



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 16013

**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: 04/25/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Justin L. Knoy

	JLK	AG	LK
1	0.049	0.049	0.049
2	0.050	0.049	0.050
3	0.050	0.049	0.050
4	0.050	0.049	0.049
5	0.050	0.049	0.050
C	0.100	0.100	0.100

**ETHANOL CONTROL INFORMATION**

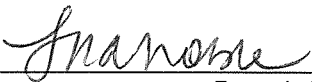
LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

**RESULTS OF TESTING**

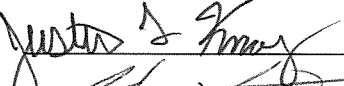
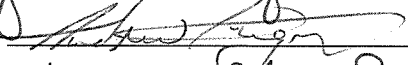
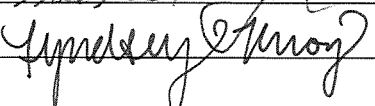
AVERAGE SOLUTION CONCENTRATION: 0.0495 g/100mL PRECISION CV (%): 1.04  
STANDARD DEVIATION: 0.00052 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0402 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0008 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

5/26/16  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		04/25/2016
AG	Andrew Gingras		04/28/2016
LK	Lyndsey Knoy		05/02/2016

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

QAP Solution Batch #: 16013

Date Prepared: 4/25/2016

Analyst:	JK	AG	LK
Date Tested:	4/25/2016	4/28/2016	5/2/2016
Instrument:	HSGC #1	HSGC #3	HSGC #1
1	0.049	0.049	0.049
2	0.050	0.049	0.050
3	0.050	0.049	0.050
4	0.050	0.049	0.049
5	0.050	0.049	0.050
C	0.100	0.100	0.100

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000072653	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.0495 g/100mL  
 Standard Deviation: 0.00052 g/100mL  
 Precision CV (%): 1.04  
 Equivalent Vapor Concentration: 0.0402 g/210L  
 Combined Standard Uncertainty ( $\pm$ ): 0.0004 g/210L  
 Expanded Uncertainty ( $\pm$ ): 0.0008 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 5/5/16  
 Name Signature Date

Calculations verified by: Amanda H. Black [Signature] 5-23-2016 Method: Hand calculation  
 Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 5/5/16  
 Name Signature Date

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black

Date: 5-23-2016

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16013

	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: 5-23-2016



## 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
<b>Amanda Chandler</b>		
<b>Andrew Gingras</b>	<i>AG</i>	<i>5/6/16</i>
<b>Asa Louis</b>		
<b>Brittany Thomas</b>		
<b>Christie Mitchell-Mata</b>		
<b>Christopher Johnston</b>		
<b>David Nguyen</b>		
<b>Dawn Sklerov</b>		
<b>Elizabeth Wehner</b>		
<b>Justin Knoy</b>	<i>JK</i>	<i>5.6.16</i>
<b>Katie Harris</b>		
<b>Lyndsey Lowe (Knoy)</b>	<i>LK</i>	<i>5.6.16</i>
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>		

Batch # 16013 7/5/16

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16013**

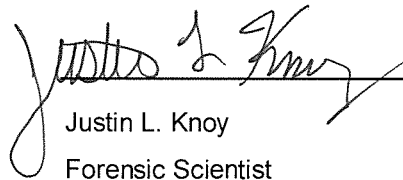
I, Justin L. Knoy, do certify under penalty of perjury that:

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 16013, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. 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 4/25/2017.

Seattle, WA

  
Justin L. Knoy  
Forensic Scientist

5.6.16  
Date



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16013**


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

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

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

The quality assurance procedure (QAP) solution, Lot Number 16013, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. 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 4/25/2017.

Seattle, WA

 5/6/2016  
Andrew Gingras 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 16013**

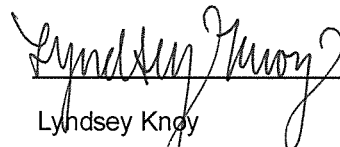
I, Lyndsey Knoy, do certify under penalty of perjury that:

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 Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16013, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. 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 4/25/2017.

