



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 16002

**CUSTOMER INFORMATION**

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

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

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.04 g/210L  
DATE PREPARED: 02/10/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Elizabeth Wehner

	EW	JLK	AG
1	0.050	0.050	0.051
2	0.050	0.050	0.050
3	0.050	0.051	0.051
4	0.050	0.051	0.051
5	0.051	0.051	0.051
C	0.103	0.102	0.101

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.0505 g/100mL PRECISION CV (%): 1.02  
STANDARD DEVIATION: 0.00052 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.0411 g/210L  
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

*Lisa Noble*  
\_\_\_\_\_  
Lisa Noble Forensic Scientist Supervisor

*3/18/16*  
\_\_\_\_\_  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
EW	Elizabeth Wehner	<i>Elizabeth Wehner</i>	02/10/2016
JLK	Justin L. Knoy	<i>Justin L. Knoy</i>	02/11/2016
AG	Andrew Gingras	<i>Andrew Gingras</i>	02/12/2016

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 #: 16002

Date Prepared: 2/10/2016

Analyst:	EW	JLK	AG
Date Tested:	2/10/2016	2/11/2016	2/12/2016
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.050	0.050	0.051
2	0.050	0.050	0.050
3	0.050	0.051	0.051
4	0.050	0.051	0.051
5	0.051	0.051	0.051
C	0.103	0.102	0.101

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000069618	0.0000320390	0.0001016326

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

Average Solution Concentration: 0.0505 g/100mL  
Standard Deviation: 0.00052 g/100mL  
Precision CV (%): 1.02  
Equivalent Vapor Concentration: 0.0411 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0005 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0010 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 3/7/16  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 3-15-16  
Name Signature Date

Method: Hand Calculations

Tech. review performed by: Lisa Noble [Signature] 3/7/16  
Name Signature Date


## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 3-15-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16002

	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: 3-15-16



**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	<i>AG</i>	3/10/16
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	<i>EW</i>	03/09/16
Justin Knoy	<i>JK</i>	3.10.16
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16002 3/17/16

\_\_\_\_\_  
 State Toxicologist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16002**

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 16002, was prepared in the Washington State Toxicology Laboratory on 2/10/2016. 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 2/10/2017.

Seattle, WA

*Elizabeth Wehner 03/09/14*

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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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16002**

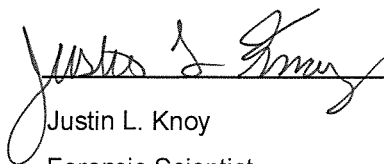
I, Justin L. Knoy, do certify under penalty of perjury that:

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 Biology, and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 16002, was prepared in the Washington State Toxicology Laboratory on 2/10/2016. 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 2/10/2017.

Seattle, WA

 3-10-16  
Justin L. Knoy Date  
Forensic Scientist





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

Preparation Date: 02/10/16 Expiration Date: 02/10/17 Initials of Preparer: EWLot # of 200-proof Ethanol used in preparation: 2EA0437Date 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 checked="" type="checkbox"/>	<u>16 002</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16 003</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>16 004</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16 005</u>
QAP 0.20	56.1	18	<input type="checkbox"/>	<u>          </u>
ESS	66.5	52	<input type="checkbox"/>	<u>          </u>

Stir bar is rotating Stirred for minimum 30 minutes; 2 hours for ESS Spigot purged Aliquot taken Batch labeled, packaged and sealed 02/10/16  
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:

Elizabeth Wehner  
Analyst Signature

02/10/16  
Date

*EW*



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\2\DATA\  
 Data Subdirectory: 160210EW  
 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#: P0216 Exp: 05/02/2016

Calibration vials 1-9 are filed with Batch 16002.

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	16002 #1	SIMALC3	1	Sample		
11	Vial 11	16002 #2	SIMALC3	1	Sample		
12	Vial 12	16002 #3	SIMALC3	1	Sample		
13	Vial 13	16002 #4	SIMALC3	1	Sample		
14	Vial 14	16002 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16003 #1	SIMALC3	1	Sample		
18	Vial 18	16003 #2	SIMALC3	1	Sample		
19	Vial 19	16003 #3	SIMALC3	1	Sample		
20	Vial 20	16003 #4	SIMALC3	1	Sample		
21	Vial 21	16003 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16004 #1	SIMALC3	1	Sample		

~~20091~~ In 3/7/16

16002

In 3/7/16

EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16004 #2	SIMALC3	1	Sample		
26	Vial 26	16004 #3	SIMALC3	1	Sample		
27	Vial 27	16004 #4	SIMALC3	1	Sample		
28	Vial 28	16004 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16005 #1	SIMALC3	1	Sample		
32	Vial 32	16005 #2	SIMALC3	1	Sample		
33	Vial 33	16005 #3	SIMALC3	1	Sample		
34	Vial 34	16005 #4	SIMALC3	1	Sample		
35	Vial 35	16005 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

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		

Sequence Table (Back Injector):

No entries - empty table!

16002

*Jn 3/7/16*

*EW*

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

Calib. Data Modified : Wednesday, February 10, 2016 10:20:27 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
1.023	1 1	7.96600e-2	563.60168	1.41341e-4	1 Ethanol
		1.61370e-1	1135.68408	1.42091e-4	
		3.22930e-1	2286.90063	1.41209e-4	
1.750	1 1	1.20000e-2	1586.55347	5.56356e-6	I1 n-Propanol
		1.20000e-2	1584.68787	5.57247e-6	
		1.20000e-2	1593.41028	7.53102e-6	

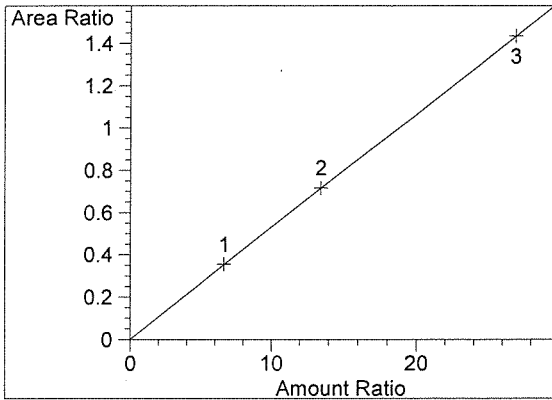
16002  
 2/23/16

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

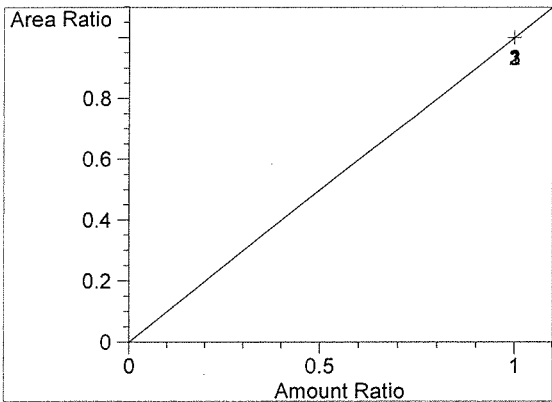
\*\*\*No Entries in table\*\*\*  
 =====

EW

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



Ethanol at exp. RT: 1.023  
FID1 A,  
Correlation: 1.00000 ✓  
Residual Std. Dev.: 0.00086  
Formula:  $y = mx + b$   
m: 5.33149e-2  
b: 3.74775e-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

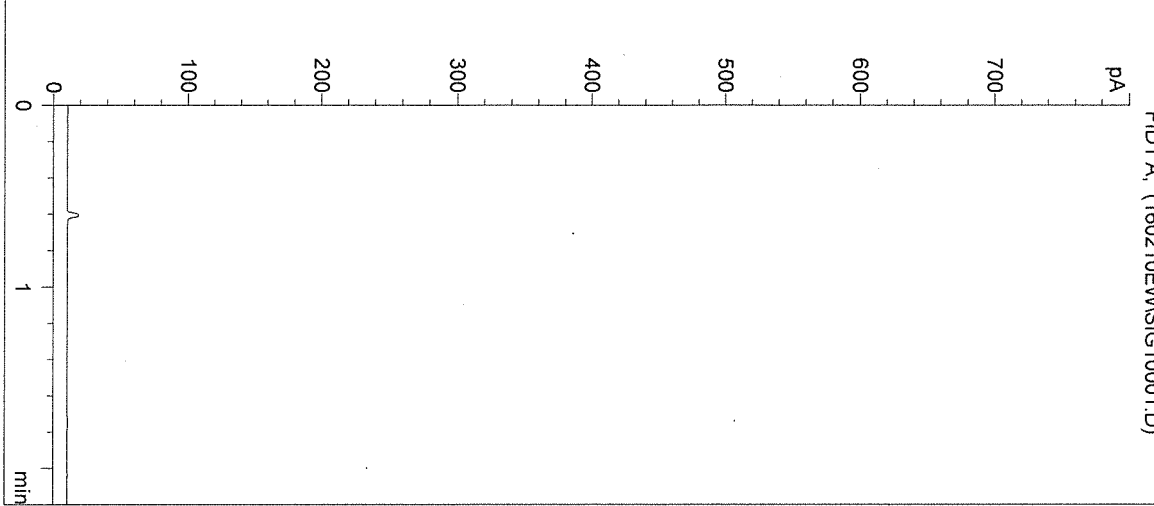
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16002

*In 3/11/16*

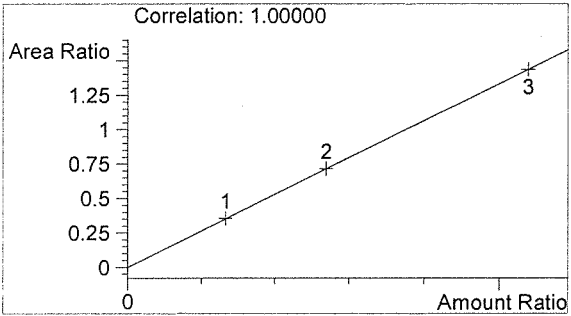
*EW*

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Inj. Date: 2/10/2016 10:08:21 AM      Sample Name: BLANK  
Instrument: HSGC#3      Operator: Elizabeth Wehner  
Column: DB-ALC2      Location: Vial 1  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 16002

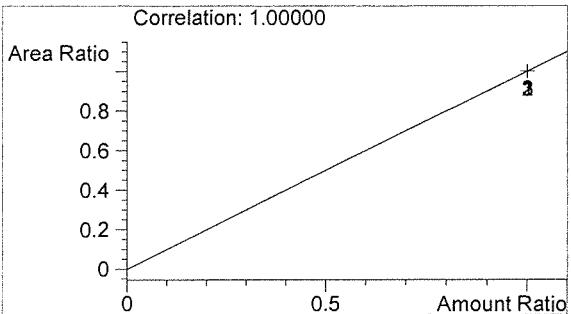


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol      0.000 g/100mL

*P*  
*2/27/16*

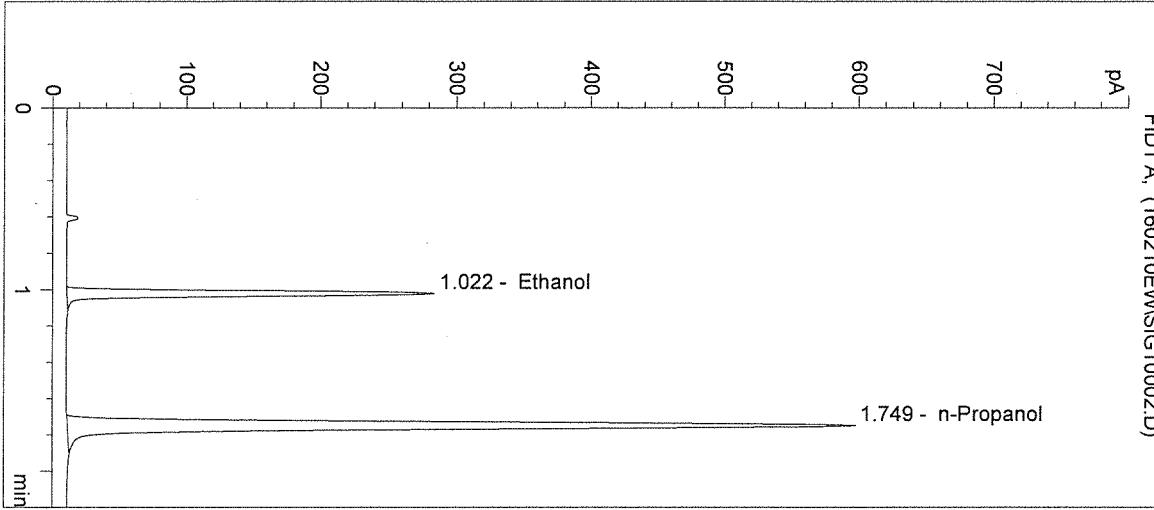


n-Propanol      0.000 g/100mL

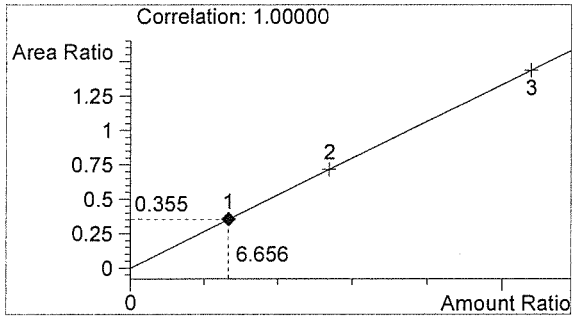
*EW*

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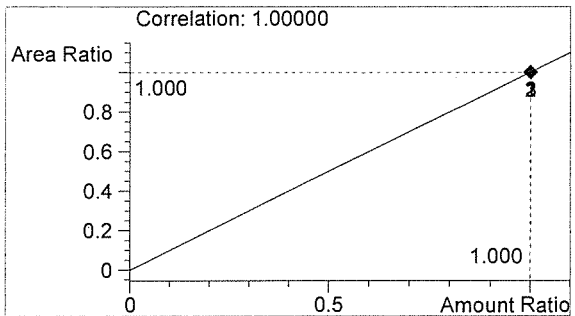
Inj. Date: 2/10/2016 10:11:40 AM      Sample Name: CAL 1 (0.079)  
Instrument: HSGC#3      Operator: Elizabeth Wehner  
Column: DB-ALC2      Location: Vial 2  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: CAL 1: 0.079 g/100mL  
16002



#	Compound	Peak Area	RT (min)
1	Ethanol	564	1.022
2	n-Propanol	1587	1.749



Ethanol      0.080 g/100mL



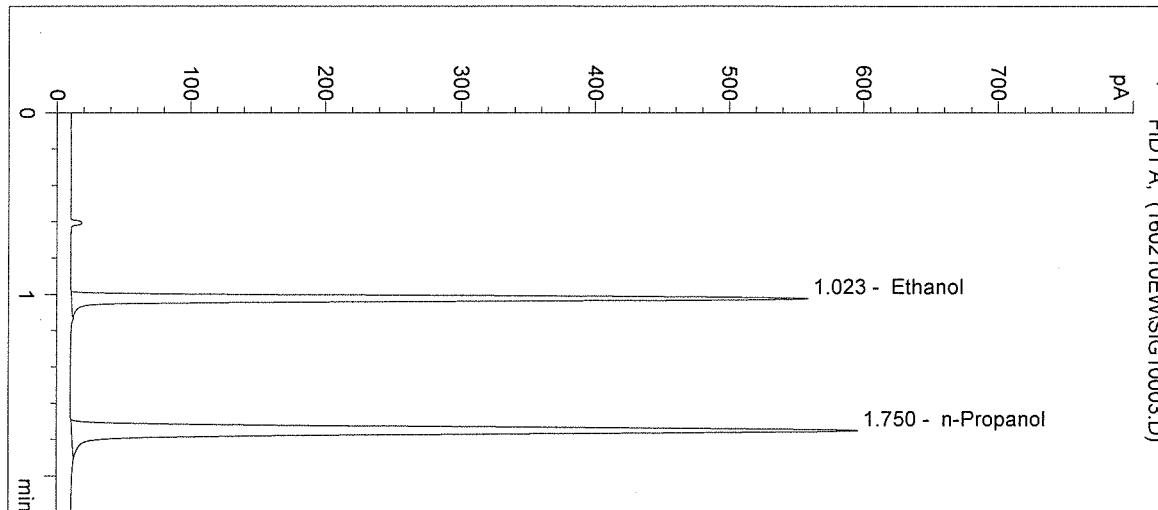
n-Propanol      0.012 g/100mL

*EW*

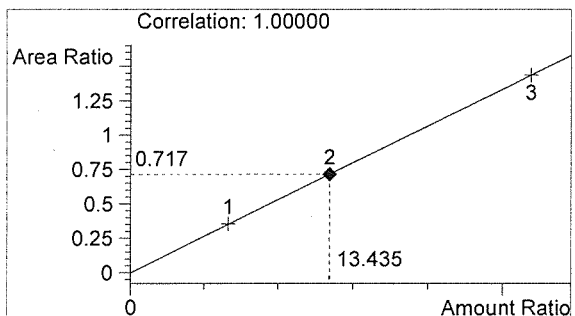
*EW*

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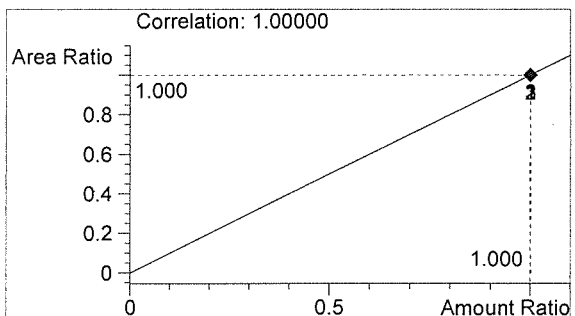
Inj. Date: 2/10/2016 10:14:57 AM      Sample Name: CAL 2 (0.158)  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 3  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CAL 2: 0.158 g/100mL  
 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	1136	1.023
2	n-Propanol	1585	1.750



Ethanol      0.161 g/100mL



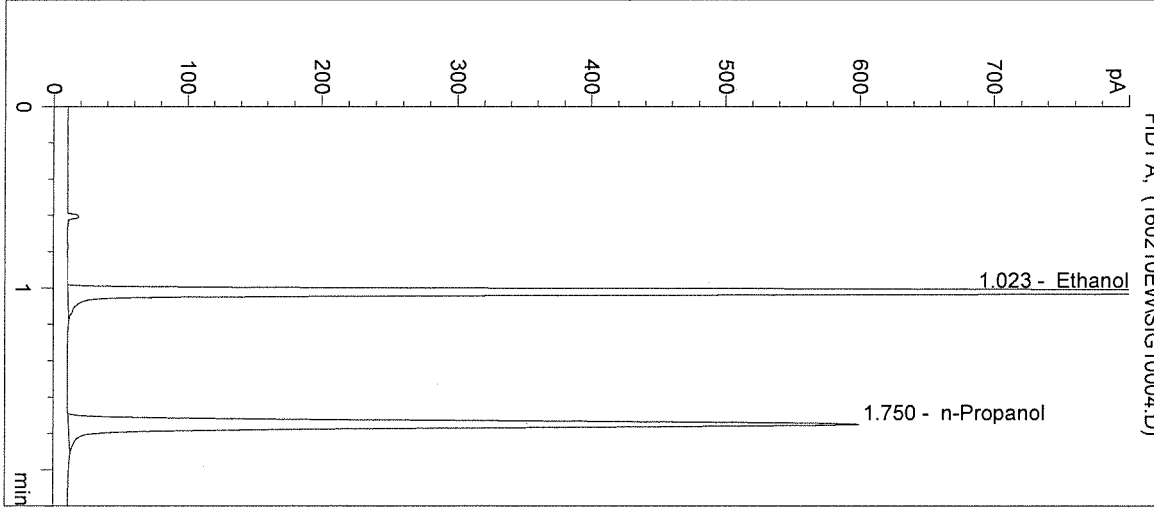
n-Propanol      0.012 g/100mL

*Handwritten signature/initials*

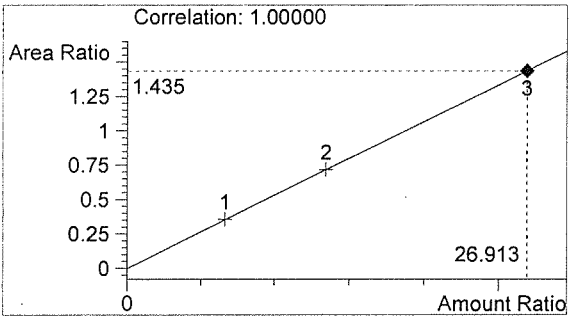
*EW*

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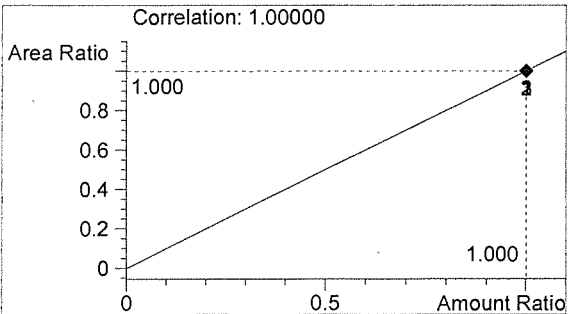
Inj. Date: 2/10/2016 10:18:14 AM      Sample Name: CAL 3 (0.316)  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 4  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CAL 3: 0.316 g/100mL  
 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	2287	1.023
2	n-Propanol	1593	1.750



Ethanol      0.323 g/100mL



n-Propanol      0.012 g/100mL

*EW*

*EW*



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Inj. Date: 2/10/2016 10:21:27 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

