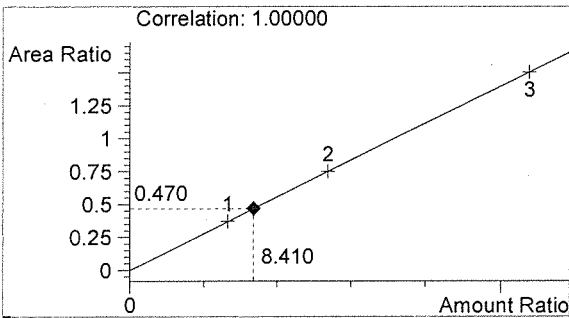
Location: Vial 11

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

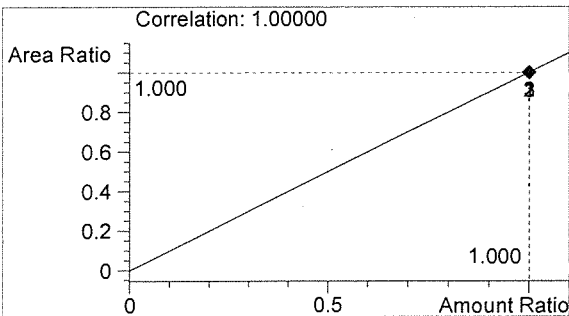
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	761	1.022
2	n-Propanol	1619	1.750



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 1/29/2016 7:04:20 AM

Sample Name: 16001-3

Instrument: HSGC#3

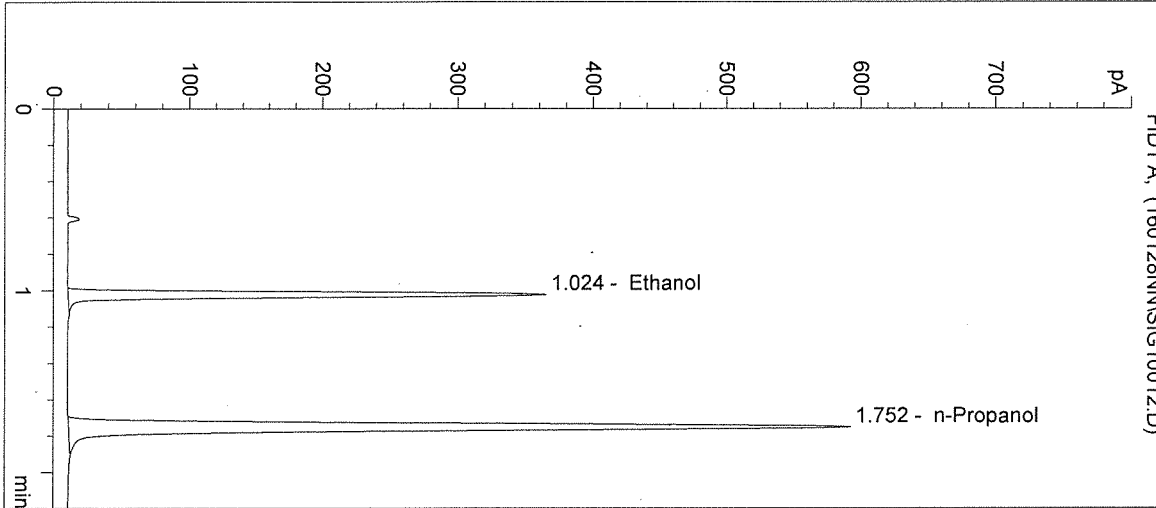
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

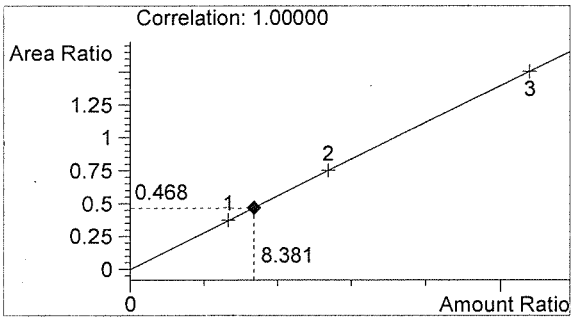
Location: Vial 12

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

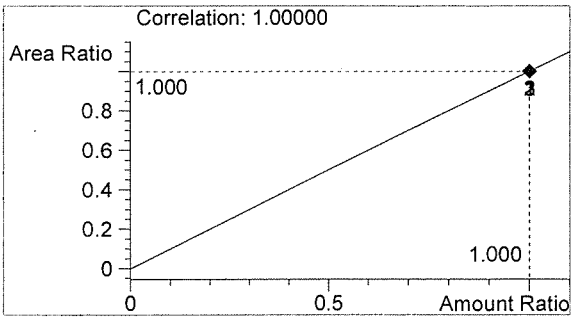
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	740	1.024
2	n-Propanol	1579	1.752