Seattle, WA

 5.6.16  
Lyndsey Knoy Date  
Forensic Scientist



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

Preparation Date: 4-25-16 Expiration Date: 4-25-17 Initials of Preparer: JK

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

Date the 200-proof Ethanol bottle was opened: 4-7-16

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

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>16013</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16014</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u>          </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16015</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>16016</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

4-25-16  
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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Justin J. King  
Analyst Signature

4-25-16  
Date

*JK*



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\1\DATA\  
 Data Subdirectory: 160425JK  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016  
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016  
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016  
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018  
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018  
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019  
 Internal Standard Lot#P0316 - Exp. 06/29/2016

Calibration vials 1-9 filed with 16013.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16013-1	SIMALC1	1	Sample		
11	Vial 11	16013-2	SIMALC1	1	Sample		
12	Vial 12	16013-3	SIMALC1	1	Sample		
13	Vial 13	16013-4	SIMALC1	1	Sample		
14	Vial 14	16013-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16014-1	SIMALC1	1	Sample		
18	Vial 18	16014-2	SIMALC1	1	Sample		
19	Vial 19	16014-3	SIMALC1	1	Sample		
20	Vial 20	16014-4	SIMALC1	1	Sample		
21	Vial 21	16014-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16015-1	SIMALC1	1	Sample		
25	Vial 25	16015-2	SIMALC1	1	Sample		
26	Vial 26	16015-3	SIMALC1	1	Sample		

16013

*Justin Knoy*

*JK*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	16015-4	SIMALC1	1	Sample		
28	Vial 28	16015-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16016-1	SIMALC1	1	Sample		
32	Vial 32	16016-2	SIMALC1	1	Sample		
33	Vial 33	16016-3	SIMALC1	1	Sample		
34	Vial 34	16016-4	SIMALC1	1	Sample		
35	Vial 35	16016-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16013  
2/5/16

JR

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

Calib. Data Modified : Monday, April 25, 2016 12:08:34 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
1.090	1 1	7.91100e-2	978.43140	8.08539e-5	1 Ethanol
		2 1.59090e-1	1922.49121	8.27520e-5	
		3 3.15200e-1	3887.68140	8.10766e-5	
1.753	1 1	1.20000e-2	2564.92798	4.67849e-6	I1 n-Propanol
		2 1.20000e-2	2544.41138	4.71622e-6	
		3 1.20000e-2	2567.76782	4.67332e-6	

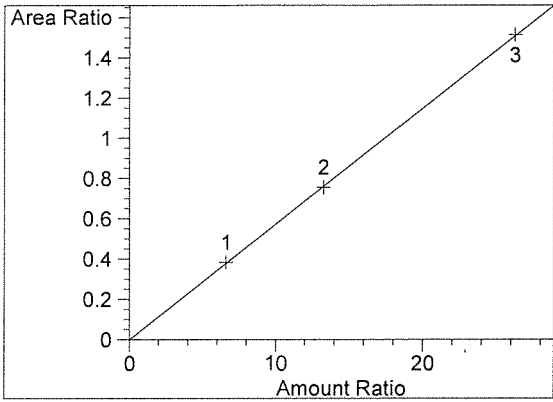
16018  
In 5/5/16

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

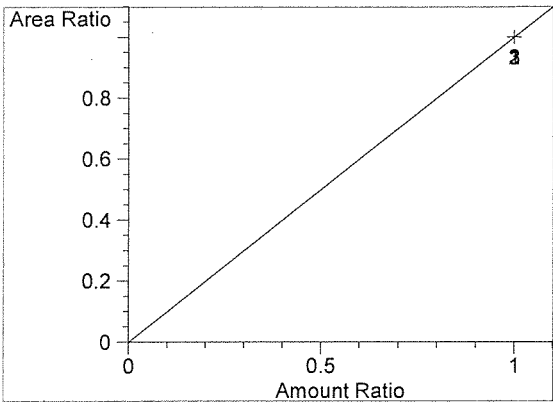
\*\*\*No Entries in table\*\*\*  
=====

JK

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



Ethanol at exp. RT: 1.090  
FID1 A,  
Correlation: 0.99998  
Residual Std. Dev.: 0.00557  
Formula:  $y = mx + b$   
m: 5.75822e-2  
b: -1.10722e-3  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.753  
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