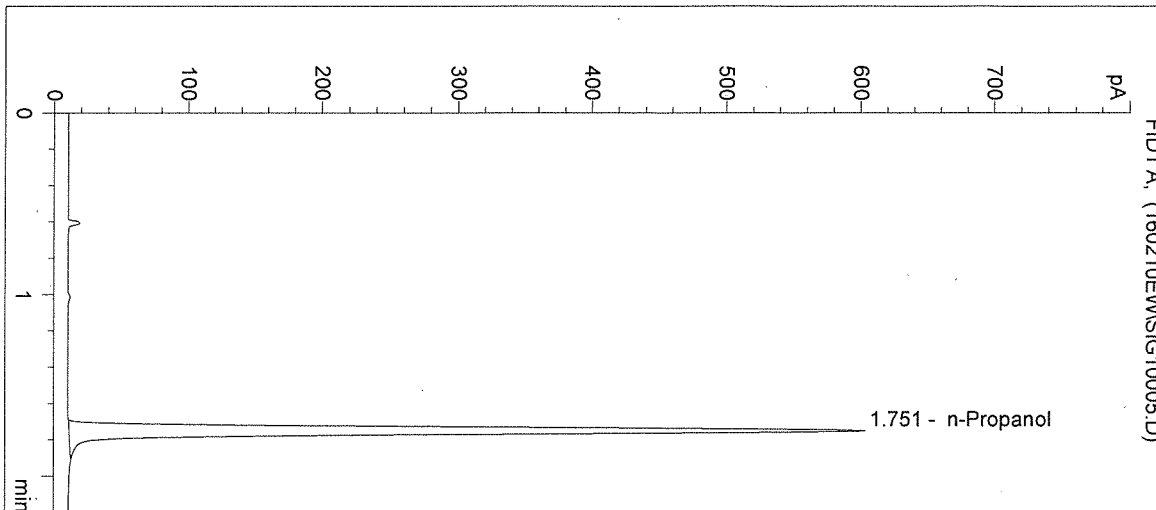
Operator: Elizabeth Wehner

Column: DB-ALC2

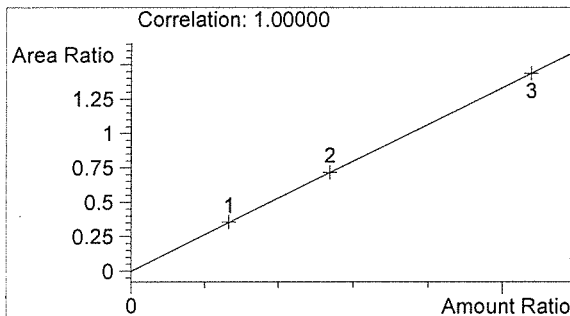
Location: Vial 5

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

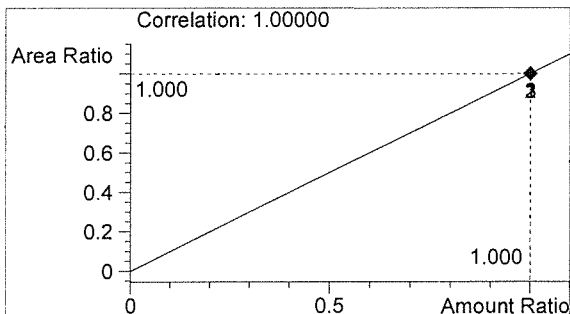
Sample Info: 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1606	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

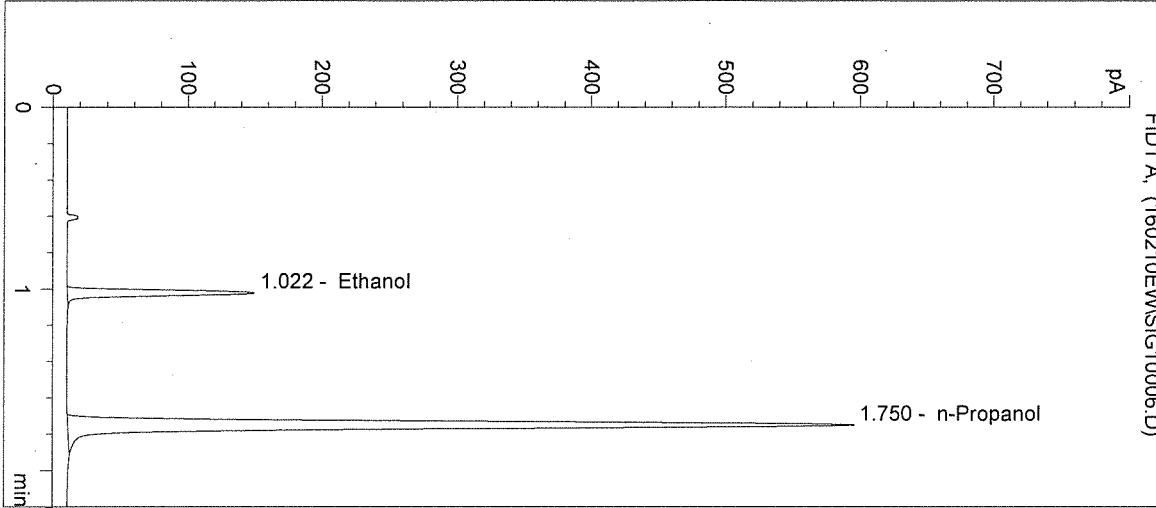
*EW*

*EW*

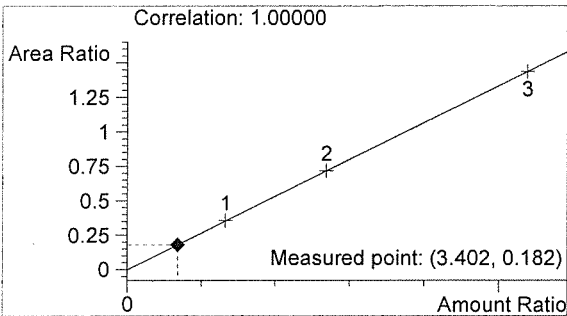
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/10/2016 10:24:40 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 1: 0.04 g/100mL  
 16002

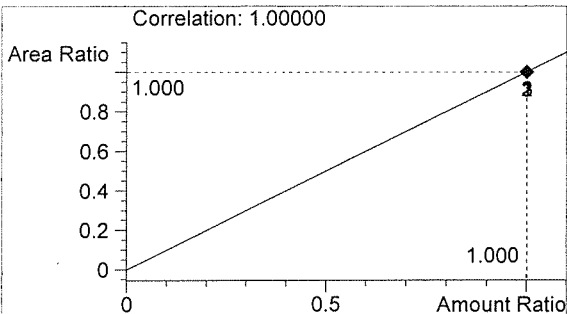
Sample Name: CTRL 1 (0.04)  
 Operator: Elizabeth Wehner  
 Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	289	1.022
2	n-Propanol	1589	1.750



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

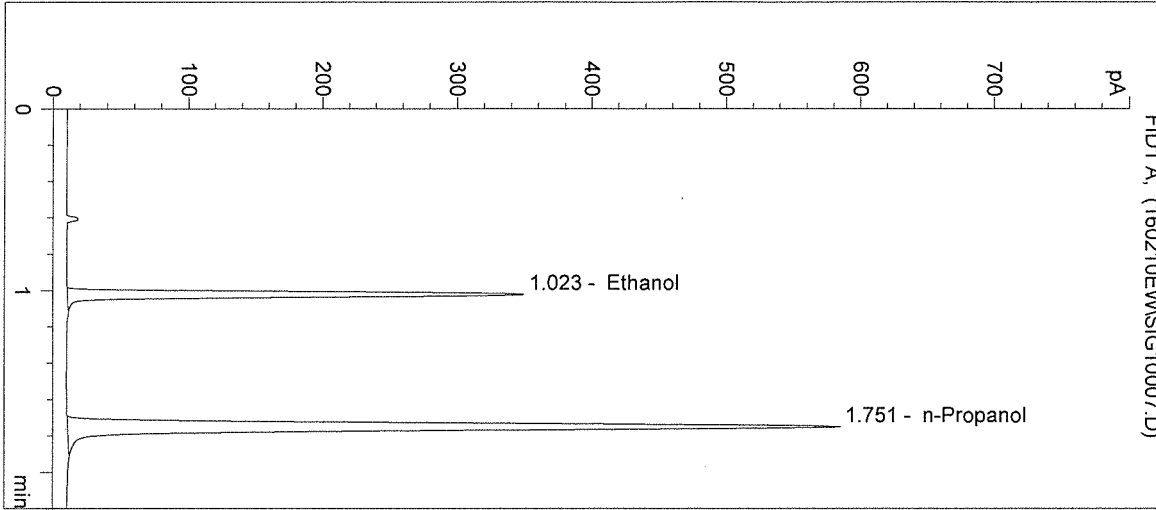
*EW*

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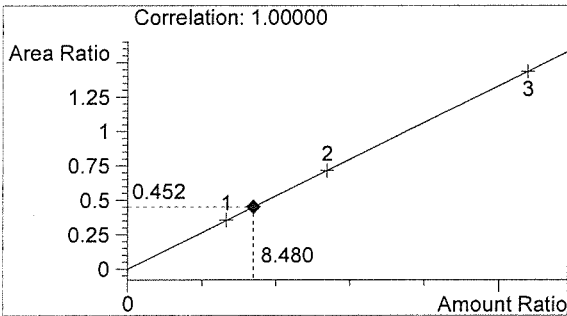
Inj. Date: 2/10/2016 10:27:54 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 2: 0.10 g/100mL  
 16002

Sample Name: CTRL 2 (0.10)  
 Operator: Elizabeth Wehner  
 Location: Vial 7

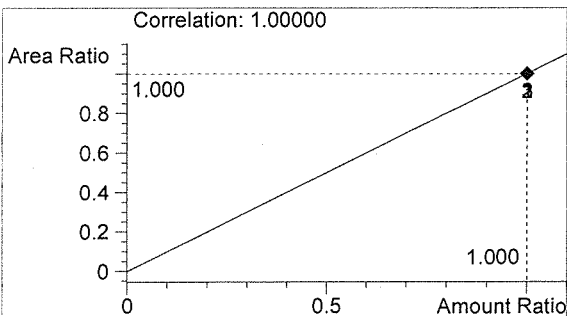
->



#	Compound	Peak Area	RT (min)
1	Ethanol	704	1.023
2	n-Propanol	1556	1.751



Ethanol 0.102 g/100mL



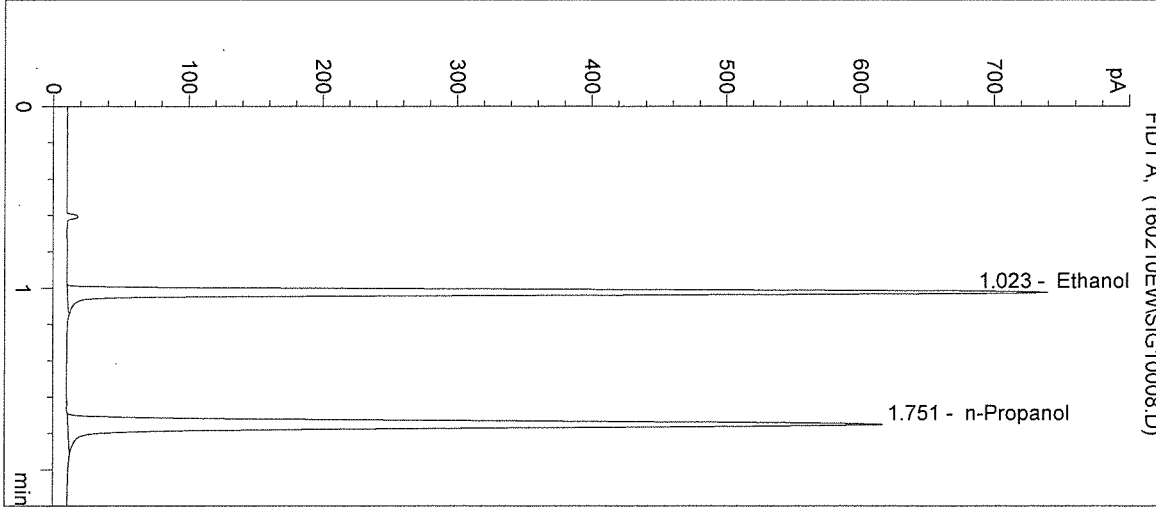
n-Propanol 0.012 g/100mL

*EW*

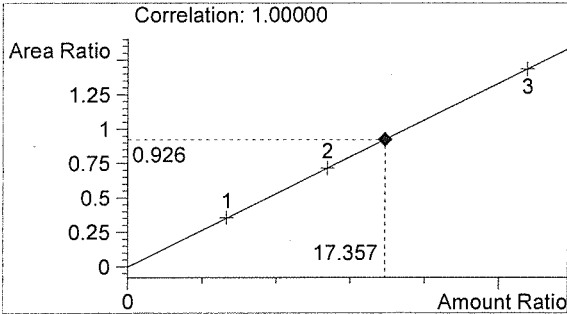
*EW*

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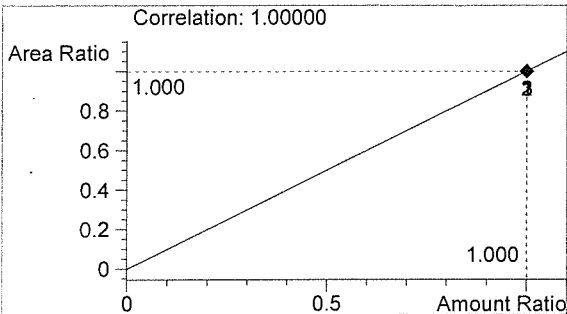
Inj. Date: 2/10/2016 10:31:07 AM      Sample Name: CTRL 3 (0.20)  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 8  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 3: 0.20 g/100mL  
 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	1517	1.023
2	n-Propanol	1638	1.751



Ethanol      0.208 g/100mL



n-Propanol      0.012 g/100mL

*fr*

*EW*

Inj. Date: 2/10/2016 10:34:21 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

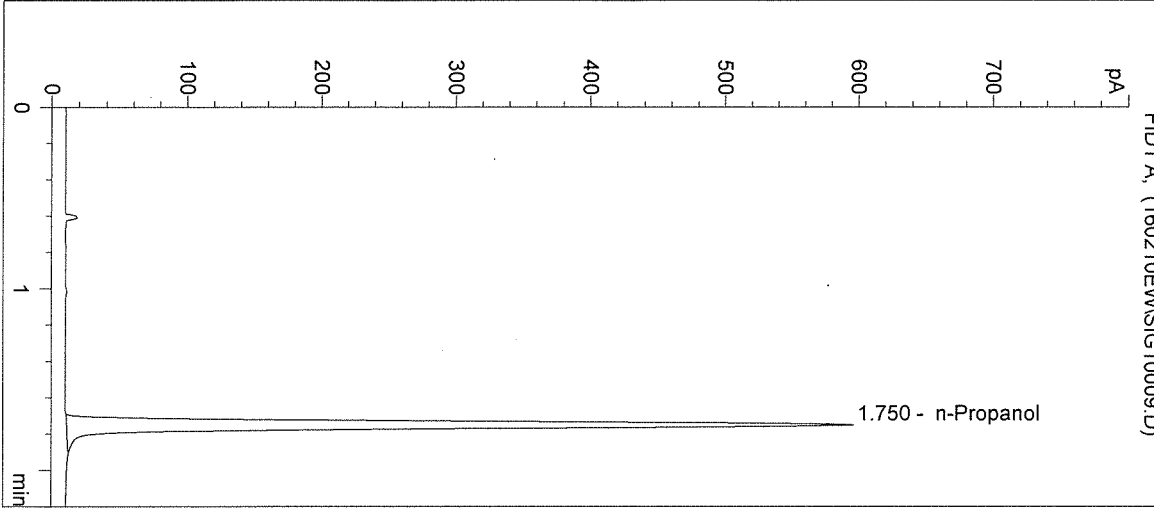
Operator: Elizabeth Wehner

Column: DB-ALC2

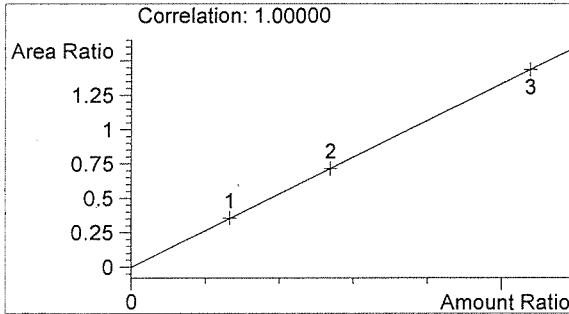
Location: Vial 9

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

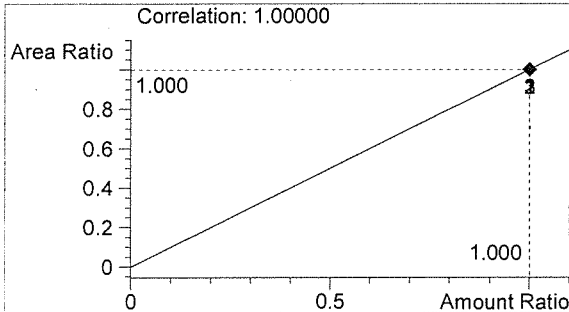
Sample Info: 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1585	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/10/2016 10:37:34 AM

Sample Name: 16002 #1

Instrument: HSGC#3

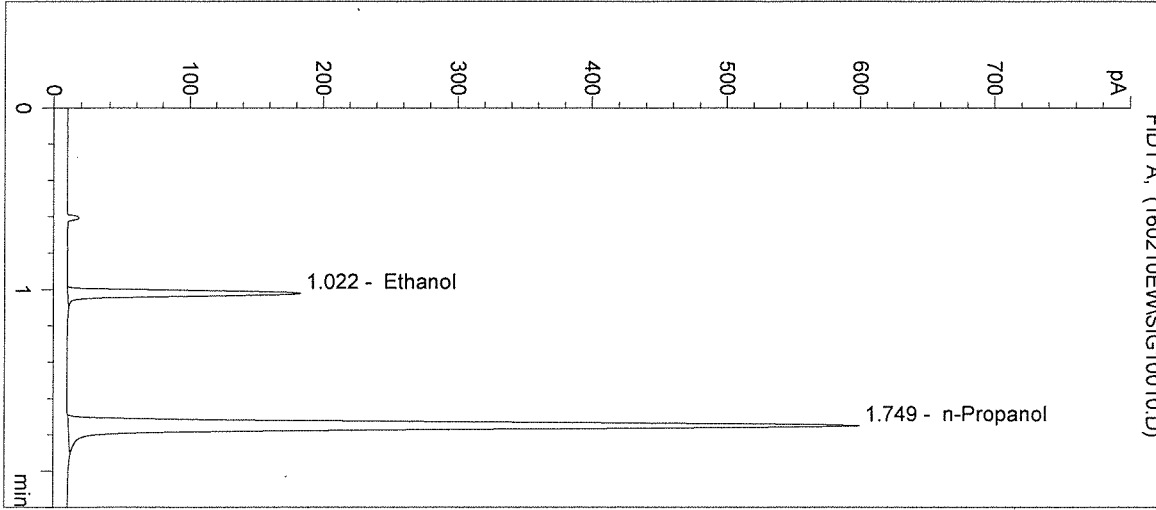
Operator: Elizabeth Wehner

Column: DB-ALC2

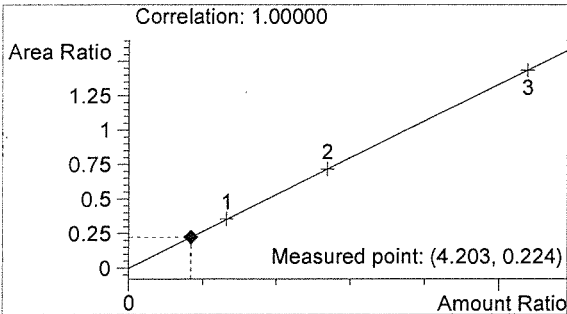
Location: Vial 10

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

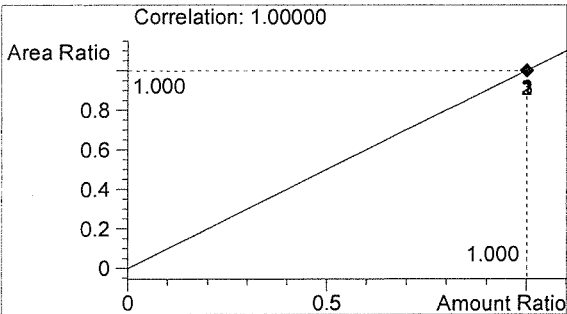
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	359	1.022
2	n-Propanol	1600	1.749



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

Inj. Date: 2/10/2016 10:40:47 AM

Sample Name: 16002 #2

Instrument: HSGC#3

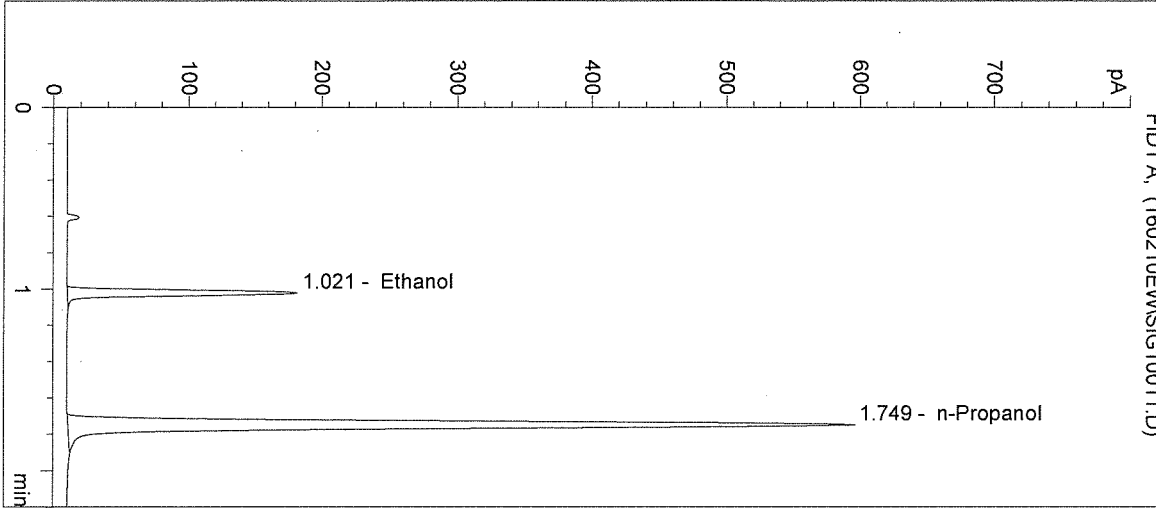
Operator: Elizabeth Wehner

Column: DB-ALC2

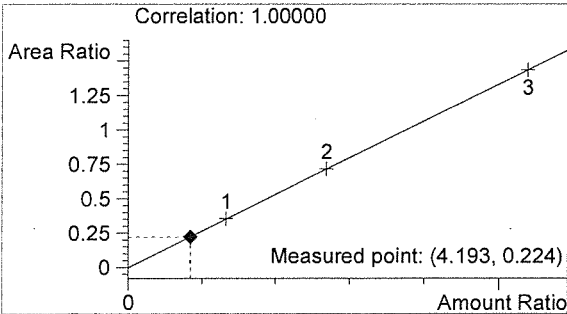
Location: Vial 11

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

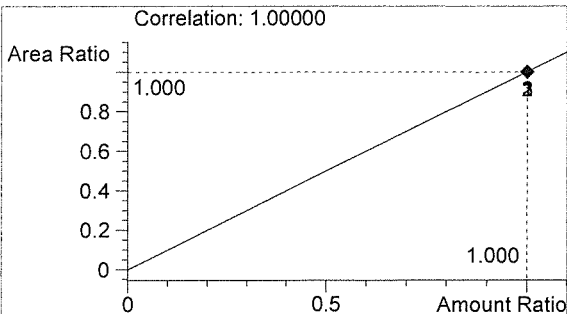
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	356	1.021
2	n-Propanol	1589	1.749