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Dr

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Inj. Date: 1/29/2016 7:07:39 AM

Sample Name: 16001-4

Instrument: HSGC#3

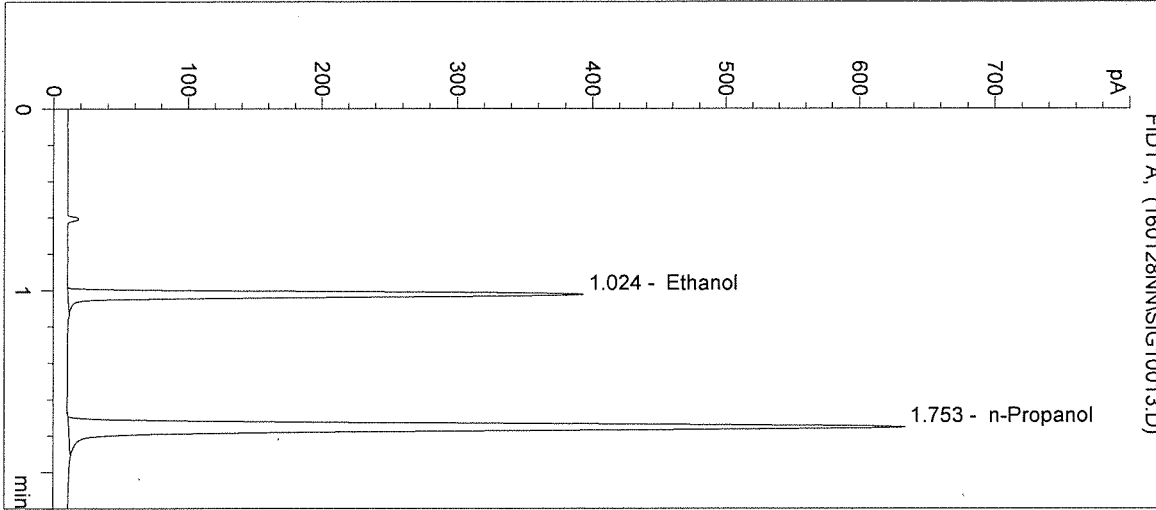
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

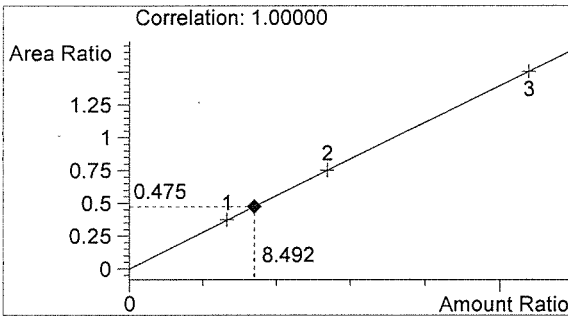
Location: Vial 13

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

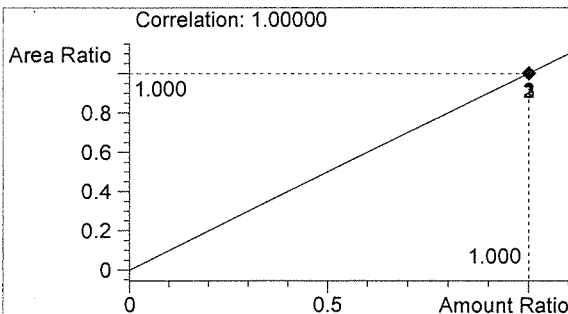
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	805	1.024
2	n-Propanol	1695	1.753



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 1/29/2016 7:10:57 AM

Sample Name: 16001-5

Instrument: HSGC#3

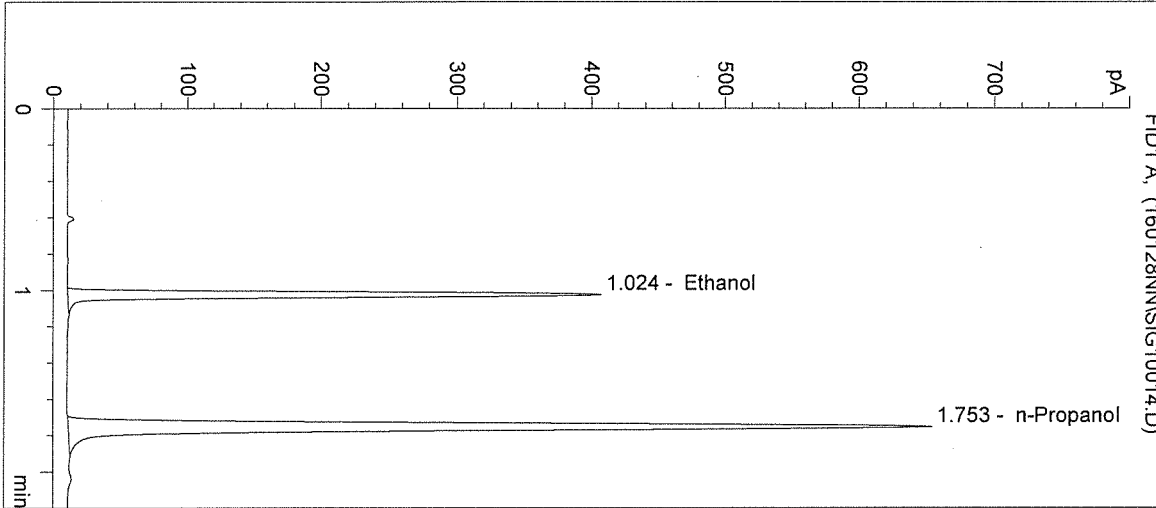
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