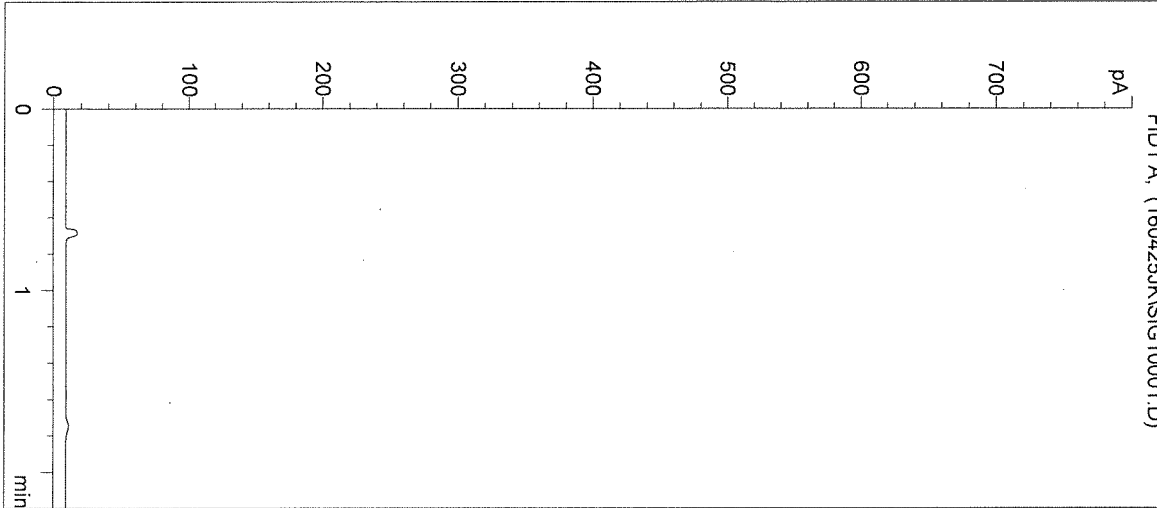
16013

*Justin Knoy*

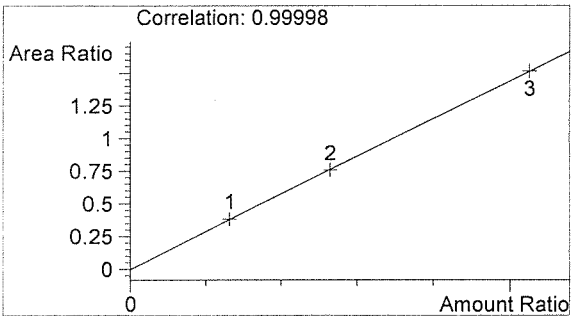
*JK*

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2203 Airport Way S Seattle, WA 98134

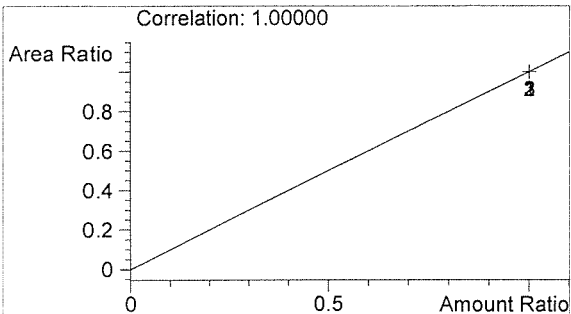
Inj. Date: 4/25/2016 11:56:30 AM      Sample Name: BLANK  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16013



#	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

*JK*

*JK*

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

Inj. Date: 4/25/2016 11:59:47 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