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*of*

*EW*

Inj. Date: 2/10/2016 10:44:01 AM

Sample Name: 16002 #3

Instrument: HSGC#3

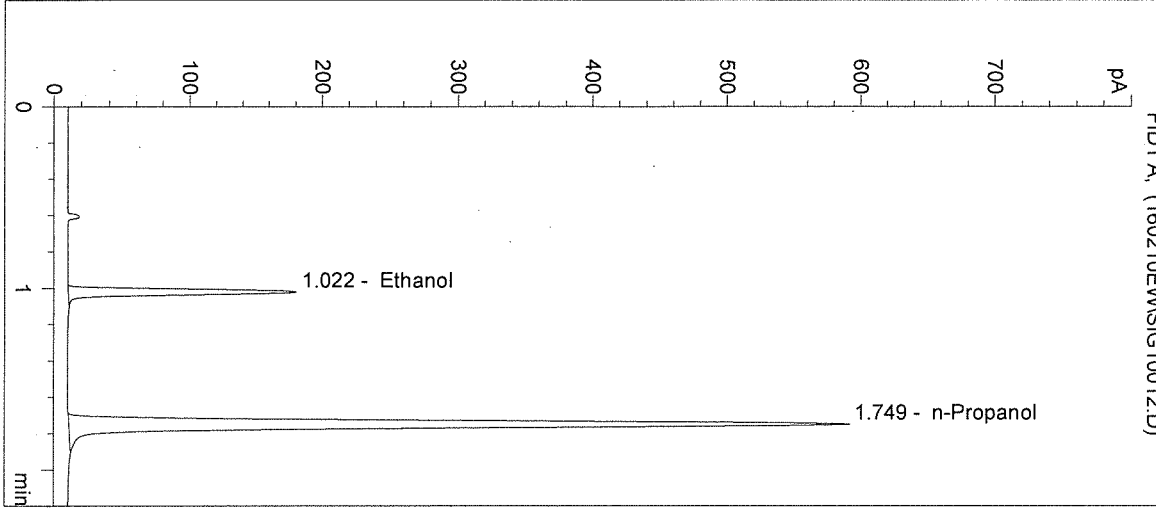
Operator: Elizabeth Wehner

Column: DB-ALC2

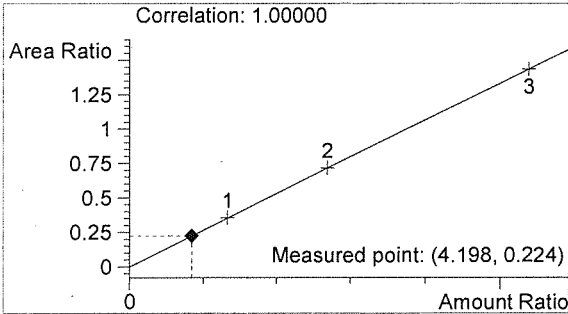
Location: Vial 12

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

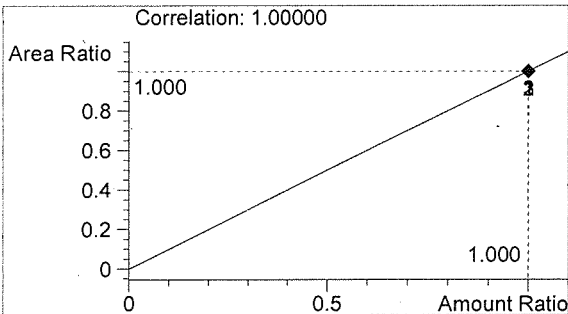
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	354	1.022
2	n-Propanol	1579	1.749



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten signature*



Inj. Date: 2/10/2016 10:47:14 AM

Sample Name: 16002 #4

Instrument: HSGC#3

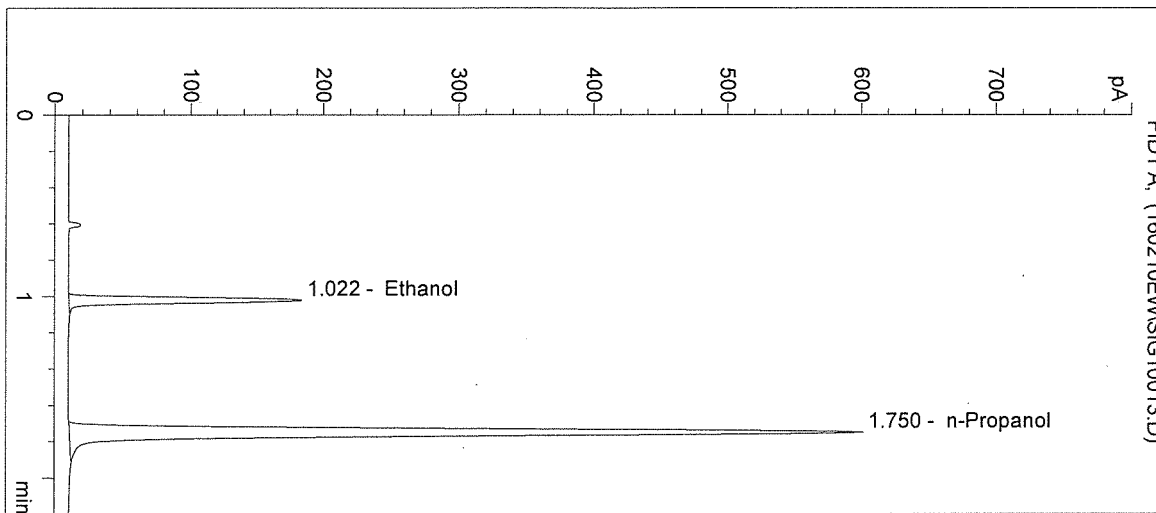
Operator: Elizabeth Wehner

Column: DB-ALC2

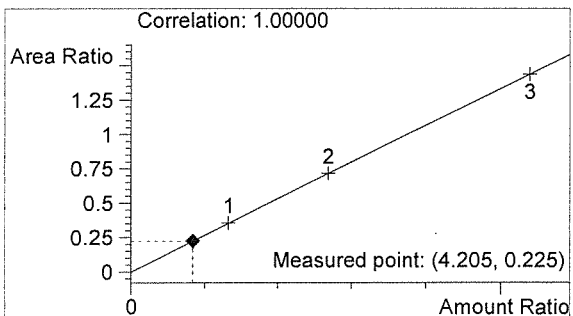
Location: Vial 13

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

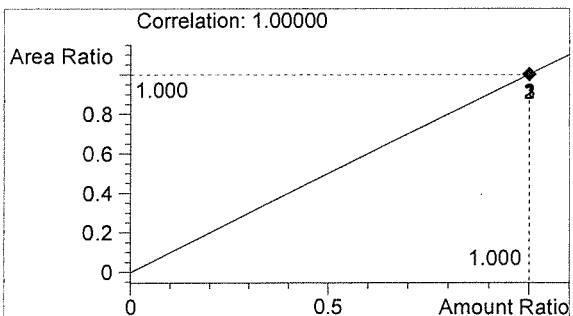
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	361	1.022
2	n-Propanol	1609	1.750



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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Inj. Date: 2/10/2016 10:50:28 AM

Sample Name: 16002 #5

Instrument: HSGC#3

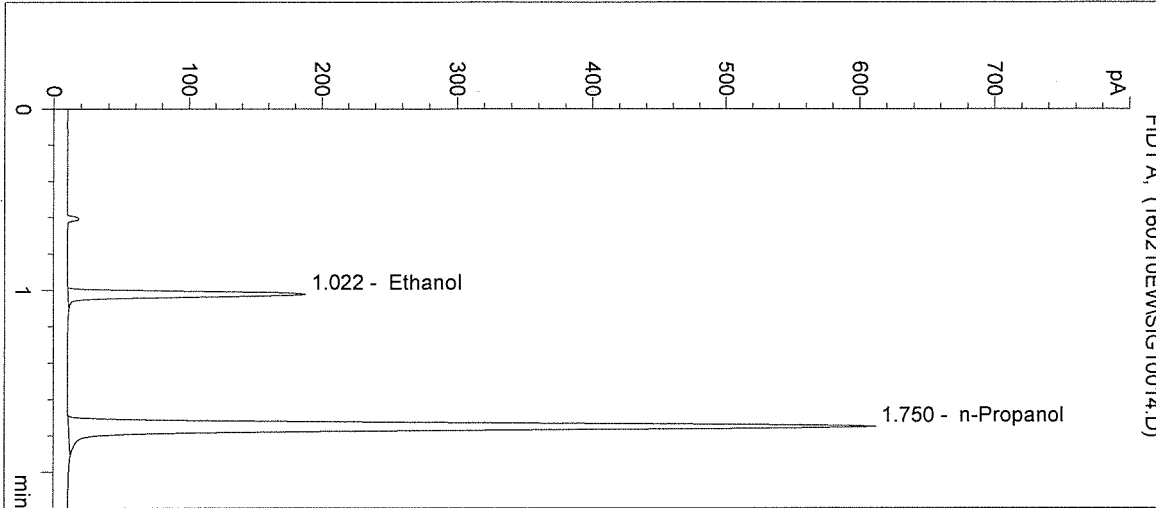
Operator: Elizabeth Wehner

Column: DB-ALC2

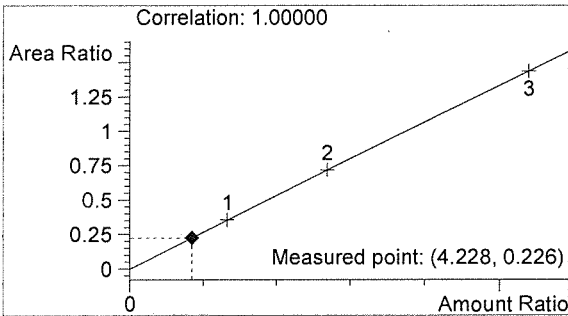
Location: Vial 14

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

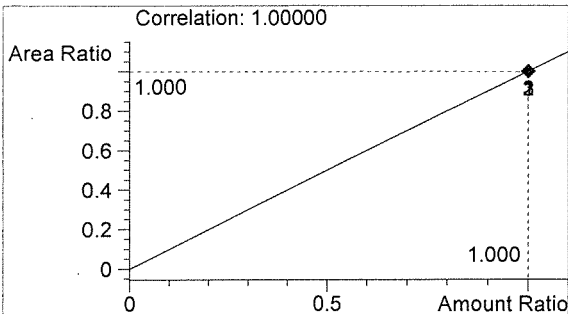
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	369	1.022
2	n-Propanol	1635	1.750



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

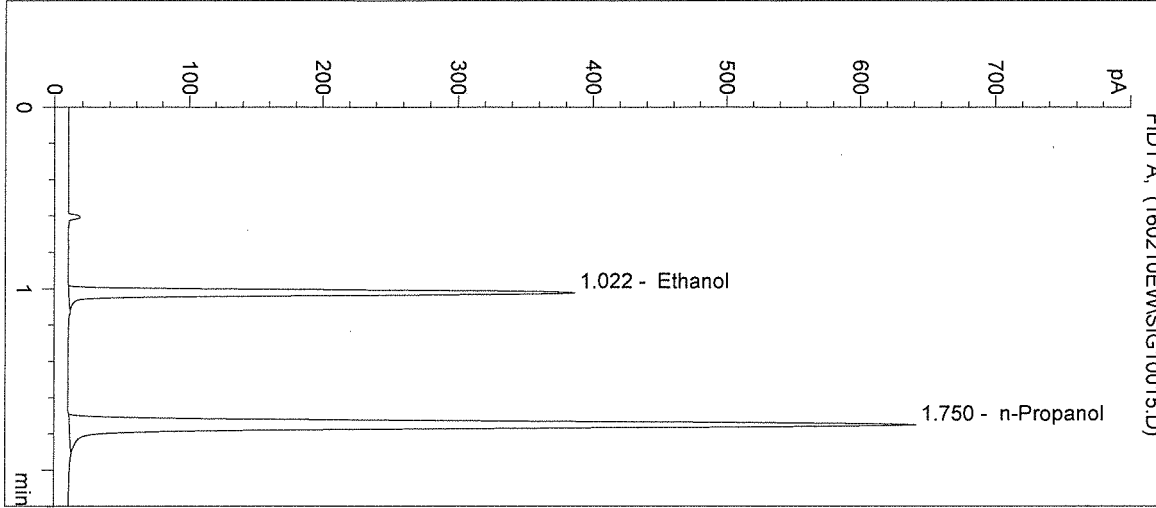
*EW*

*EW*

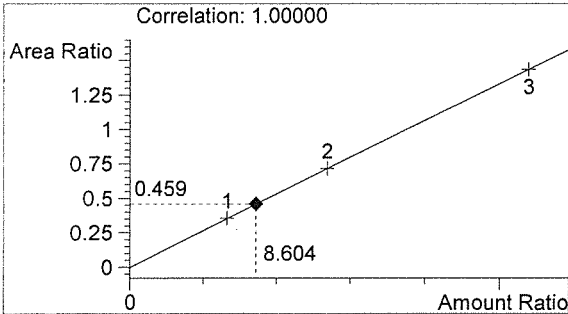
Washington State Patrol Toxicology Laboratory  
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Inj. Date: 2/10/2016 10:53:41 AM      Sample Name: POS CTRL (0.10)  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 15  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 16002

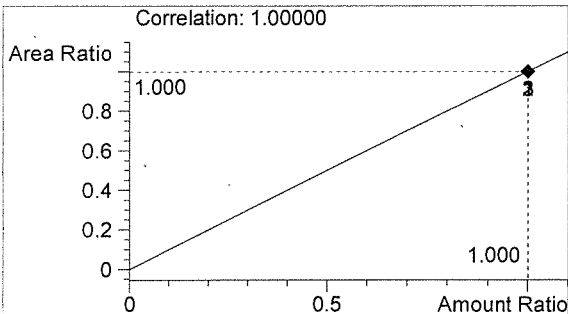
->



#	Compound	Peak Area	RT (min)
1	Ethanol	787	1.022
2	n-Propanol	1715	1.750



Ethanol      0.103 g/100mL



n-Propanol      0.012 g/100mL

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*EW*

Inj. Date: 2/10/2016 10:56:54 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

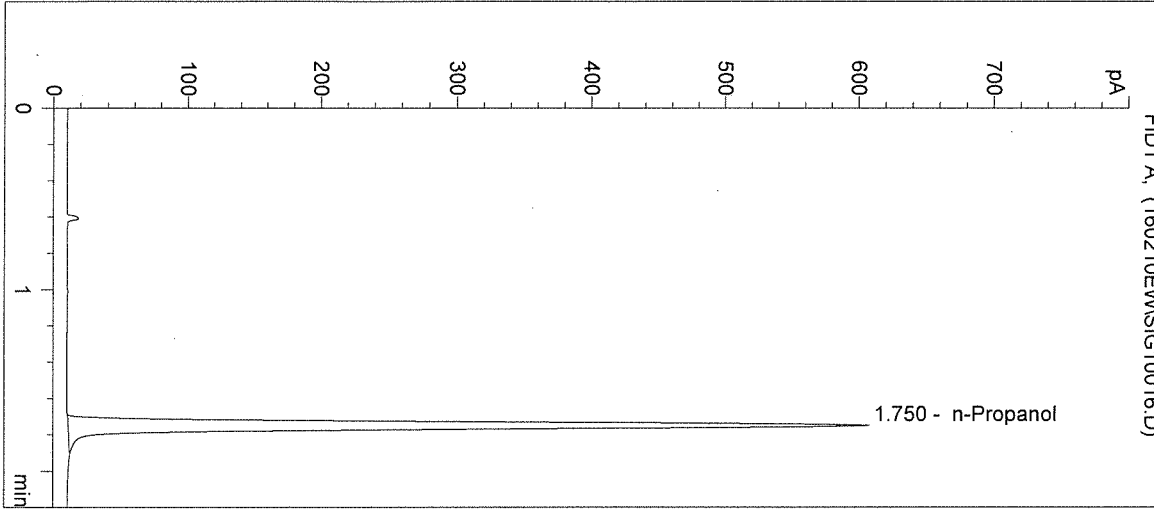
Operator: Elizabeth Wehner

Column: DB-ALC2

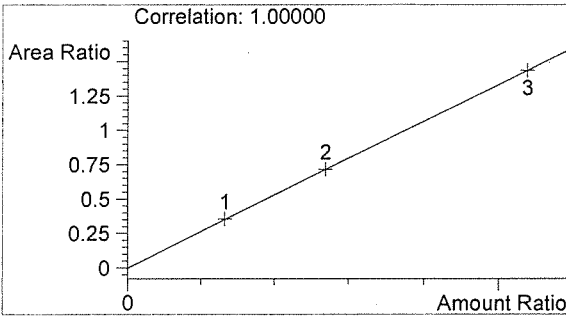
Location: Vial 16

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

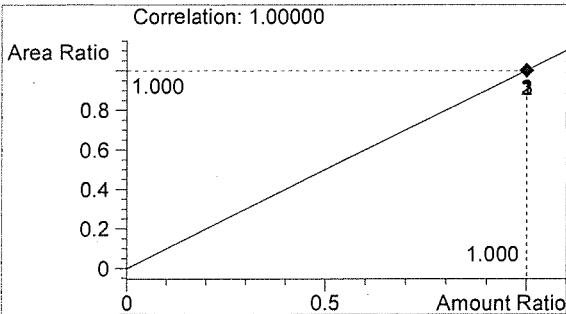
Sample Info: 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1621	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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: 160211JK  
 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#P0216 - Exp. 05/02/2016  
  
 Calibration vials 1-9 filed with 16002.

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	16002-1	SIMALC3	1	Sample		
11	Vial 11	16002-2	SIMALC3	1	Sample		
12	Vial 12	16002-3	SIMALC3	1	Sample		
13	Vial 13	16002-4	SIMALC3	1	Sample		
14	Vial 14	16002-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16003-1	SIMALC3	1	Sample		
18	Vial 18	16003-2	SIMALC3	1	Sample		
19	Vial 19	16003-3	SIMALC3	1	Sample		
20	Vial 20	16003-4	SIMALC3	1	Sample		
21	Vial 21	16003-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16004-1	SIMALC3	1	Sample		
25	Vial 25	16004-2	SIMALC3	1	Sample		

16002

*Justin*

*JK*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
26	Vial 26	16004-3	SIMALC3	1	Sample		
27	Vial 27	16004-4	SIMALC3	1	Sample		
28	Vial 28	16004-5	SIMALC3	1	Sample		
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16005-1	SIMALC3	1	Sample		
32	Vial 32	16005-2	SIMALC3	1	Sample		
33	Vial 33	16005-3	SIMALC3	1	Sample		
34	Vial 34	16005-4	SIMALC3	1	Sample		
35	Vial 35	16005-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

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		
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16002  
Jm 3/7/16

JK

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

Calib. Data Modified : Thursday, February 11, 2016 4:18:58 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	574.06464	1.38765e-4	1 Ethanol
	2	1.61370e-1	1159.54626	1.39167e-4	
	3	3.22930e-1	2304.77783	1.40113e-4	
1.749	1 1	1.20000e-2	1607.76501	7.46378e-6	I1 n-Propanol
	2	1.20000e-2	1610.94116	7.44906e-6	
	3	1.20000e-2	1596.29456	7.51741e-6	

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

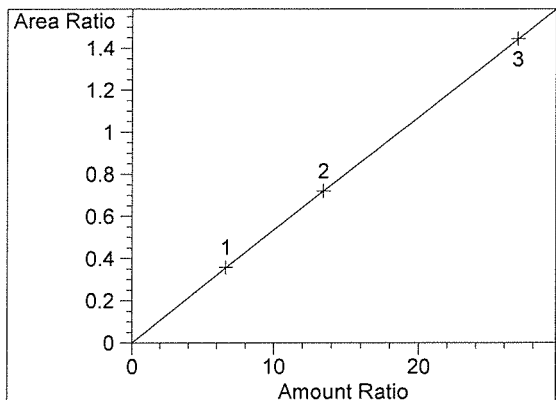
\*\*\*No Entries in table\*\*\*  
=====

16002

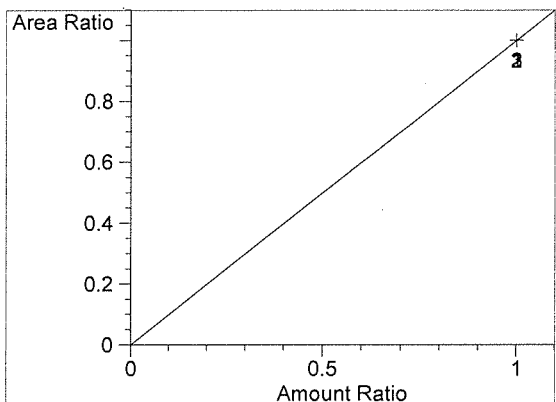
L317116

JK

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



Ethanol at exp. RT: 1.023  
FID1 A,  
Correlation: 1.00000  
Residual Std. Dev.: 0.00130  
Formula:  $y = mx + b$   
m: 5.36336e-2  
b: 2.05280e-5  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.749  
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

16002

JN 3/7/16



Inj. Date: 2/11/2016 4:06:53 PM

Sample Name: BLANK

Instrument: HSGC#3

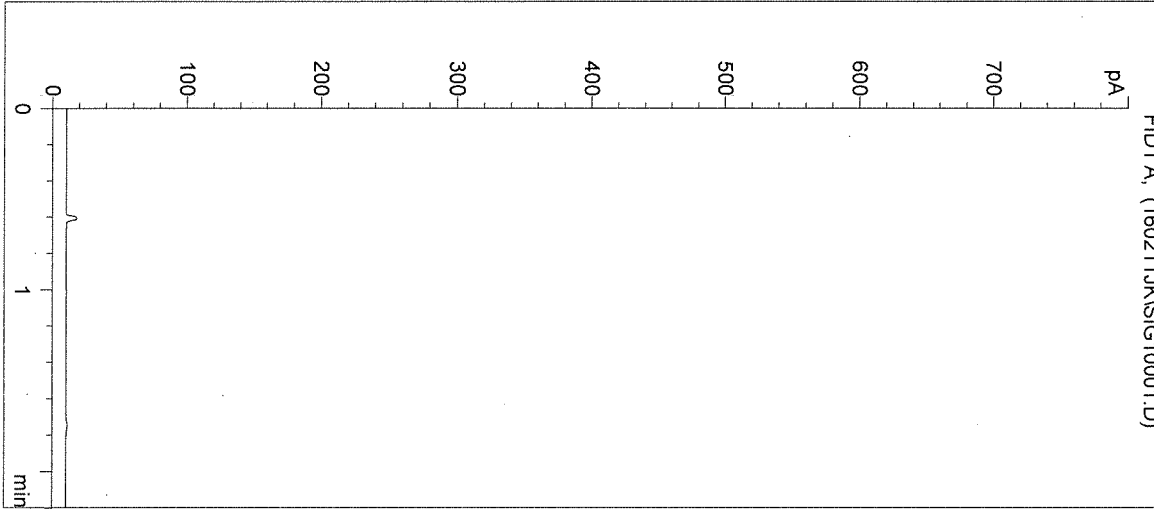
Operator: Justin Knoy

Column: DB-ALC2

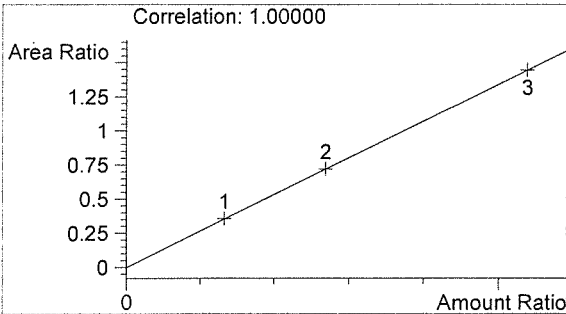
Location: Vial 1

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

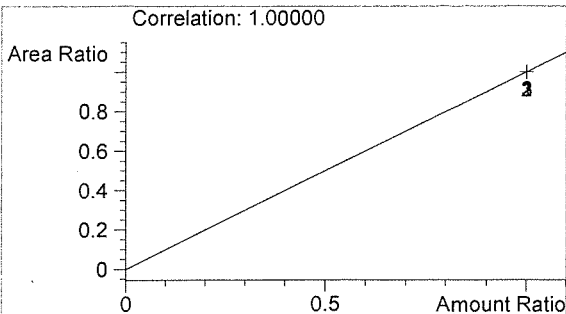
Sample Info:



#	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

16002  
Jr 3/7/16

JR

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

Inj. Date: 2/11/2016 4:10:11 PM

Sample Name: CAL1 0.079

Instrument: HSGC#3

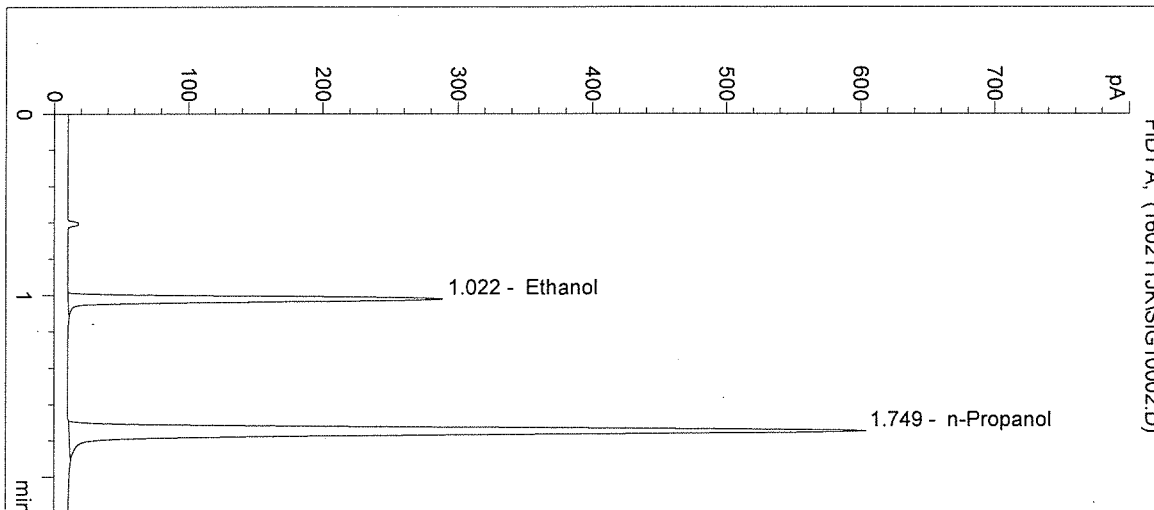
Operator: Justin Knoy

Column: DB-ALC2

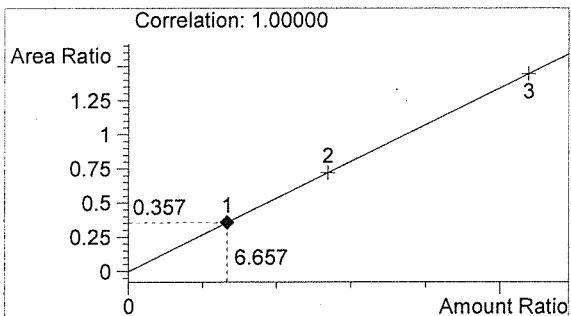
Location: Vial 2

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

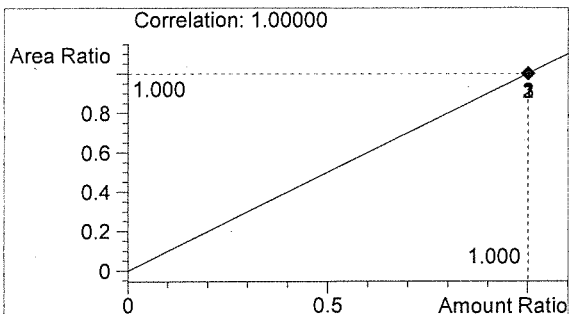
Sample Info: E1015-01 - (0.079g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	574	1.022
2	n-Propanol	1608	1.749



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

16002

*JK 2/16*

*JK*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/11/2016 4:13:29 PM

Sample Name: CAL2 0.158

Instrument: HSGC#3

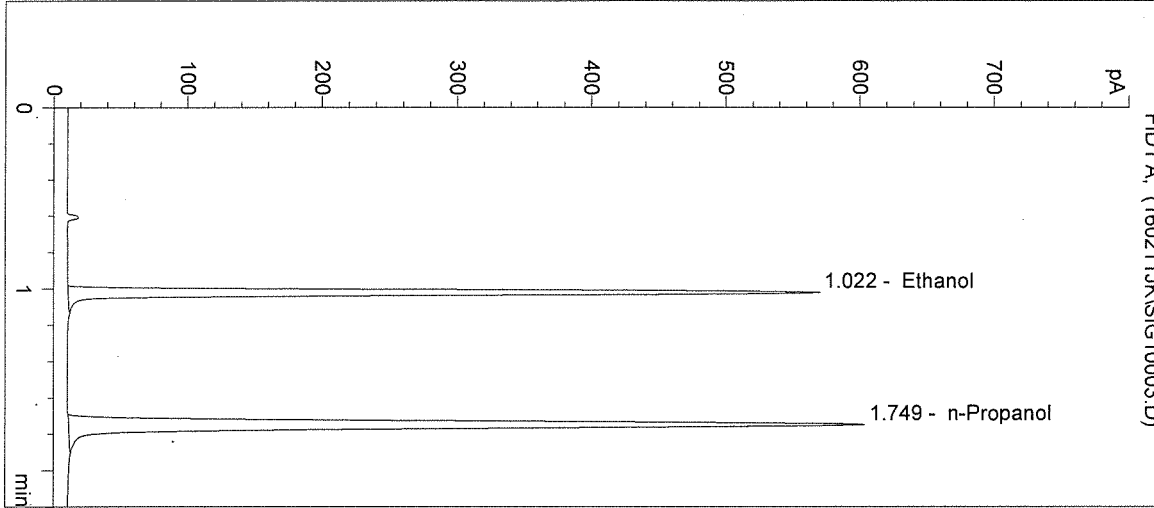
Operator: Justin Knoy

Column: DB-ALC2

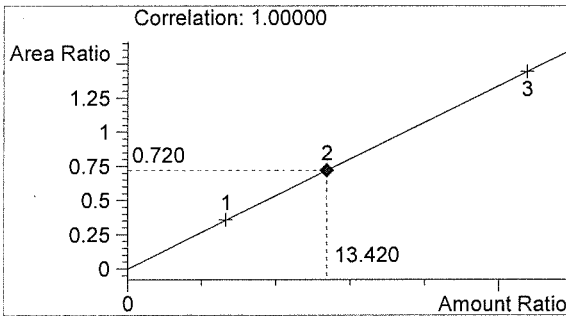
Location: Vial 3

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

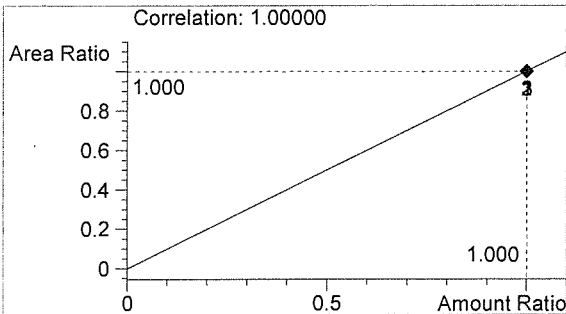
Sample Info: E1015-02 - (0.158g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	1160	1.022
2	n-Propanol	1611	1.749



Ethanol 0.161 g/100mL



n-Propanol 0.012 g/100mL

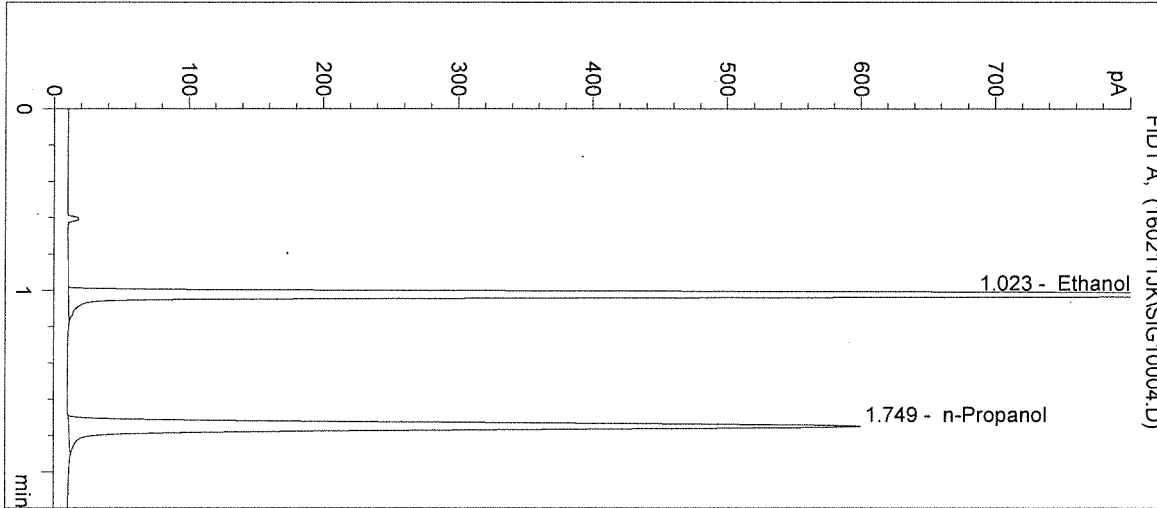
16002

*Jr* 3/7/16

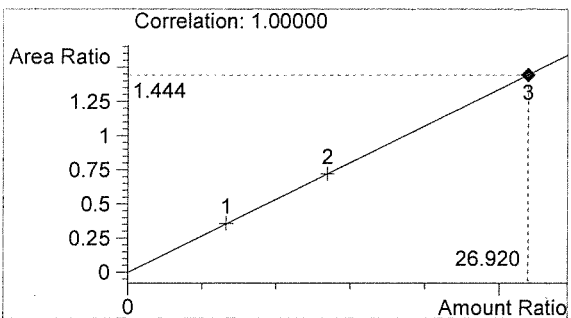
*Jr*

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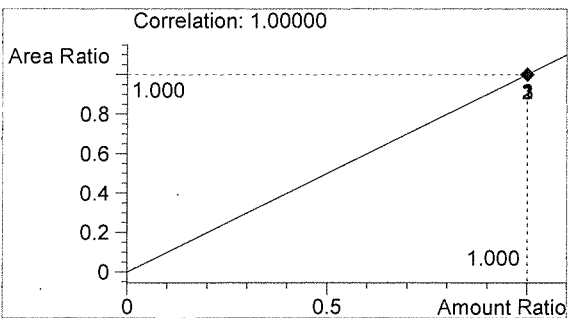
Inj. Date: 2/11/2016 4:16:46 PM      Sample Name: CAL3 0.316  
 Instrument: HSGC#3      Operator: Justin Knoy  
 Column: DB-ALC2      Location: Vial 4  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: E1015-03 - (0.316g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	2305	1.023
2	n-Propanol	1596	1.749



Ethanol      0.323 g/100mL



n-Propanol      0.012 g/100mL

16002  
*for* 3/7/16

*JR*

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Inj. Date: 2/11/2016 4:19:59 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

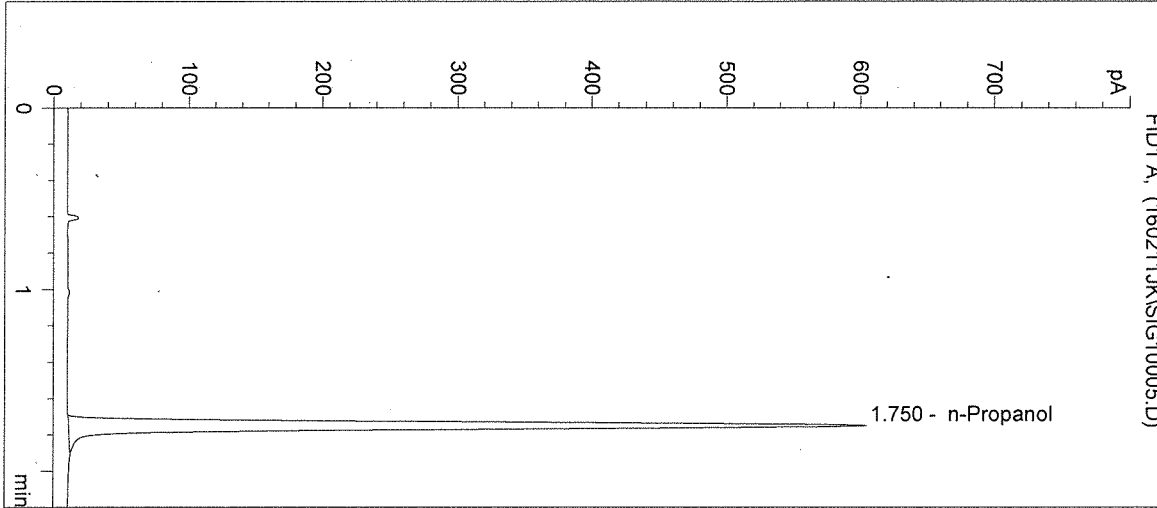
Operator: Justin Knoy

Column: DB-ALC2

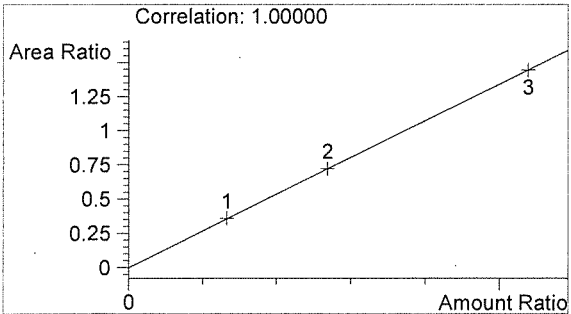
Location: Vial 5

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

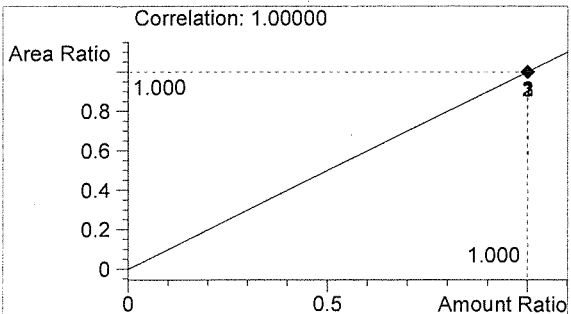
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1606	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

16002  
 JN 3/7/16

JN

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Inj. Date: 2/11/2016 4:23:13 PM

Sample Name: CTRL1 (0.04)

Instrument: HSGC#3

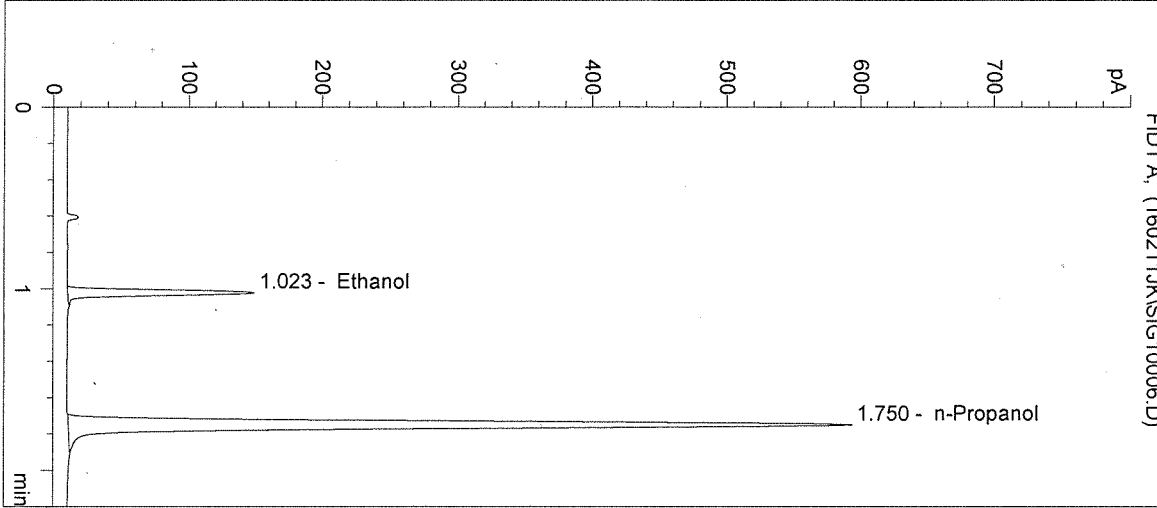
Operator: Justin Knoy

Column: DB-ALC2

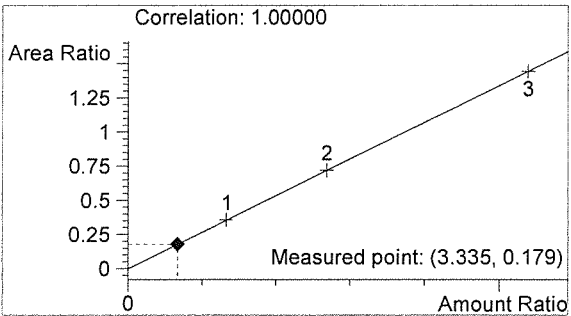
Location: Vial 6

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

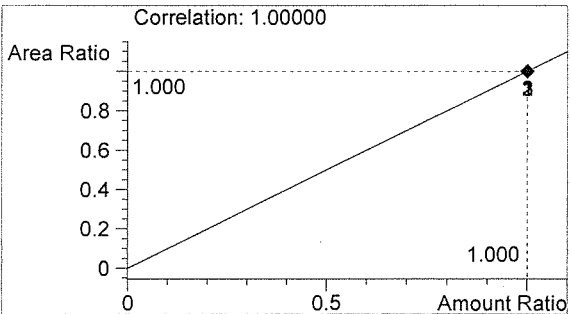
Sample Info: 0.04g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	283	1.023
2	n-Propanol	1580	1.750



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

16002

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*JK*

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Inj. Date: 2/11/2016 4:26:26 PM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

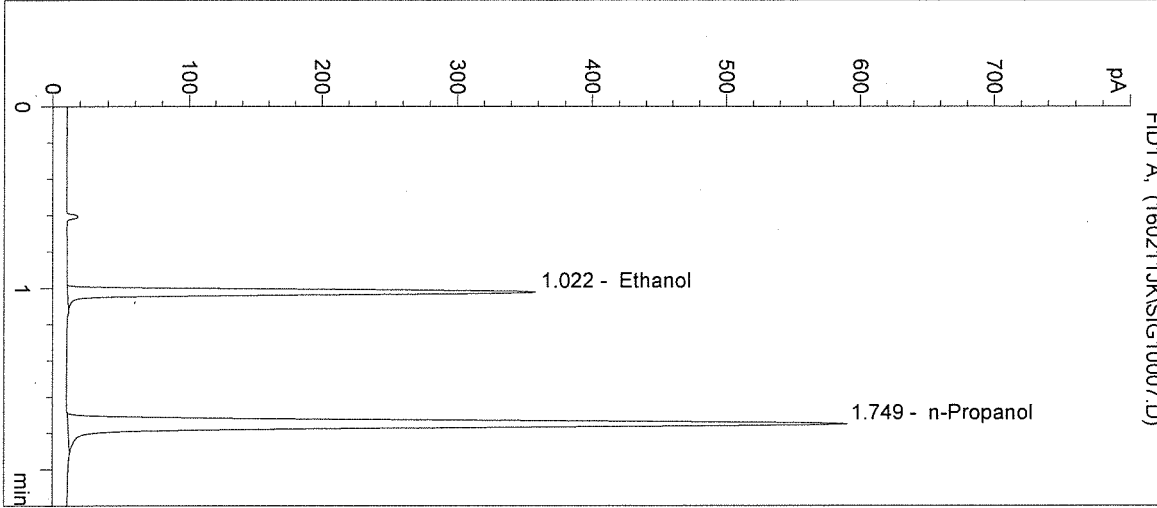
Operator: Justin Knoy

Column: DB-ALC2

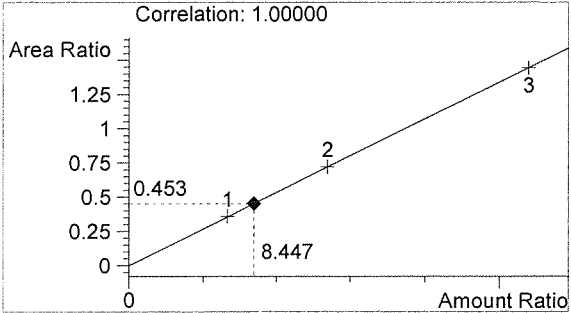
Location: Vial 7

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

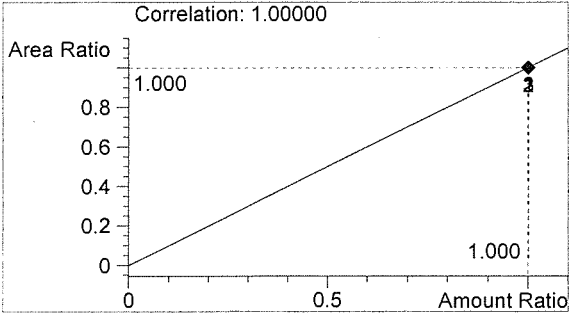
Sample Info: 0.10g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	709	1.022
2	n-Propanol	1566	1.749



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

16002

*Justin Knoy*

*TK*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/11/2016 4:29:40 PM

Sample Name: CTRL3 (0.20)