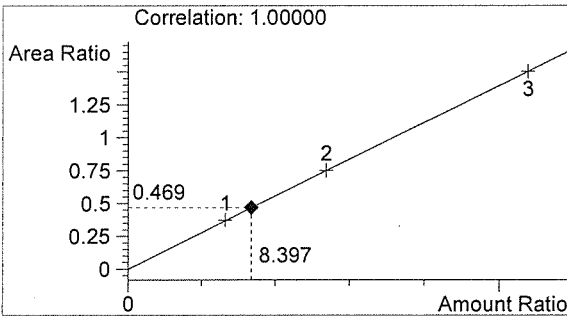
Location: Vial 14

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

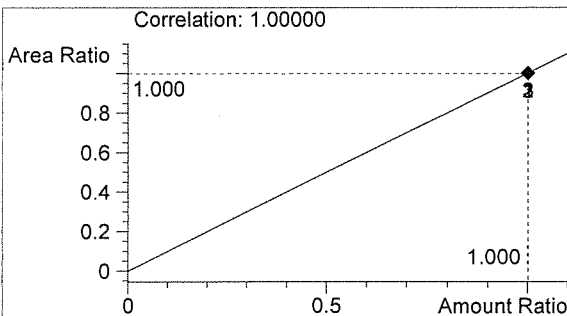
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	822	1.024
2	n-Propanol	1751	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 1/29/2016 7:14:14 AM

Sample Name: CTRL 2 (0.10)

Instrument: HSGC#3

Operator: Naziha Nuwayhid, PhD

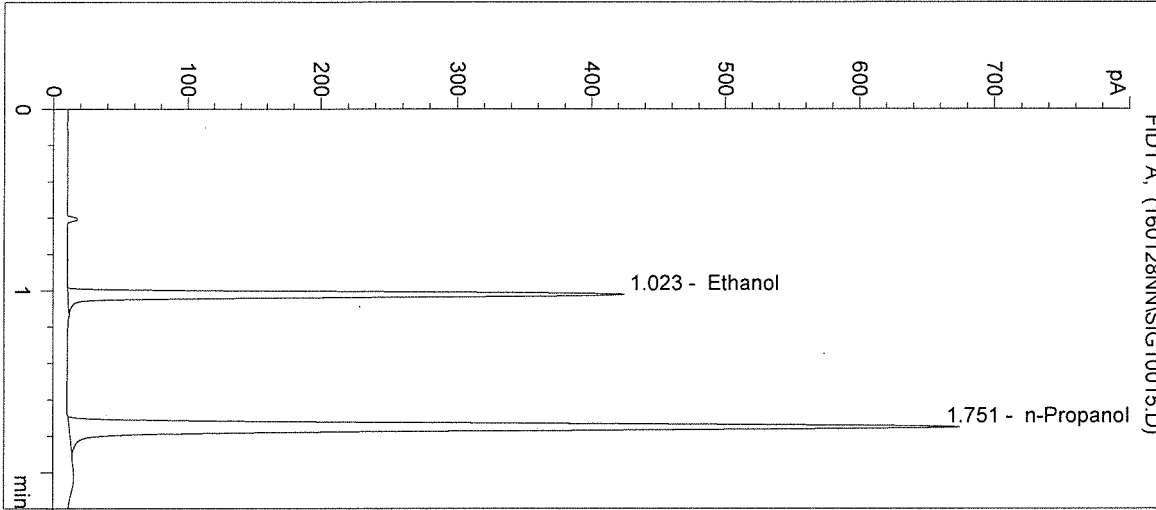
Column: DB-ALC2

Location: Vial 15

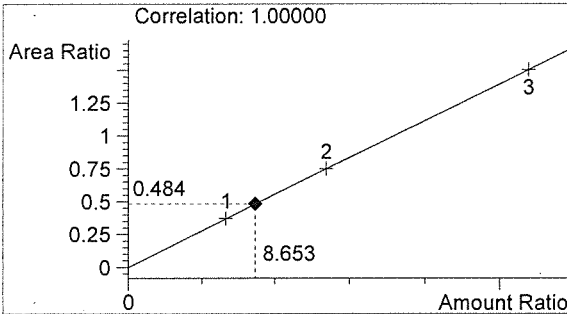
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: POS CTRL: 0.10 g/100mL
 16001