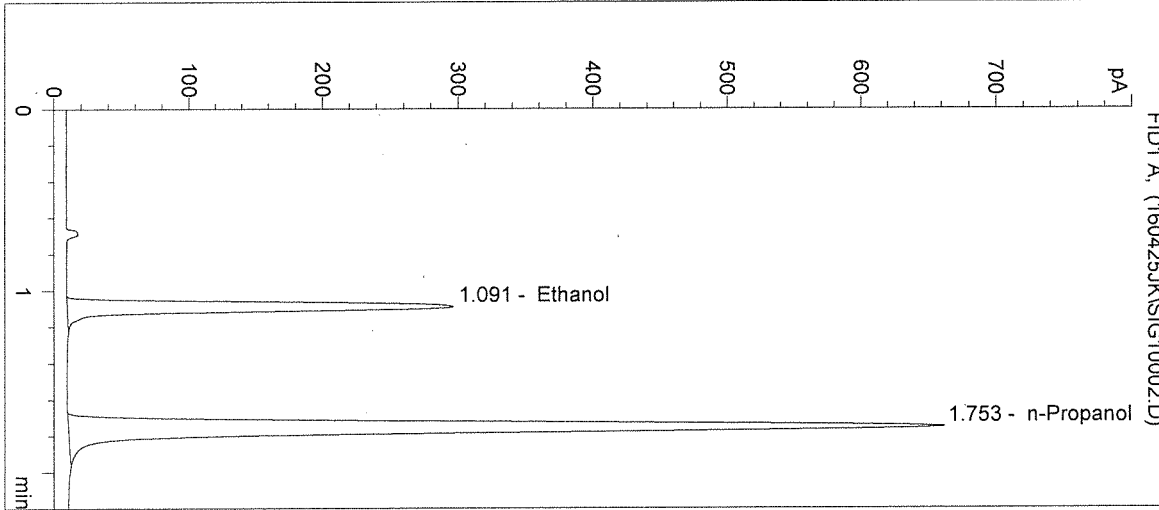
Operator: Justin Knoy

Column: DB-ALC1

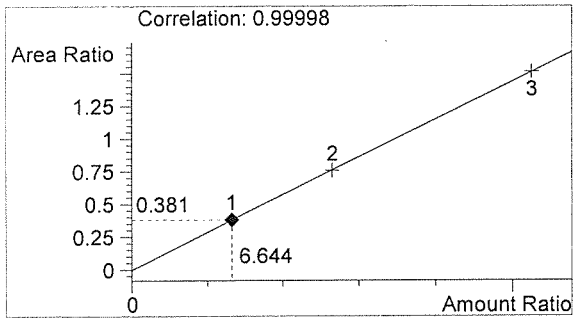
Location: Vial 2

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

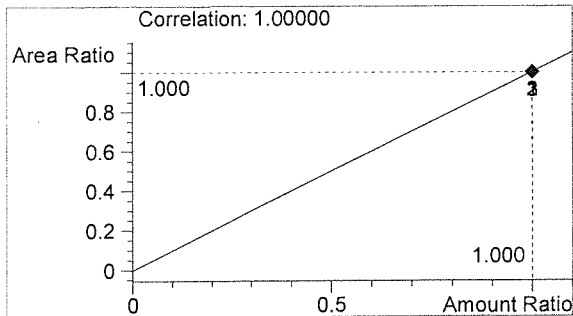
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	978	1.091
2	n-Propanol	2565	1.753