Instrument: HSGC#3

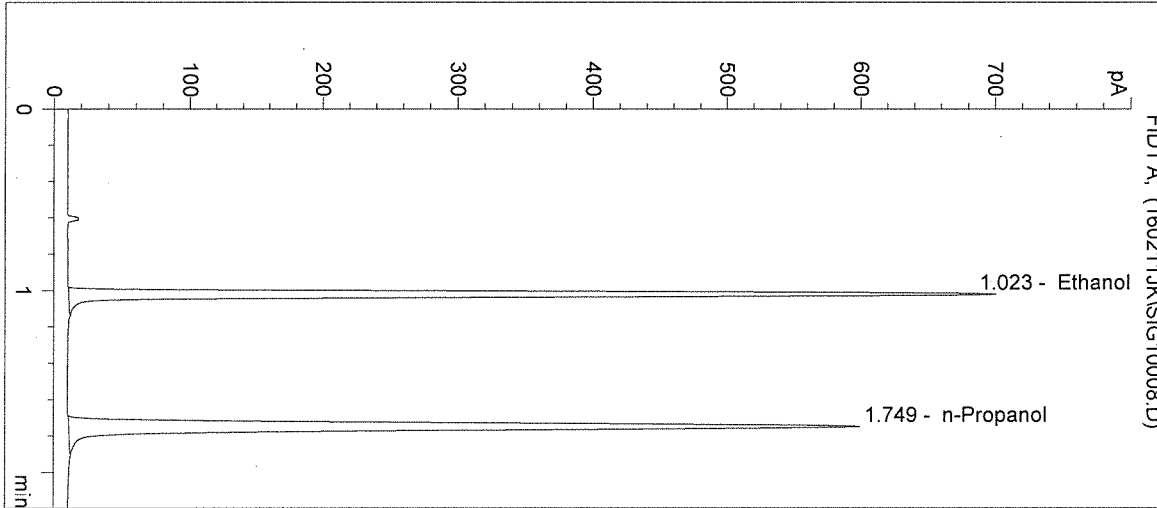
Operator: Justin Knoy

Column: DB-ALC2

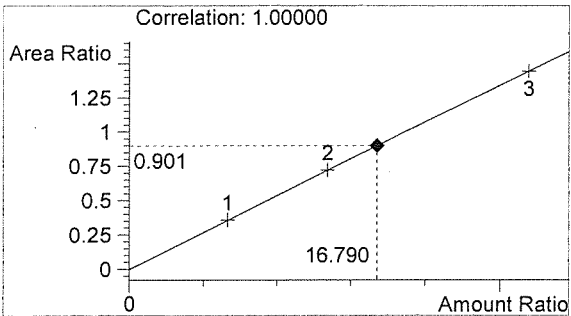
Location: Vial 8

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

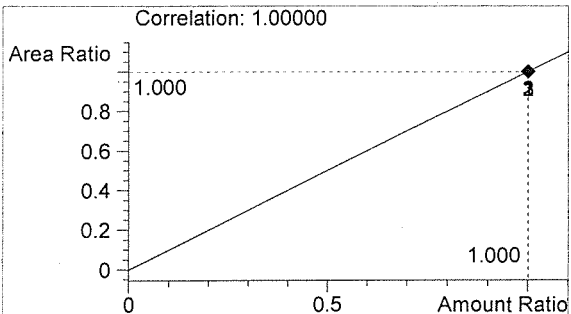
Sample Info: 0.20g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	1437	1.023
2	n-Propanol	1595	1.749



Ethanol 0.201 g/100mL



n-Propanol 0.012 g/100mL

16002

*Jn 3/17/16*

*JK*



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Inj. Date: 2/11/2016 4:32:53 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

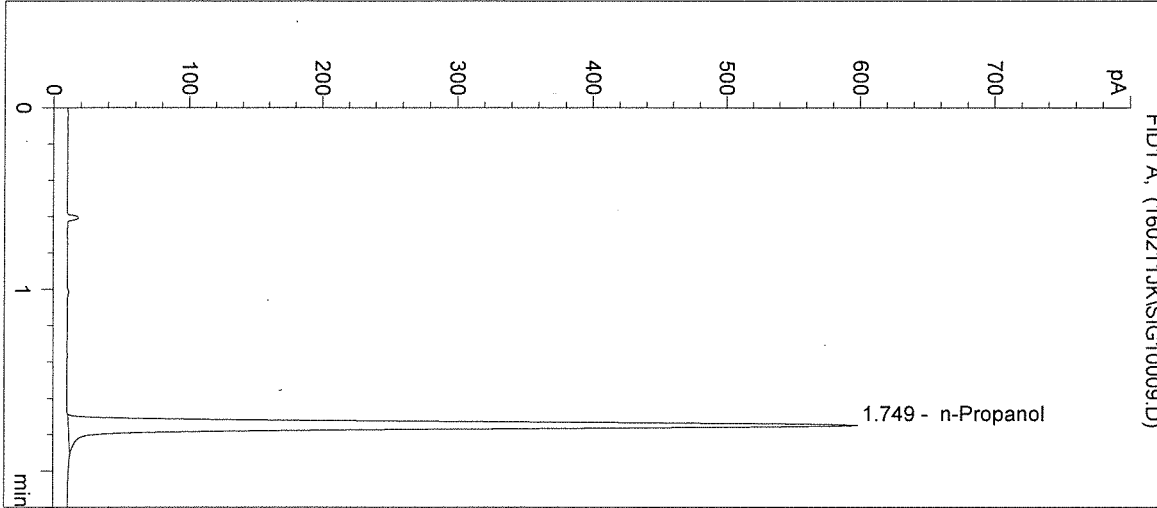
Operator: Justin Knoy

Column: DB-ALC2

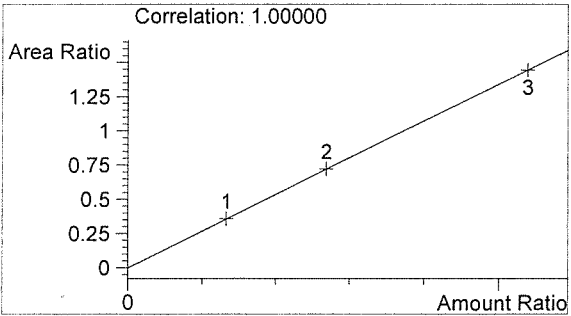
Location: Vial 9

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

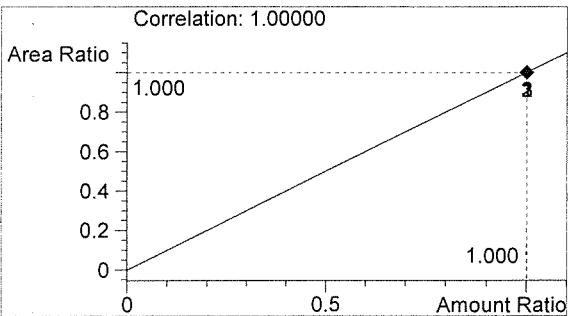
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1591	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

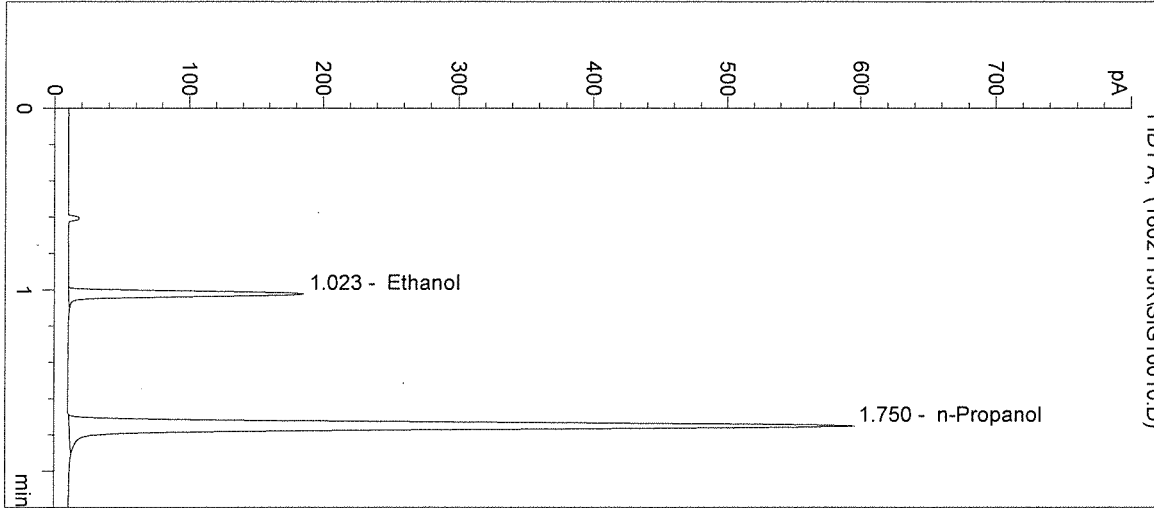
16002

*Jn 3/17/16*

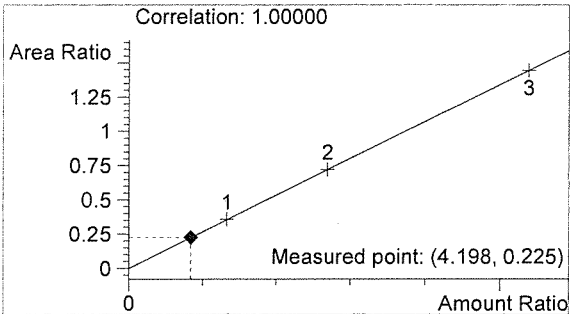
*JK*

Inj. Date: 2/11/2016 4:36:06 PM      Sample Name: 16002-1  
 Instrument: HSGC#3      Operator: Justin Knoy  
 Column: DB-ALC2      Location: Vial 10  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

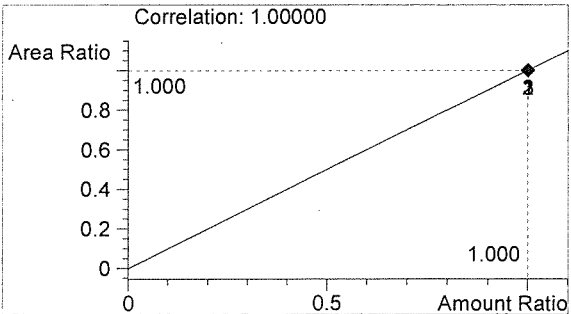
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	356	1.023
2	n-Propanol	1581	1.750



Ethanol      0.050 g/100mL



n-Propanol      0.012 g/100mL

*Justin Knoy*

*JK*

Inj. Date: 2/11/2016 4:39:20 PM

Sample Name: 16002-2

Instrument: HSGC#3

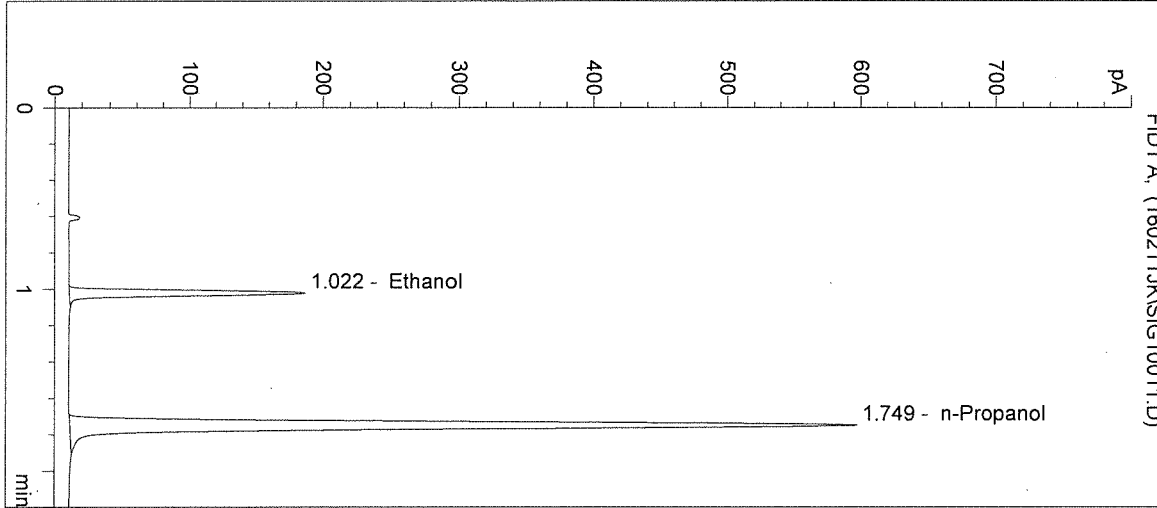
Operator: Justin Knoy

Column: DB-ALC2

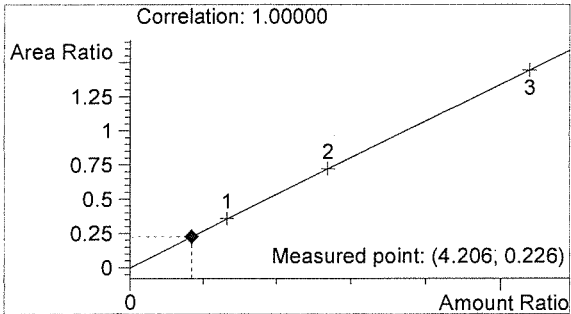
Location: Vial 11

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

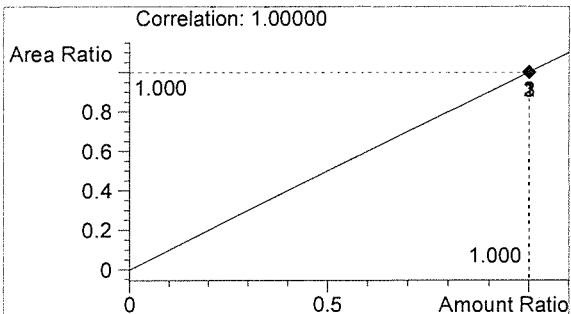
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	359	1.022
2	n-Propanol	1590	1.749



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Inj. Date: 2/11/2016 4:42:33 PM

Sample Name: 16002-3

Instrument: HSGC#3

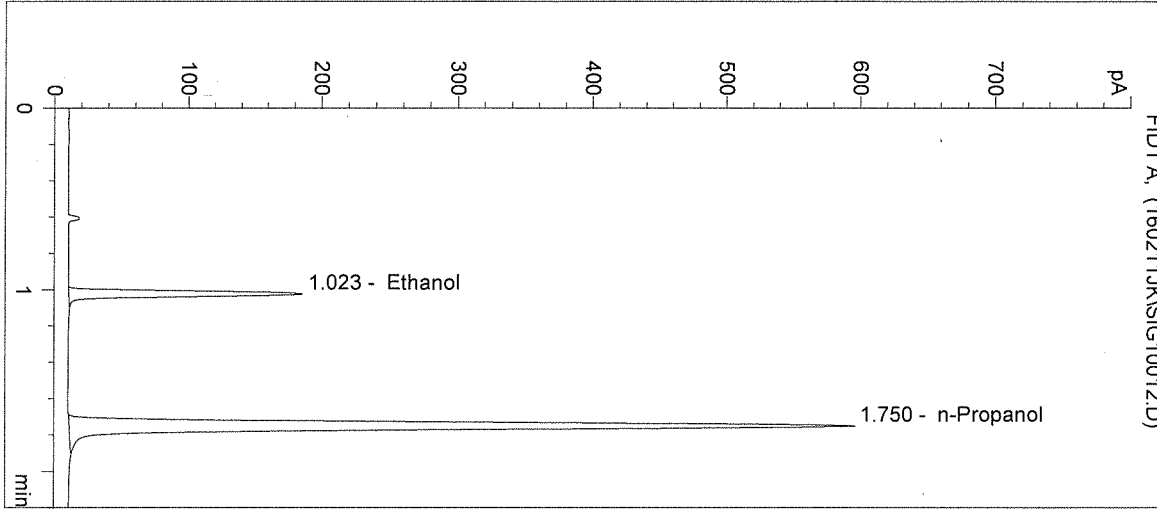
Operator: Justin Knoy

Column: DB-ALC2

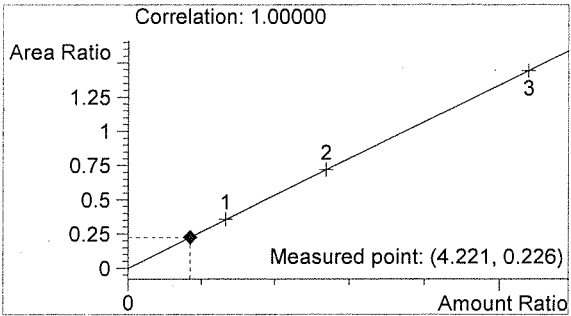
Location: Vial 12

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

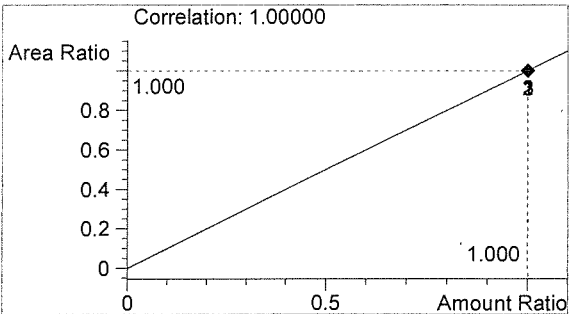
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	359	1.023
2	n-Propanol	1586	1.750



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Inj. Date: 2/11/2016 4:45:47 PM

Sample Name: 16002-4

Instrument: HSGC#3

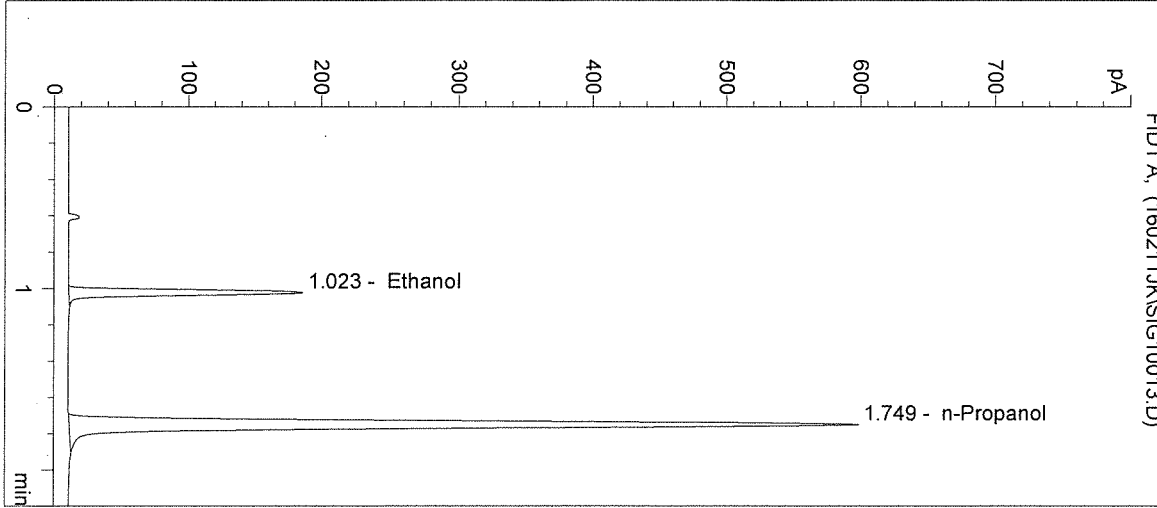
Operator: Justin Knoy

Column: DB-ALC2

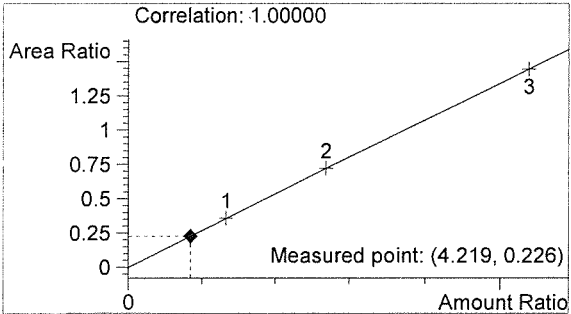
Location: Vial 13

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

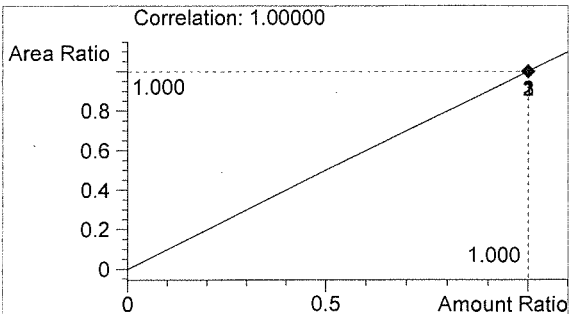
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	360	1.023
2	n-Propanol	1592	1.749



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Inj. Date: 2/11/2016 4:49:00 PM

Sample Name: 16002-5

Instrument: HSGC#3

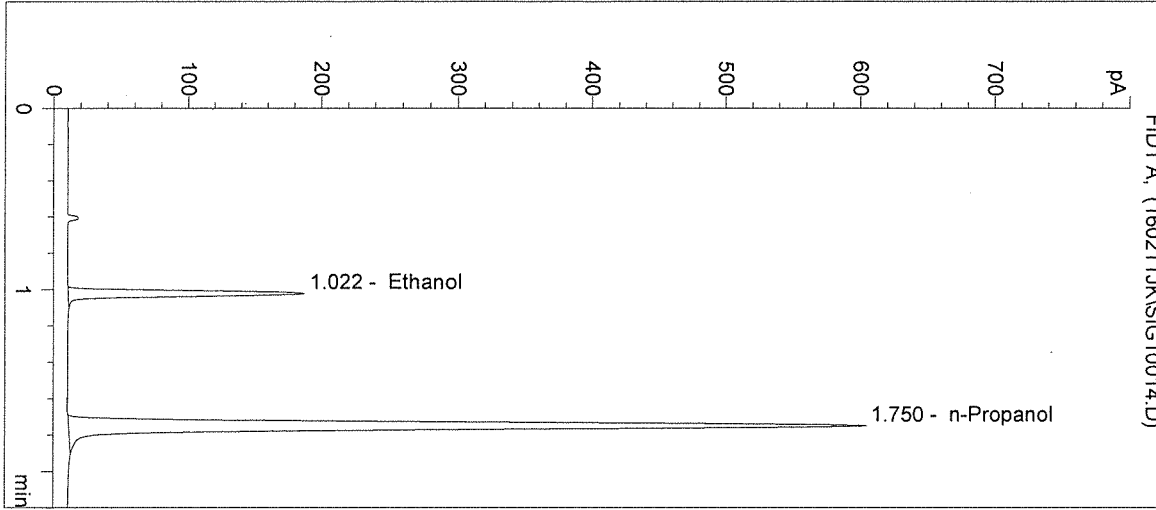
Operator: Justin Knoy

Column: DB-ALC2

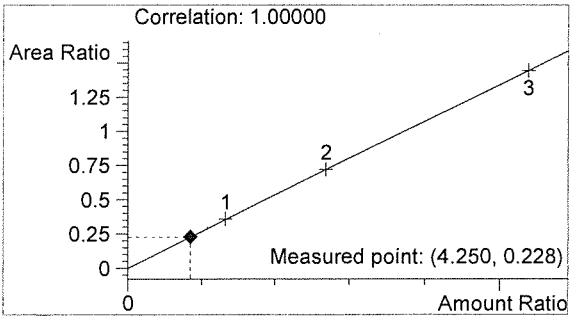
Location: Vial 14

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

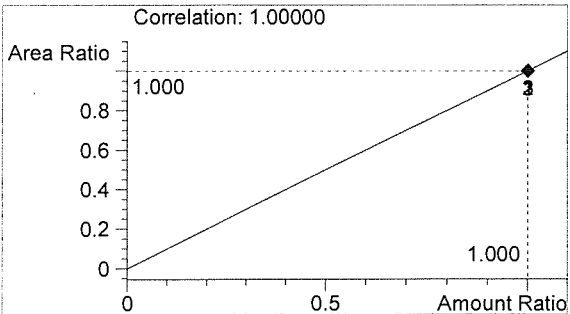
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	368	1.022
2	n-Propanol	1612	1.750