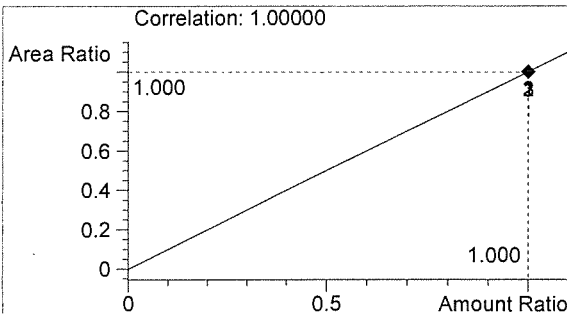
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#	Compound	Peak Area	RT (min)
1	Ethanol	868	1.023
2	n-Propanol	1796	1.751



Ethanol 0.104 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 1/29/2016 7:17:28 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

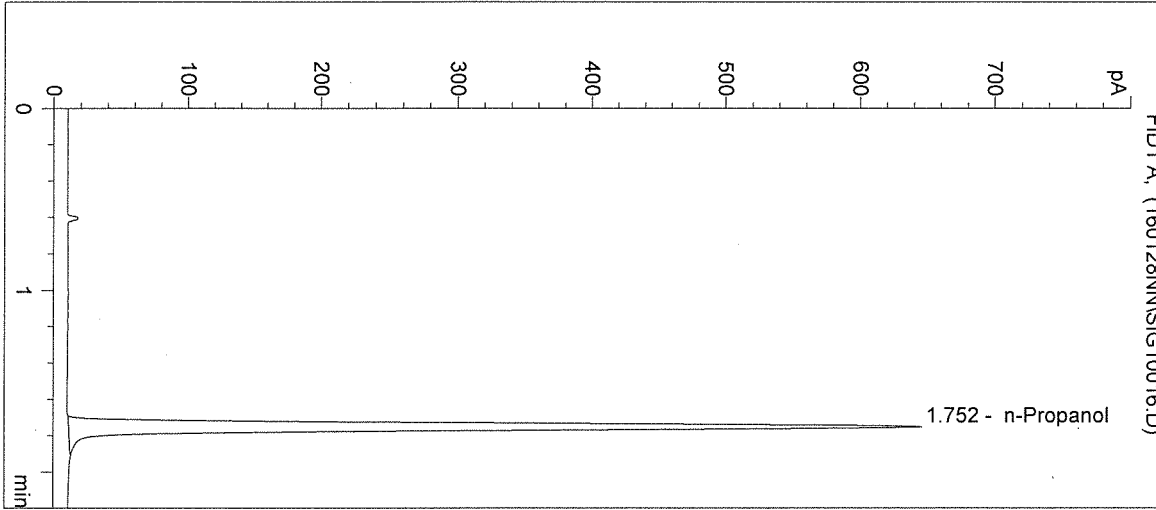
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC2

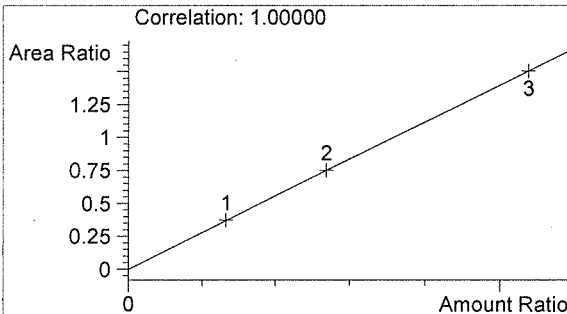
Location: Vial 16

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

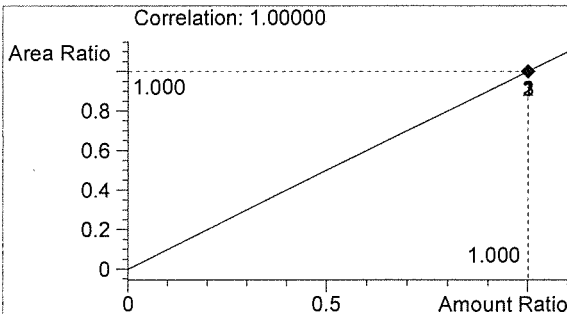
Sample Info: 16001



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1729	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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