Ethanol 0.080 g/100mL



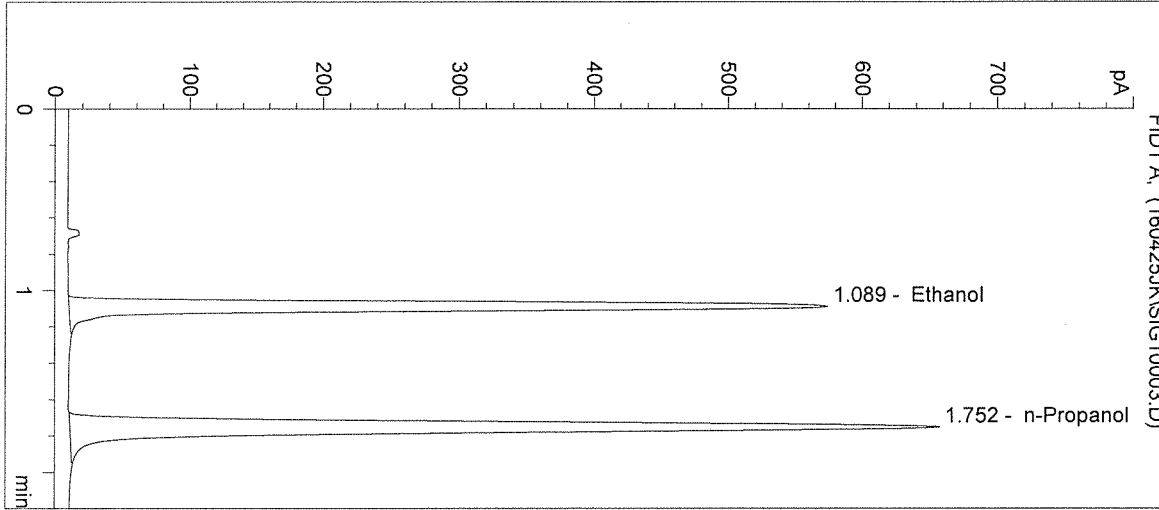
n-Propanol 0.012 g/100mL

*JK*

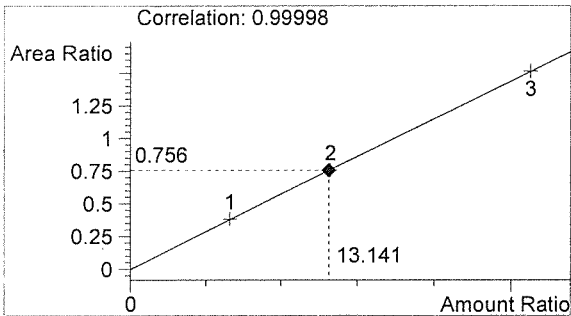
*JK*

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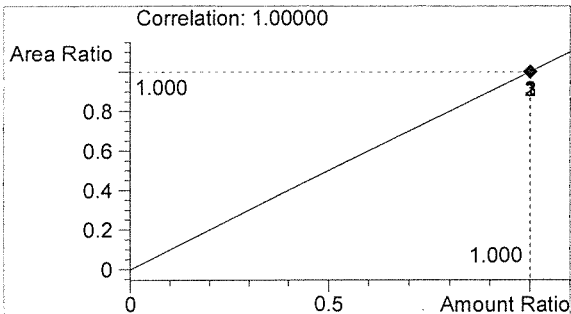
Inj. Date: 4/25/2016 12:03:04 PM      Sample Name: 0.158 CAL 2  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 3  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1922	1.089
2	n-Propanol	2544	1.752