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

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Inj. Date: 2/11/2016 4:52:13 PM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

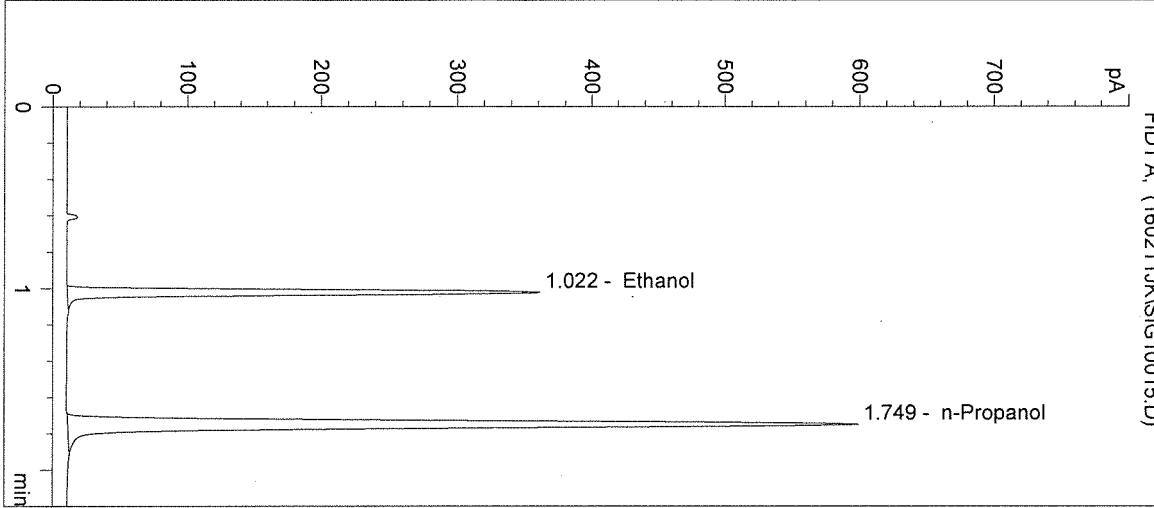
Operator: Justin Knoy

Column: DB-ALC2

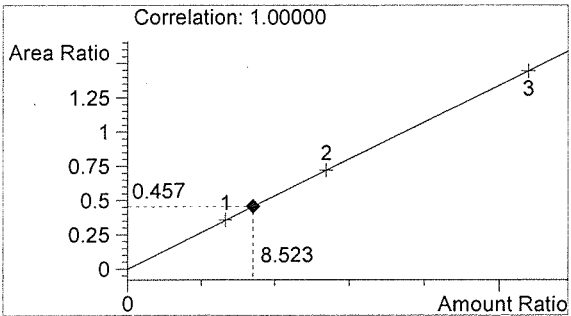
Location: Vial 15

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

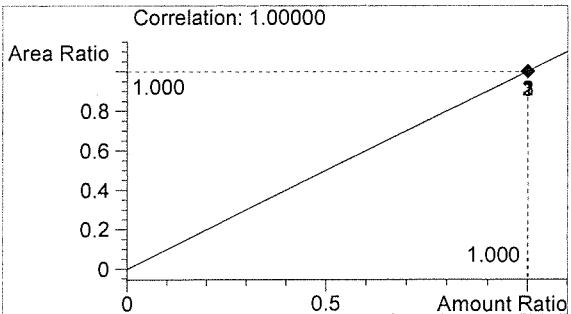
Sample Info: 0.10g/100mL ; 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	731	1.022
2	n-Propanol	1598	1.749



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*JK*

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Inj. Date: 2/11/2016 4:55:26 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

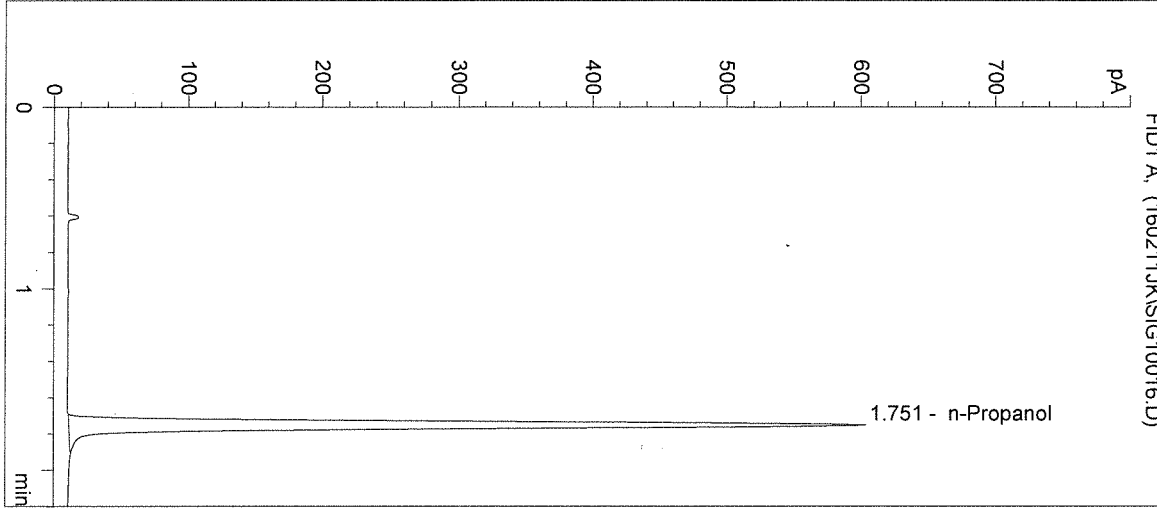
Operator: Justin Knoy

Column: DB-ALC2

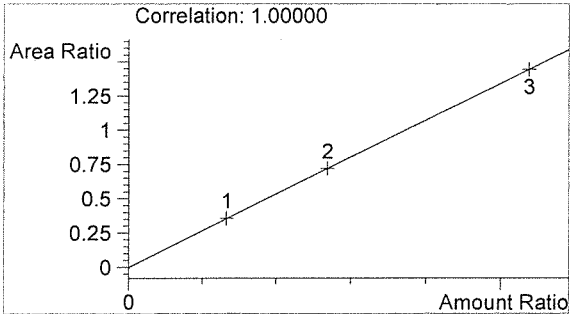
Location: Vial 16

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

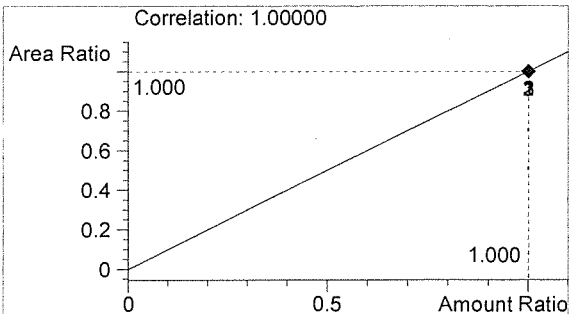
Sample Info: 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1610	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*



Sequence Parameters:

Operator: *Sequence run by:*  
 Andrew Gingras  
 Data File Naming: Prefix/Counter *3/9/16*  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 160212AG  
 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#P0216 - Exp. 05/02/2016  
  
 Calibration vials 1-9 filed with 16002.

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	16002-1	SIMALC3	1	Sample		
11	Vial 11	16002-2	SIMALC3	1	Sample		
12	Vial 12	16002-3	SIMALC3	1	Sample		
13	Vial 13	16002-4	SIMALC3	1	Sample		
14	Vial 14	16002-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16003-1	SIMALC3	1	Sample		
18	Vial 18	16003-2	SIMALC3	1	Sample		
19	Vial 19	16003-3	SIMALC3	1	Sample		
20	Vial 20	16003-4	SIMALC3	1	Sample		
21	Vial 21	16003-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16004-1	SIMALC3	1	Sample		
25	Vial 25	16004-2	SIMALC3	1	Sample		

16002

*3/9/16*

*AG*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
26	Vial 26	16004-3	SIMALC3	1	Sample		
27	Vial 27	16004-4	SIMALC3	1	Sample		
28	Vial 28	16004-5	SIMALC3	1	Sample		
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16005-1	SIMALC3	1	Sample		
32	Vial 32	16005-2	SIMALC3	1	Sample		
33	Vial 33	16005-3	SIMALC3	1	Sample		
34	Vial 34	16005-4	SIMALC3	1	Sample		
35	Vial 35	16005-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

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		
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16002

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

Calib. Data Modified : Friday, February 12, 2016 8:28:44 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	Lvl	Amount	Area	Amt/Area	Ref	Grp Name
[min]	Sig	[g/100mL]				
1.023	1	7.96600e-2	568.21857	1.40193e-4	1	Ethanol
		2 1.61370e-1	1120.18457	1.44057e-4		
		3 3.22930e-1	2298.58032	1.40491e-4		
1.749	1	1.20000e-2	1588.11890	7.55611e-6	I1	n-Propanol
		2 1.20000e-2	1564.81360	7.66865e-6		
		3 1.20000e-2	1595.03528	7.52334e-6		

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

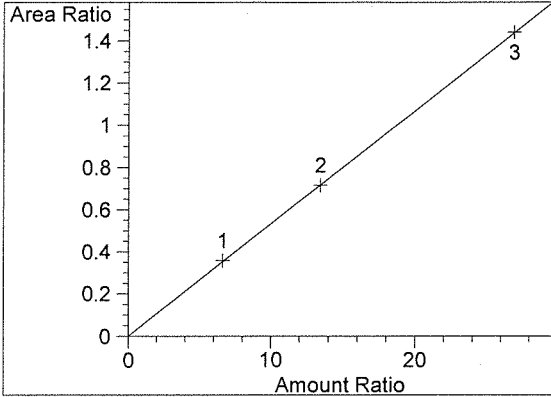
\*\*\*No Entries in table\*\*\*  
=====

16002

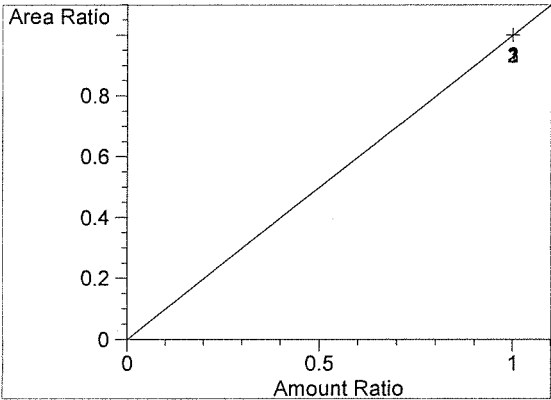
*Handwritten signature*

*Handwritten signature*

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



Ethanol at exp. RT: 1.023  
FID1 A,  
Correlation: 0.99999  
Residual Std. Dev.: 0.00329  
Formula:  $y = mx + b$   
m:  $5.35024e-2$   
b:  $7.54868e-5$   
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.749  
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

=====  
16002

*for 3/17/16*

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

Inj. Date: 2/12/2016 8:16:39 AM

Sample Name: BLANK

Instrument: HSGC#3

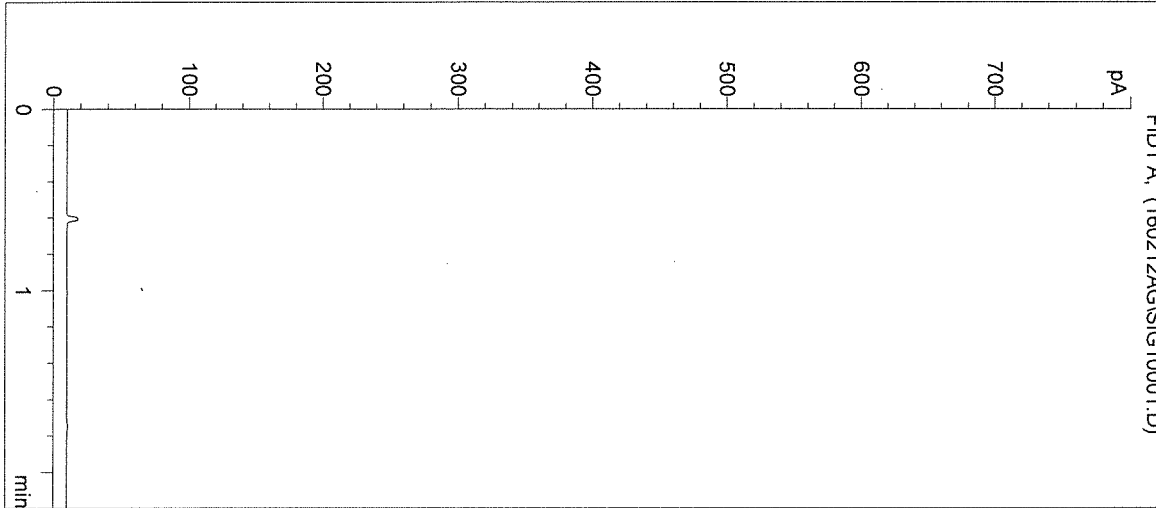
Operator: Andrew Gingras

Column: DB-ALC2

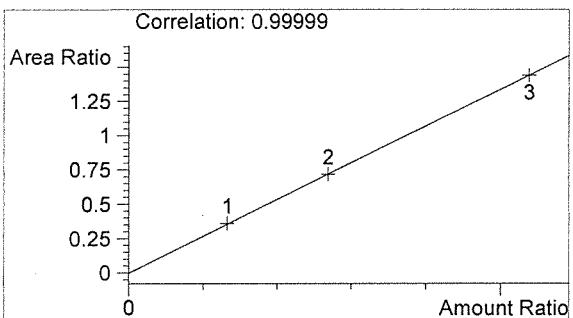
Location: Vial 1

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

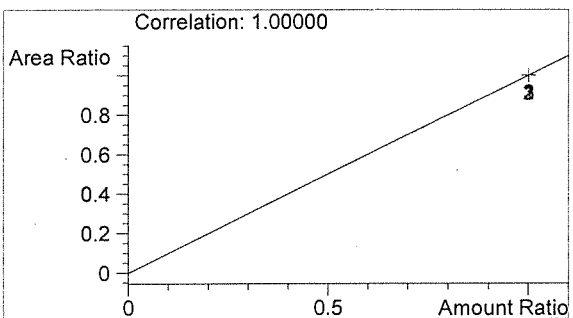
Sample Info:



#	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

16002

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/12/2016 8:19:57 AM

Sample Name: CAL1 0.079

Instrument: HSGC#3

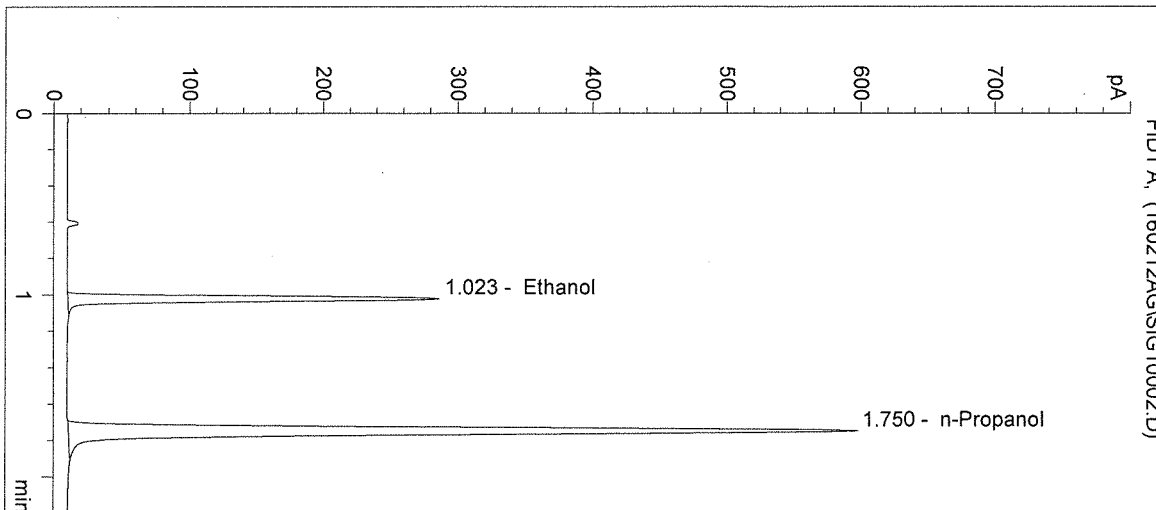
Operator: Andrew Gingras

Column: DB-ALC2

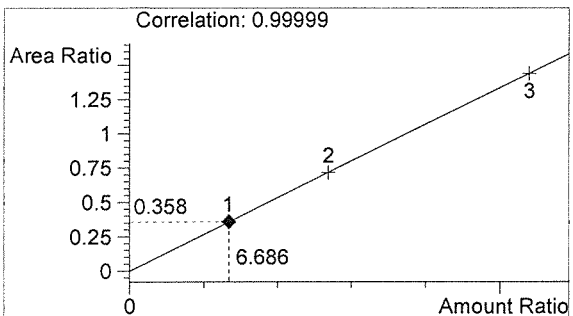
Location: Vial 2

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

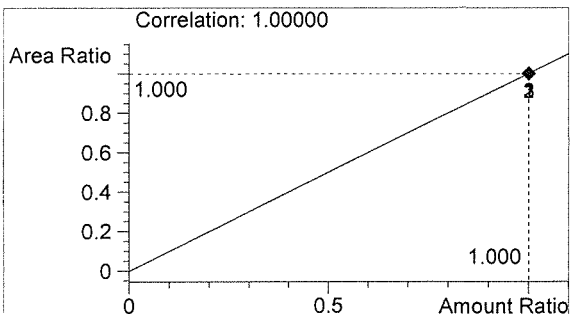
Sample Info: E1015-01 - (0.079g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	568	1.023
2	n-Propanol	1588	1.750



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

16002  
 In 3/1/16

*AG*

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

Inj. Date: 2/12/2016 8:23:14 AM

Sample Name: CAL2 0.158

Instrument: HSGC#3

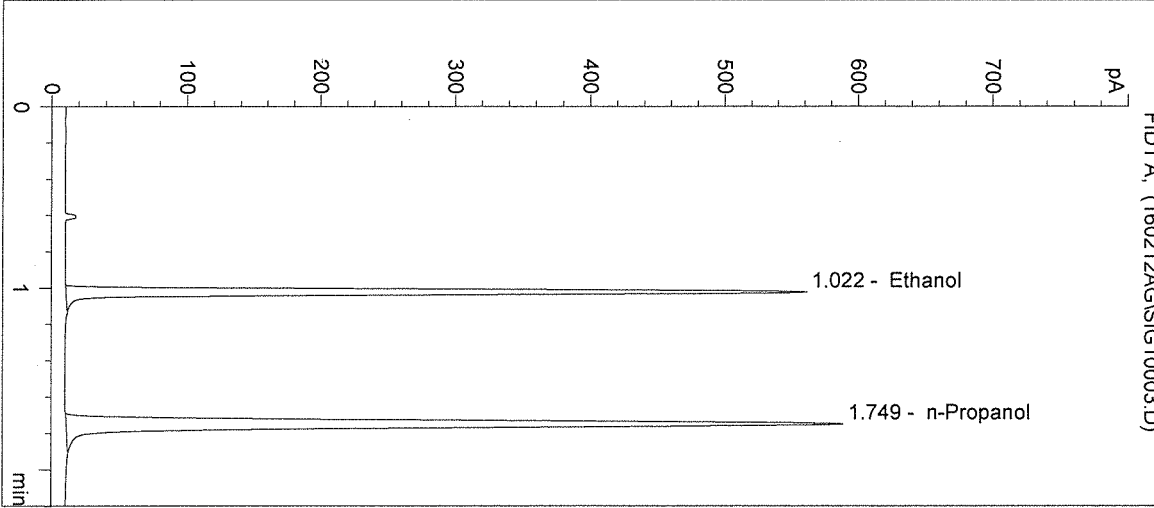
Operator: Andrew Gingras

Column: DB-ALC2

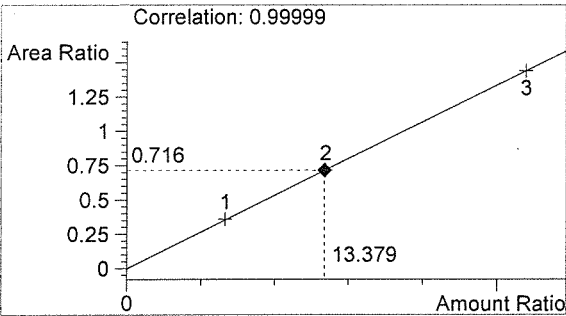
Location: Vial 3

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

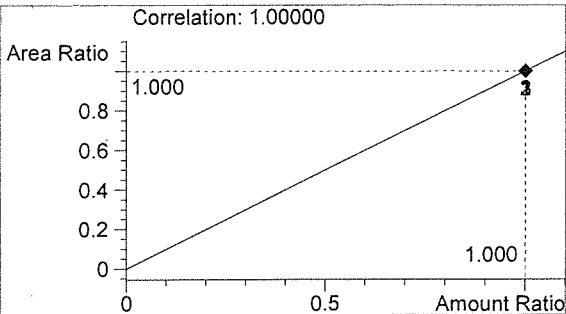
Sample Info: E1015-02 - (0.158g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	1120	1.022
2	n-Propanol	1565	1.749