Ethanol      0.158 g/100mL



n-Propanol      0.012 g/100mL

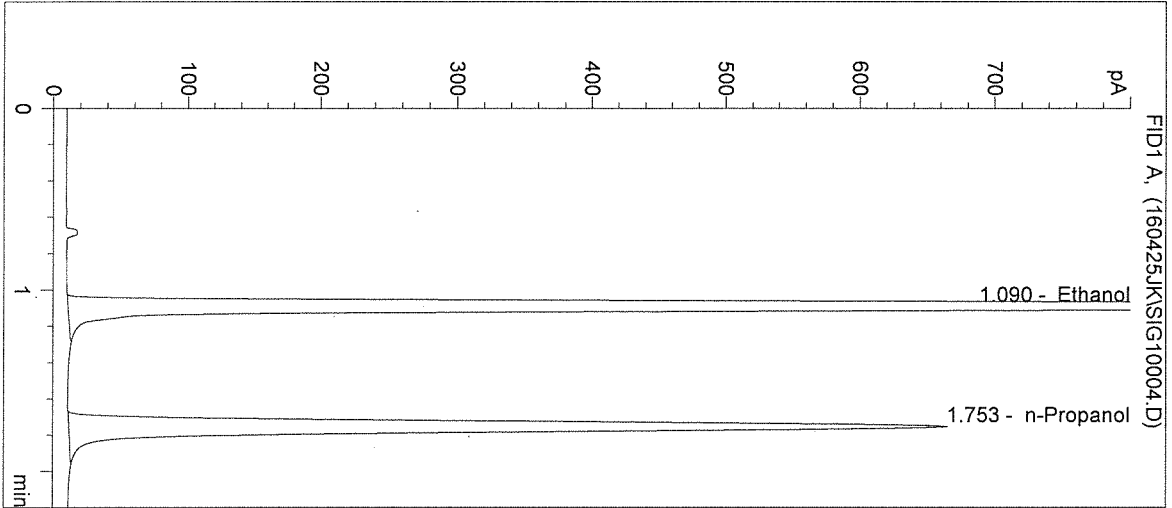
*JK*

*JK*

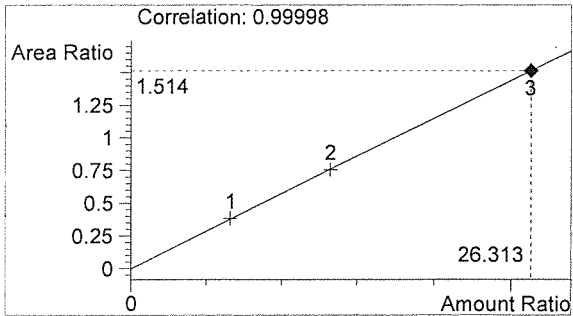
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 12:06:21 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 16013

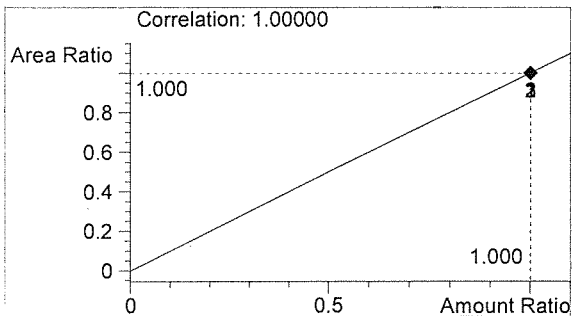
Sample Name: 0.316 CAL 3  
 Operator: Justin Knoy  
 Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3888	1.090
2	n-Propanol	2568	1.753



Ethanol 0.316 g/100mL



n-Propanol 0.012 g/100mL

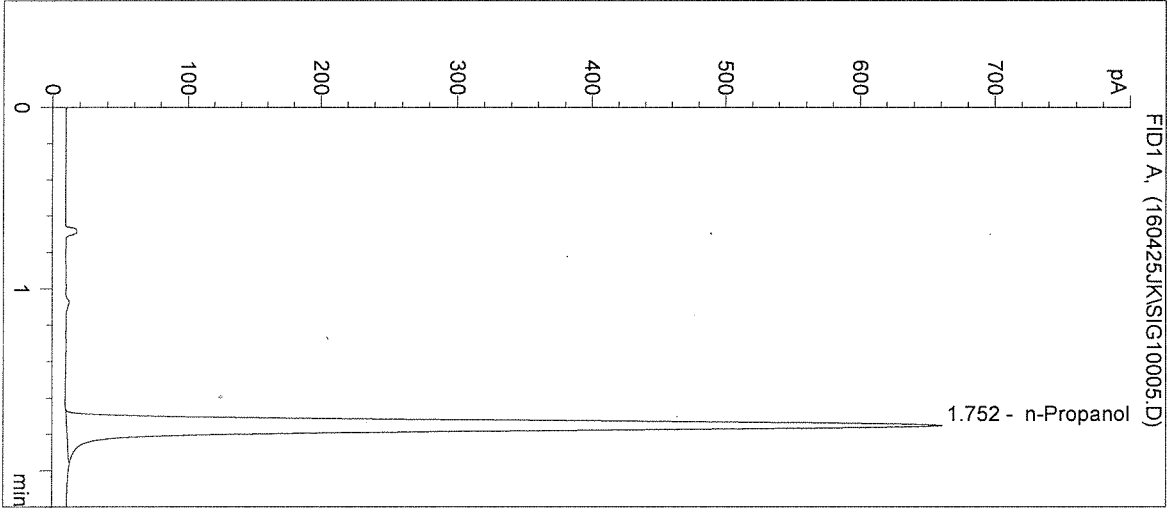
*JK*

*JK*

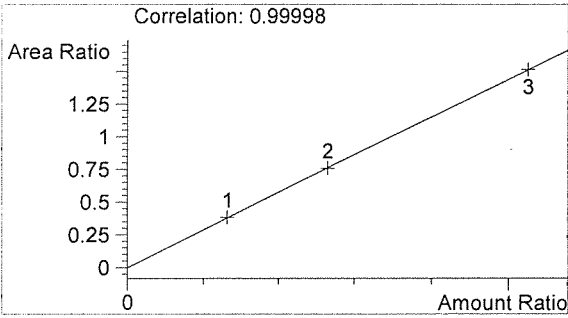


Inj. Date: 4/25/2016 12:09:34 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 16013

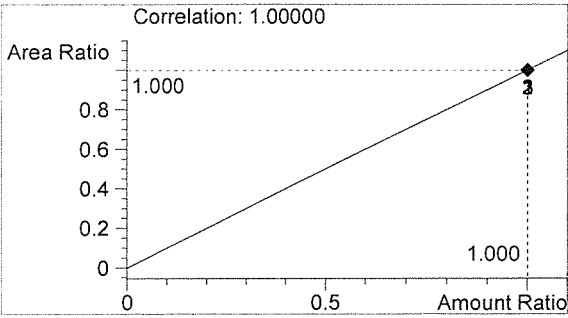
Sample Name: NEG CTRL  
 Operator: Justin Knoy  
 Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2551	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

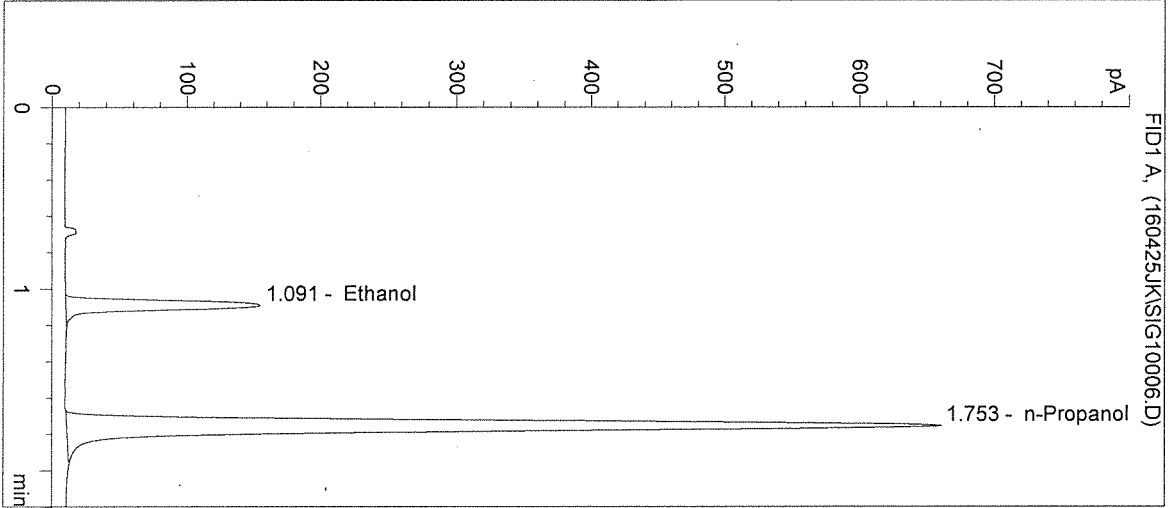
*JK*

*JK*

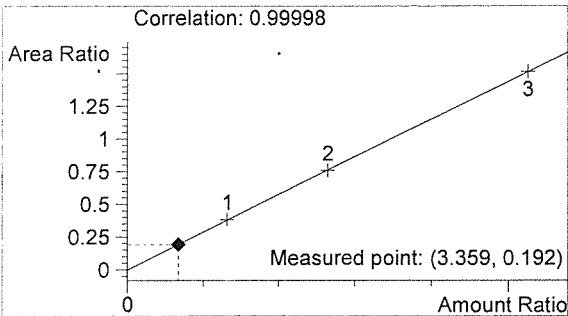
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 12:12:47 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 16013