Ethanol 0.161 g/100mL



n-Propanol 0.012 g/100mL

16002

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

Inj. Date: 2/12/2016 8:26:32 AM

Sample Name: CAL3 0.316

Instrument: HSGC#3

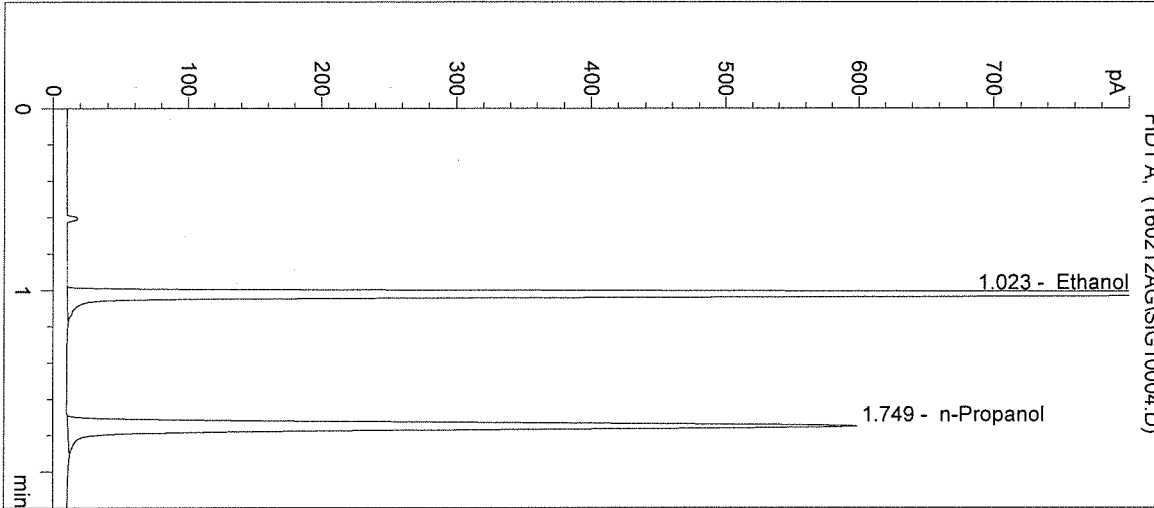
Operator: Andrew Gingras

Column: DB-ALC2

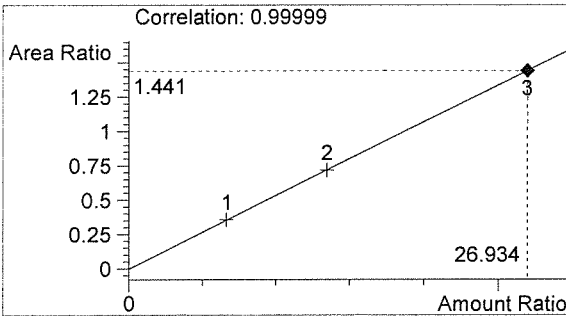
Location: Vial 4

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

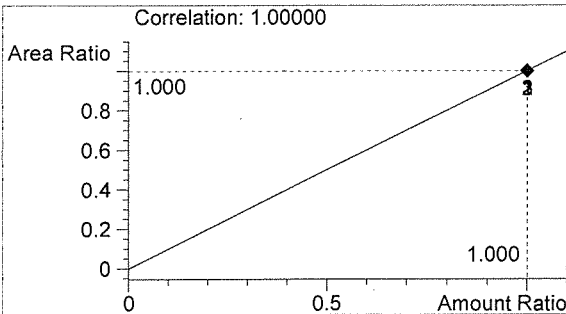
Sample Info: E1015-03 - (0.316g/100mL)



#	Compound	Peak Area	RT (min)
1	Ethanol	2299	1.023
2	n-Propanol	1595	1.749



Ethanol 0.323 g/100mL



n-Propanol 0.012 g/100mL

16002  
 In 3/17/16

*AG*



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

Inj. Date: 2/12/2016 8:29:46 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

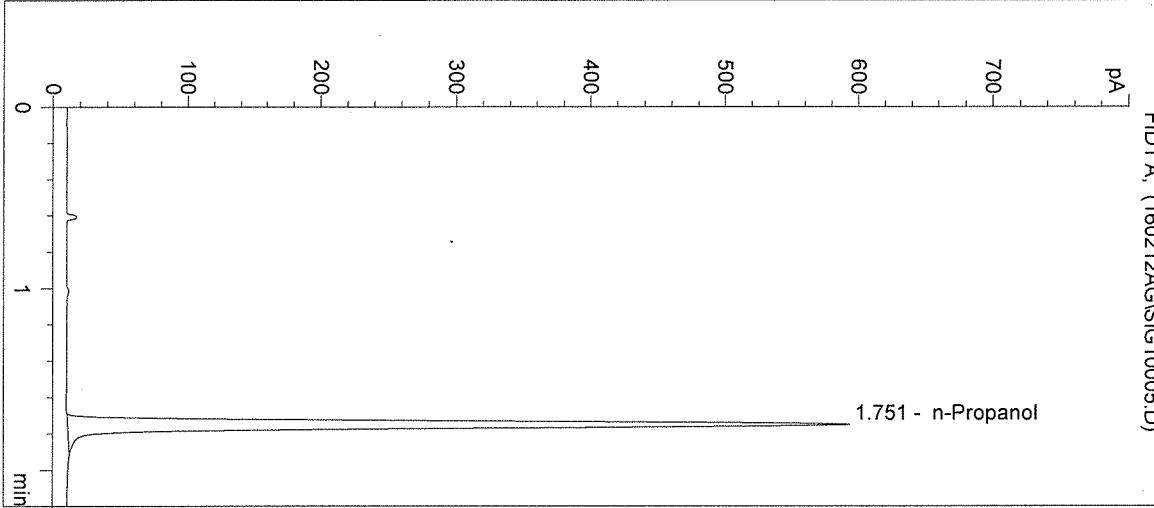
Operator: Andrew Gingras

Column: DB-ALC2

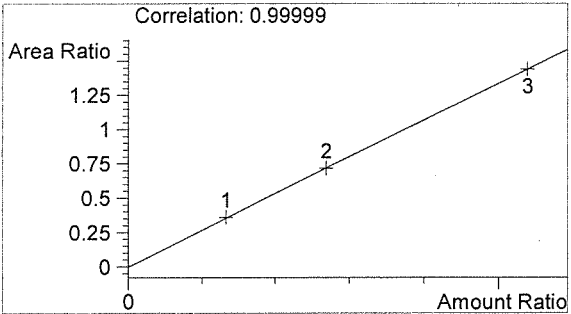
Location: Vial 5

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

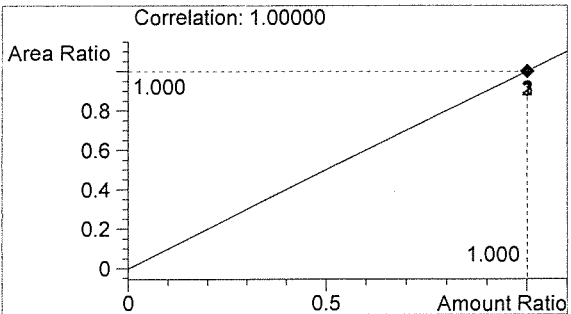
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1578	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

16002

2/17/16

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

Inj. Date: 2/12/2016 8:32:59 AM

Sample Name: CTRL1 (0.04)

Instrument: HSGC#3

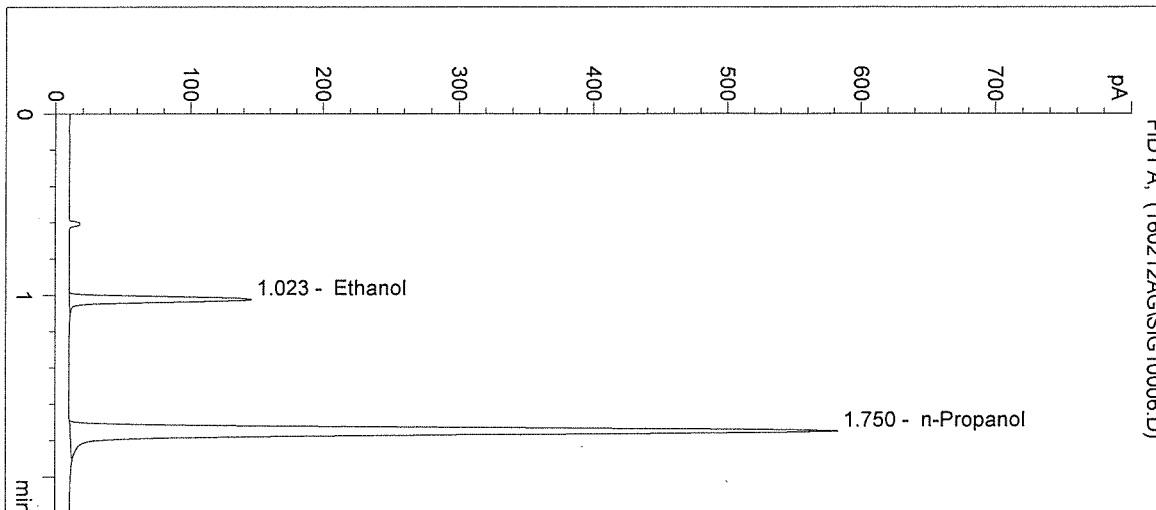
Operator: Andrew Gingras

Column: DB-ALC2

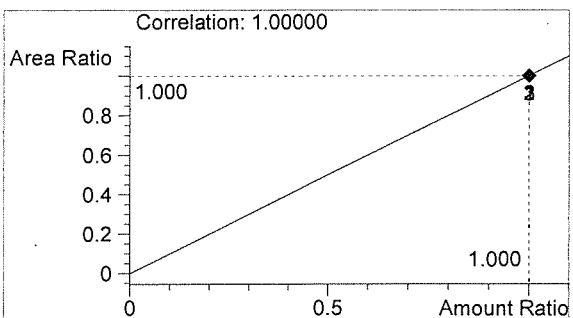
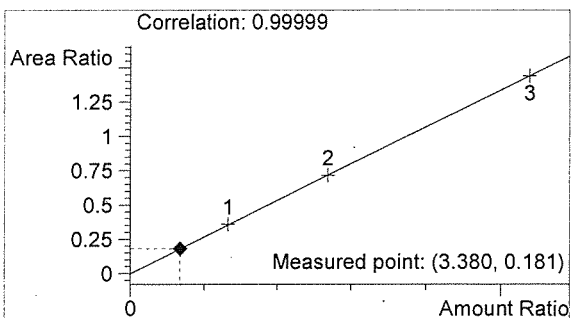
Location: Vial 6

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

Sample Info: 0.04g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	281	1.023
2	n-Propanol	1553	1.750

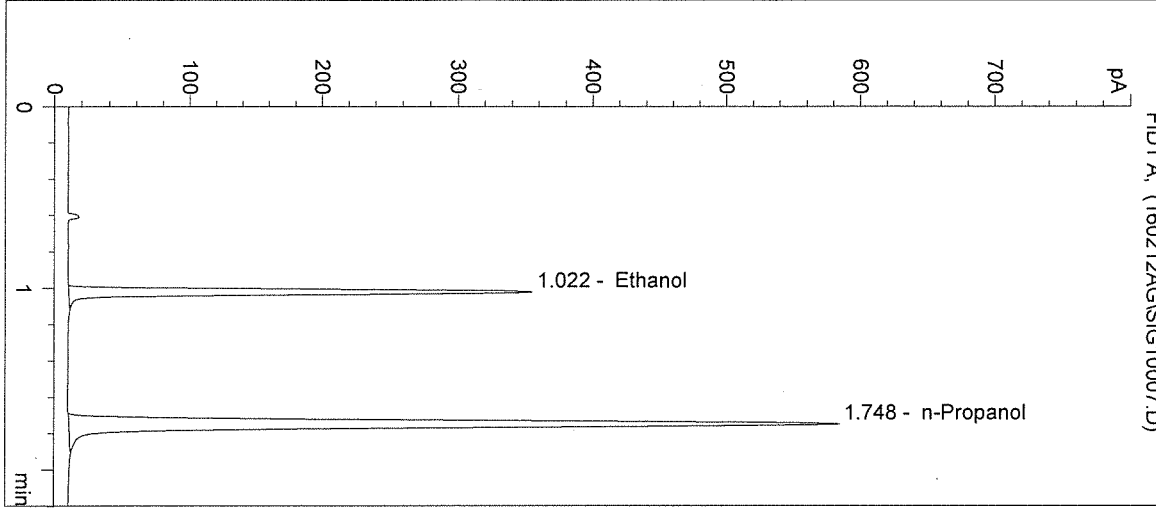


16002

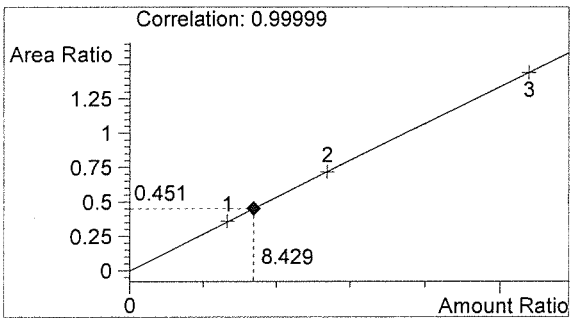
2/12/16

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2203 Airport Way S Seattle, WA 98134

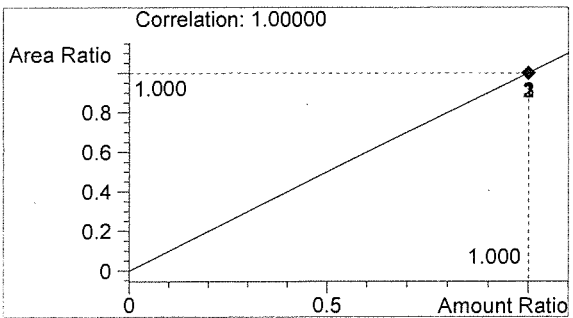
Inj. Date: 2/12/2016 8:36:12 AM      Sample Name: CTRL2 (0.10)  
Instrument: HSGC#3      Operator: Andrew Gingras  
Column: DB-ALC2      Location: Vial 7  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 0.10g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	702	1.022
2	n-Propanol	1557	1.748



Ethanol      0.101 g/100mL

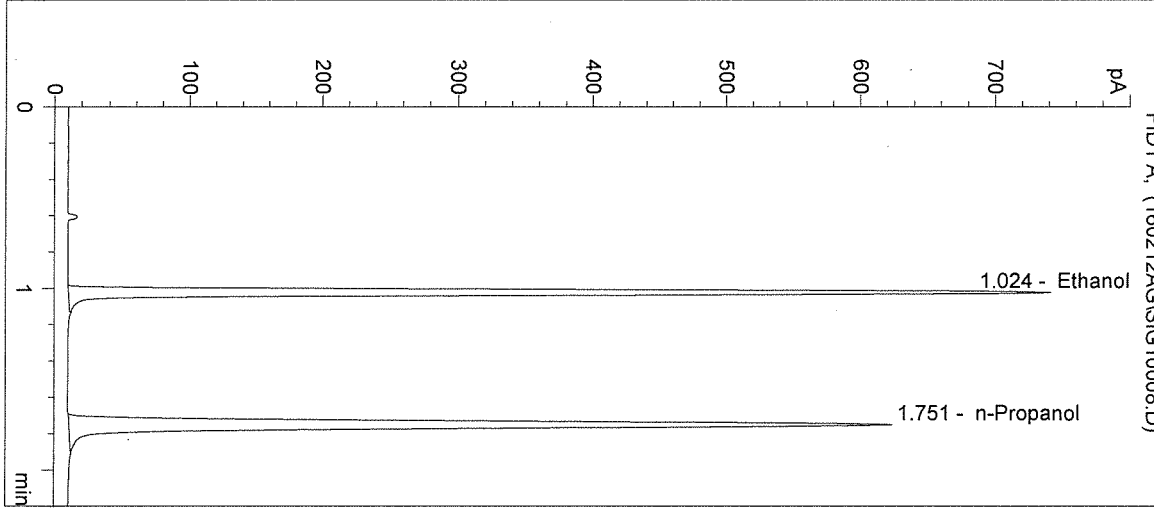


n-Propanol      0.012 g/100mL

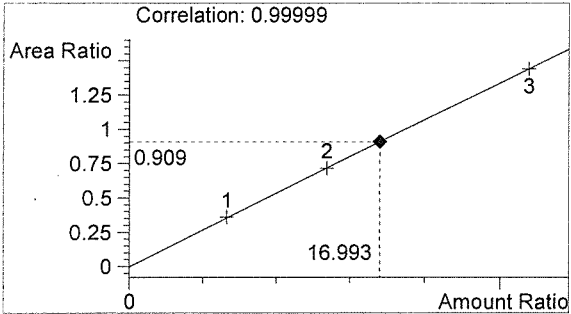
16002  
In 2/16

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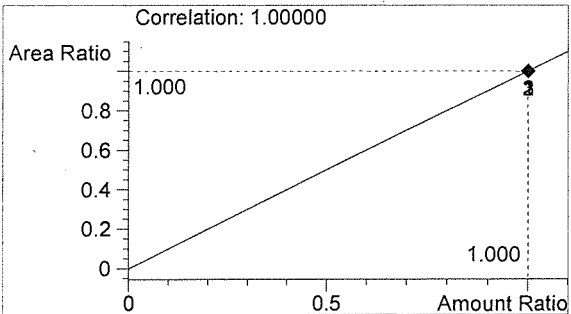
Inj. Date: 2/12/2016 8:39:26 AM      Sample Name: CTRL3 (0.20)  
 Instrument: HSGC#3      Operator: Andrew Gingras  
 Column: DB-ALC2      Location: Vial 8  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: 0.20g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	1512	1.024
2	n-Propanol	1662	1.751



Ethanol      0.204 g/100mL



n-Propanol      0.012 g/100mL

16002  
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Inj. Date: 2/12/2016 8:42:39 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

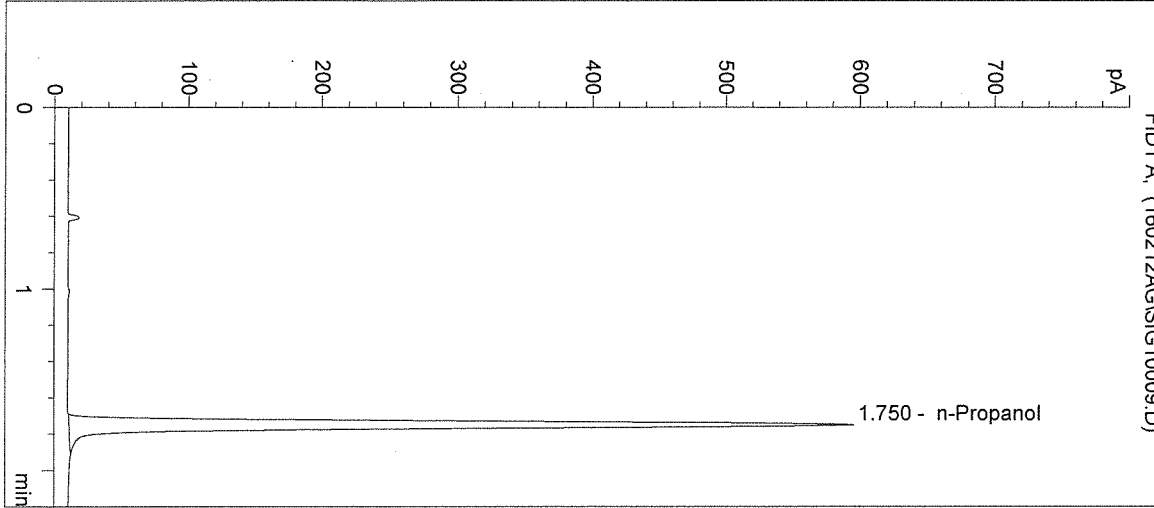
Operator: Andrew Gingras

Column: DB-ALC2

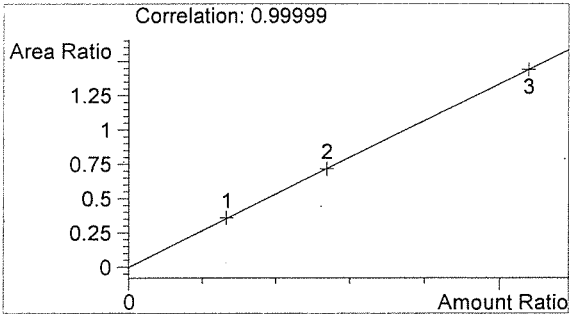
Location: Vial 9

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

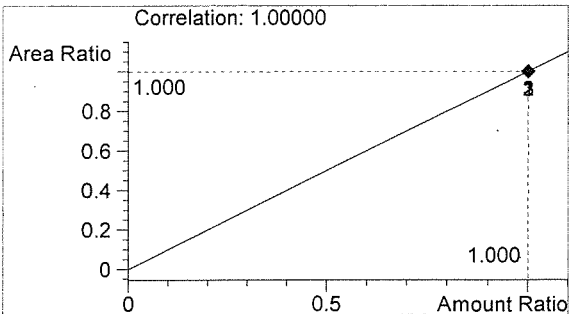
Sample Info:



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



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

16002  
 In 3/17/16

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Inj. Date: 2/12/2016 8:45:52 AM

Sample Name: 16002-1

Instrument: HSGC#3

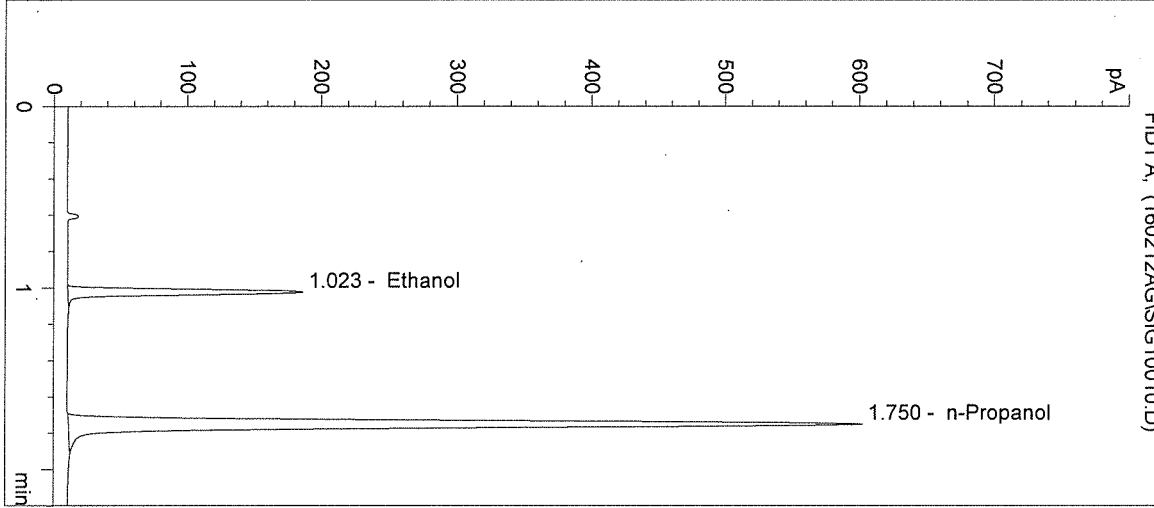
Operator: Andrew Gingras

Column: DB-ALC2

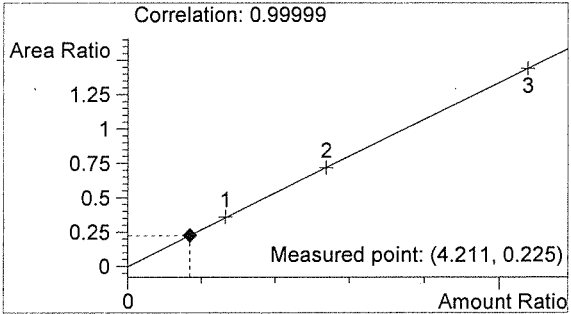
Location: Vial 10

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

Sample Info:

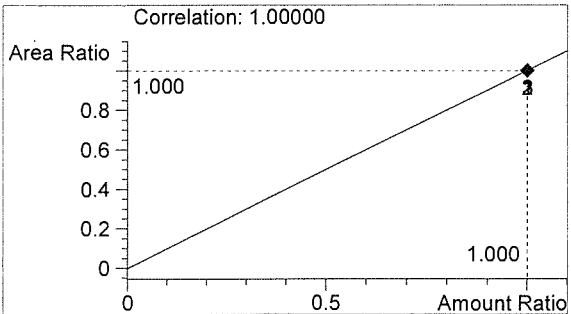


#	Compound	Peak Area	RT (min)
1	Ethanol	362	1.023
2	n-Propanol	1605	1.750



Ethanol 0.051 g/100mL

*Signature*

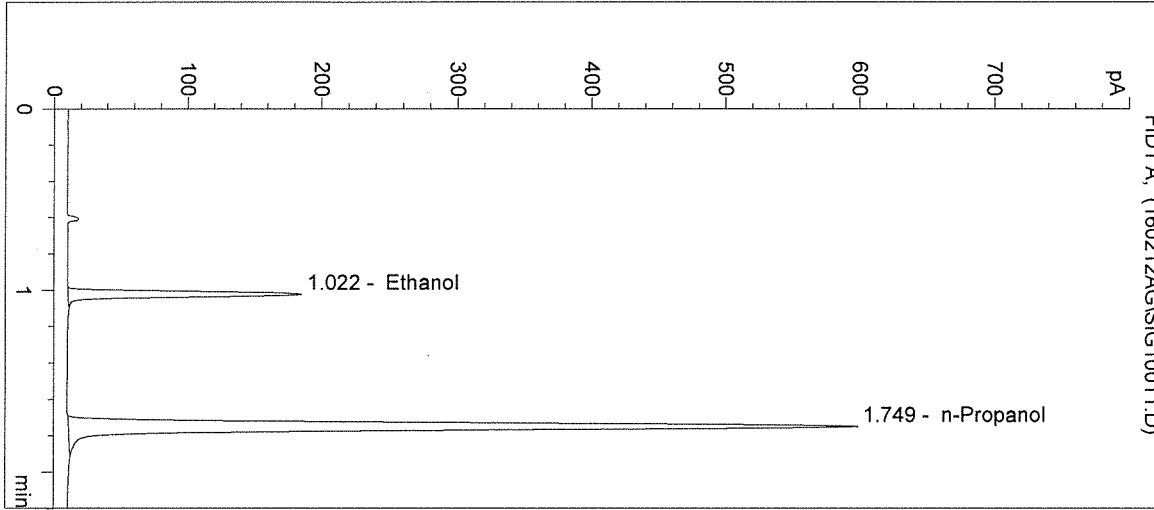


n-Propanol 0.012 g/100mL

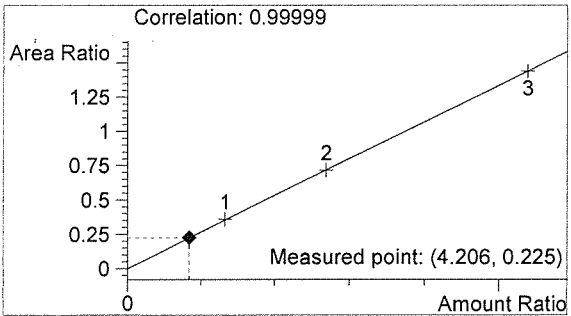
*Signature*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/12/2016 8:49:06 AM      Sample Name: 16002-2  
 Instrument: HSGC#3      Operator: Andrew Gingras  
 Column: DB-ALC2      Location: Vial 11  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info:

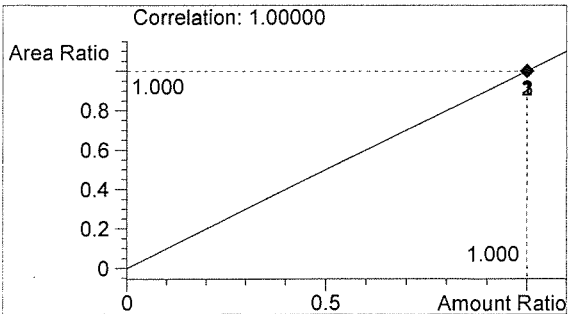


#	Compound	Peak Area	RT (min)
1	Ethanol	360	1.022
2	n-Propanol	1597	1.749



Ethanol      0.050 g/100mL

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n-Propanol      0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/12/2016 8:52:19 AM

Sample Name: 16002-3

Instrument: HSGC#3

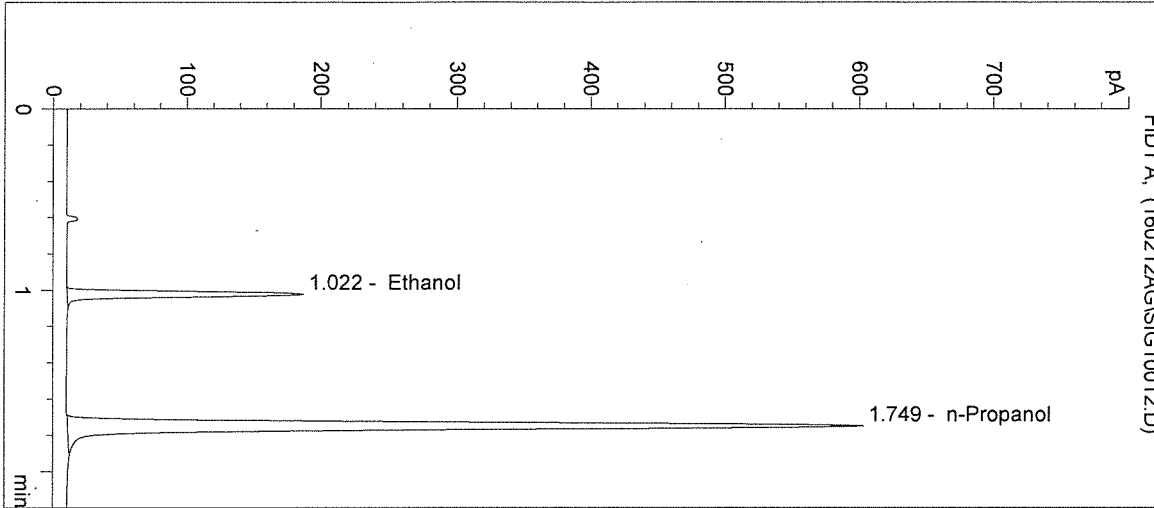
Operator: Andrew Gingras

Column: DB-ALC2

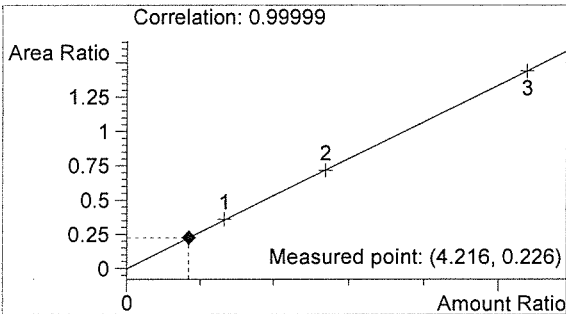
Location: Vial 12

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

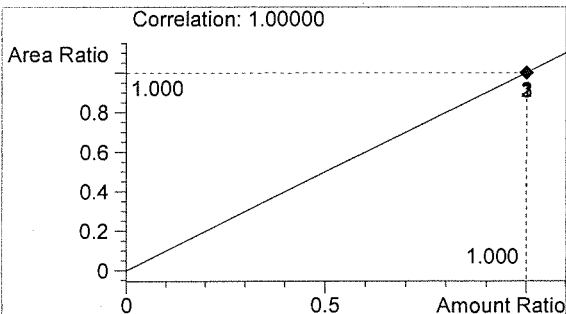
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	362	1.022
2	n-Propanol	1607	1.749



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/12/2016 8:55:32 AM

Sample Name: 16002-4

Instrument: HSGC#3

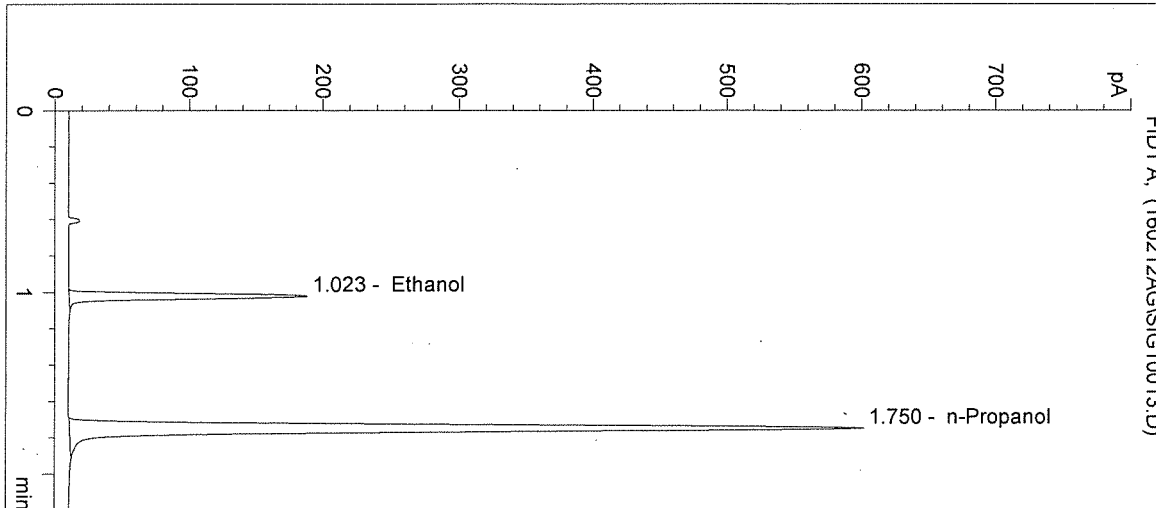
Operator: Andrew Gingras

Column: DB-ALC2

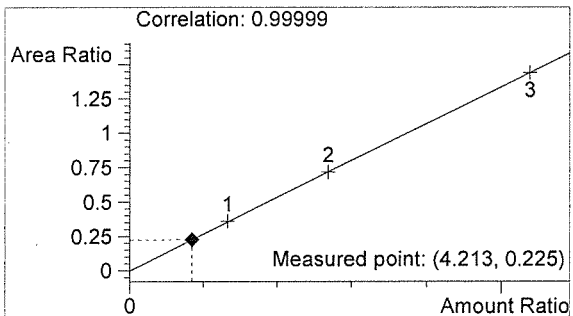
Location: Vial 13

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

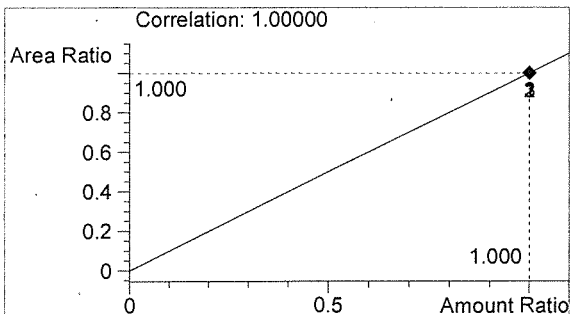
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	360	1.023
2	n-Propanol	1599	1.750



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/12/2016 8:58:45 AM

Sample Name: 16002-5

Instrument: HSGC#3

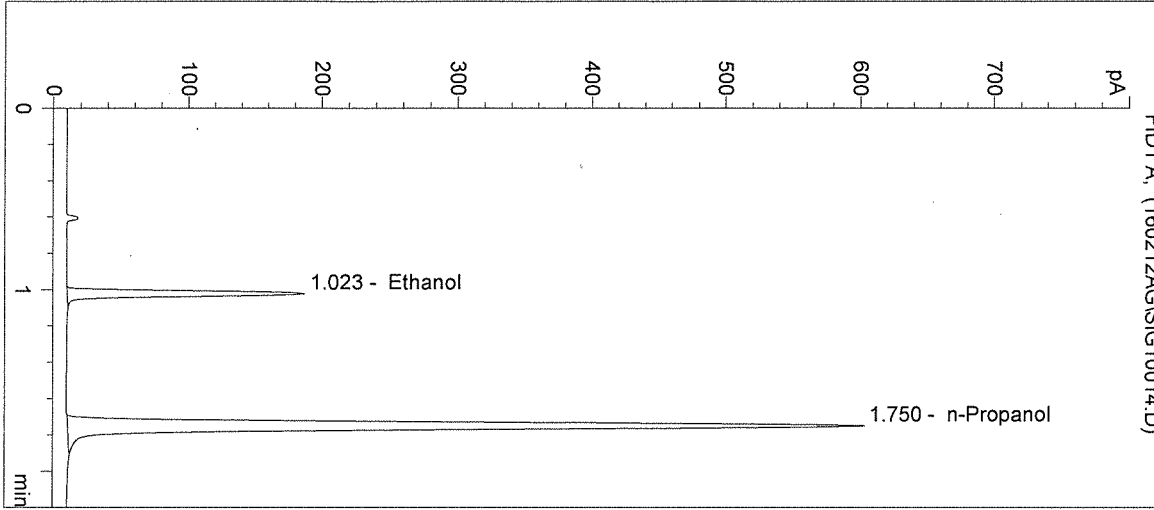
Operator: Andrew Gingras

Column: DB-ALC2

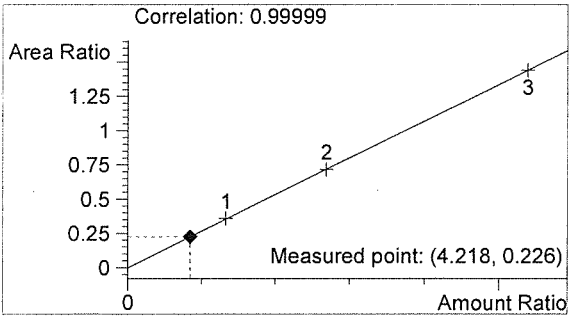
Location: Vial 14

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

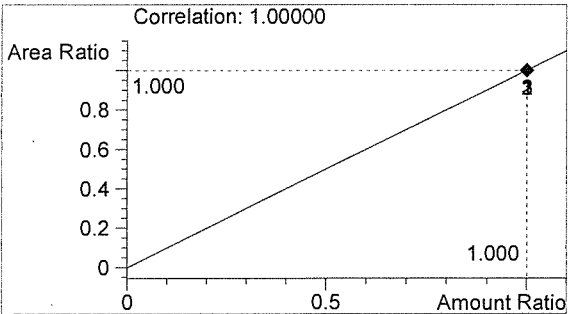
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	363	1.023
2	n-Propanol	1608	1.750



Ethanol 0.051 g/100mL



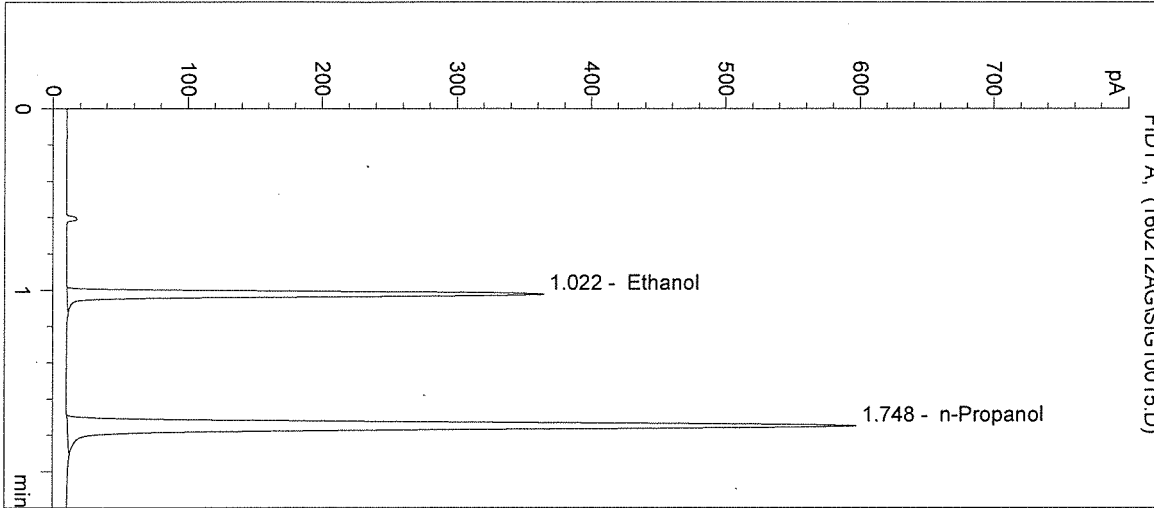
n-Propanol 0.012 g/100mL

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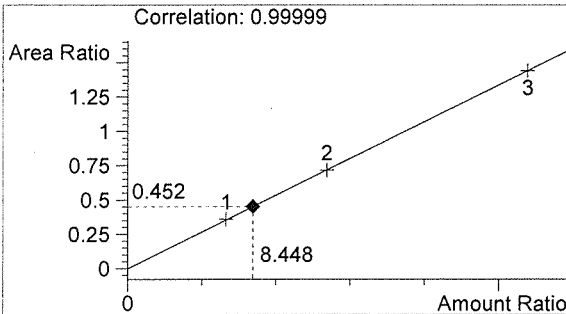
*Handwritten signature*

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 2203 Airport Way S Seattle, WA 98134

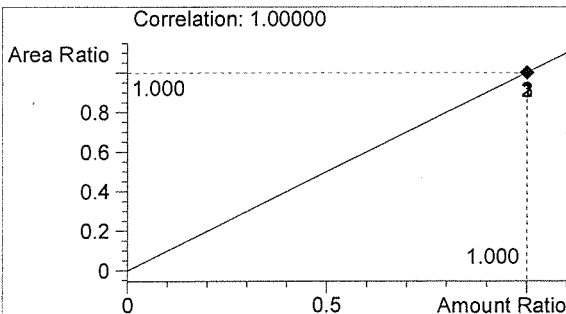
Inj. Date: 2/12/2016 9:01:58 AM      Sample Name: CTRL2 (0.10)  
 Instrument: HSGC#3      Operator: Andrew Gingras  
 Column: DB-ALC2      Location: Vial 15  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: 0.10g/100mL ; 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	719	1.022
2	n-Propanol	1591	1.748



Ethanol      0.101 g/100mL



n-Propanol      0.012 g/100mL

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Inj. Date: 2/12/2016 9:05:12 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

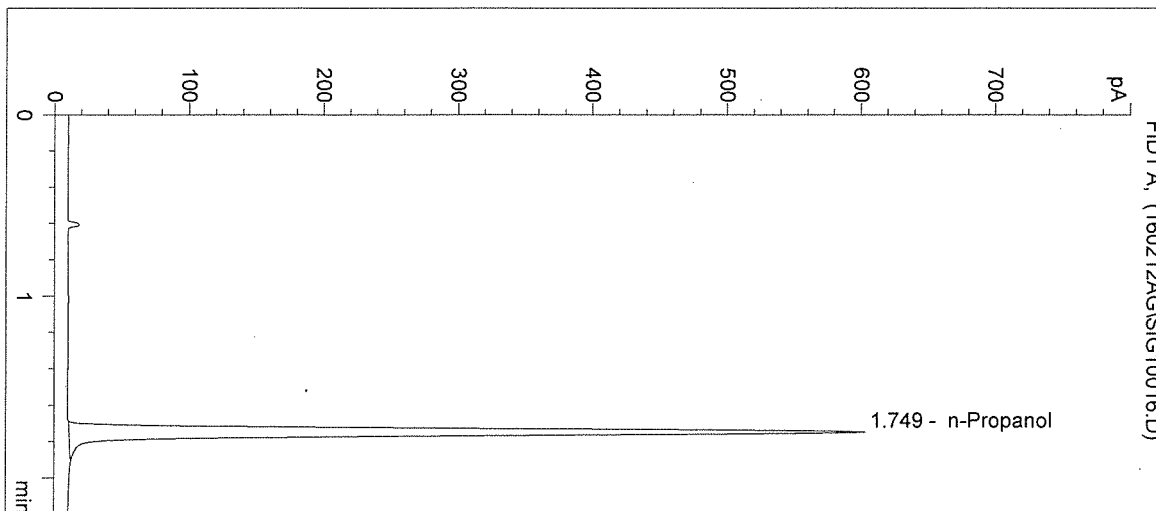
Operator: Andrew Gingras

Column: DB-ALC2

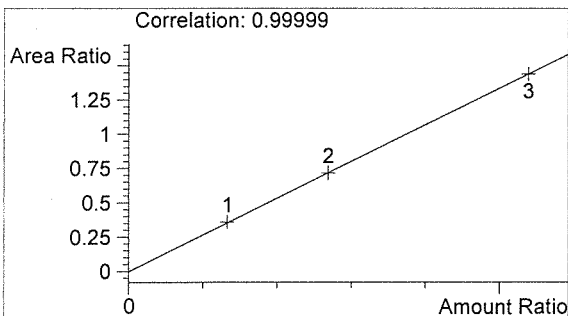
Location: Vial 16

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

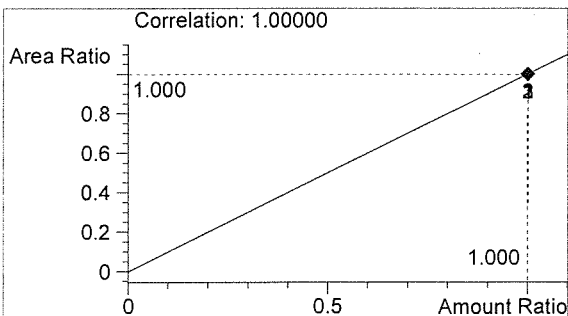
Sample Info: 16002



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1607	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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