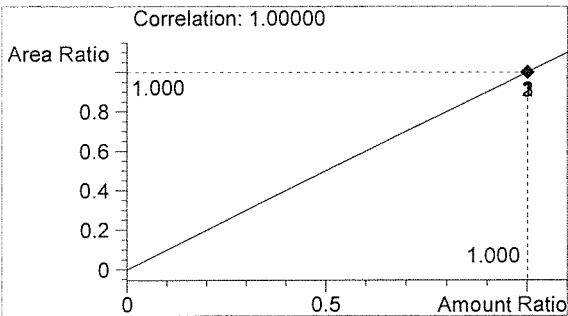
Sample Name: 0.04 CTRL  
 Operator: Justin Knoy  
 Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	491	1.091
2	n-Propanol	2553	1.753



Ethanol 0.040 g/100mL



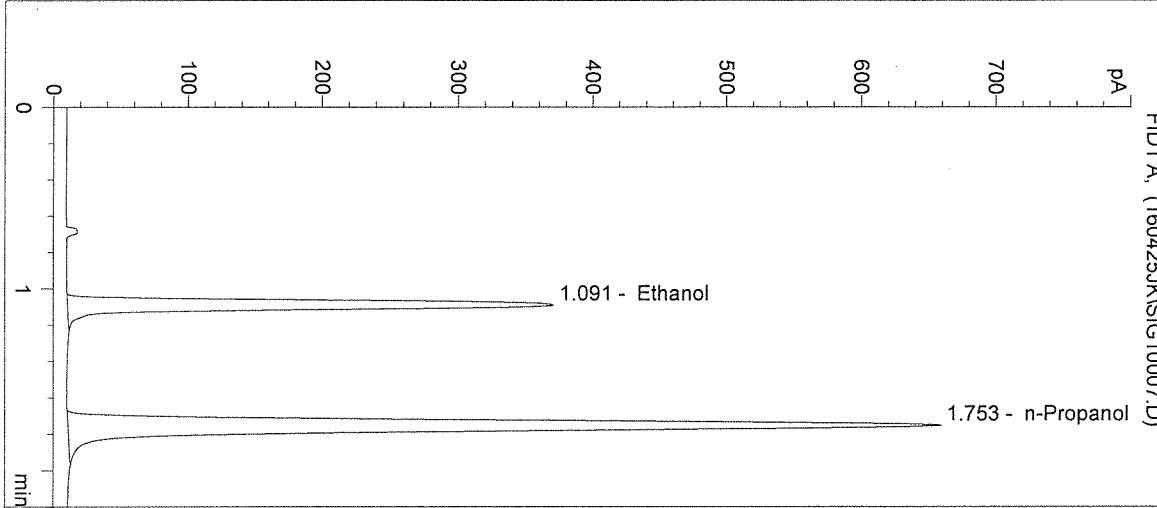
n-Propanol 0.012 g/100mL

*Handwritten signature*

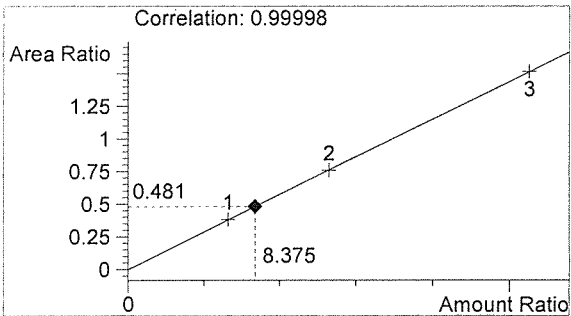
*Handwritten signature*

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2203 Airport Way S Seattle, WA 98134

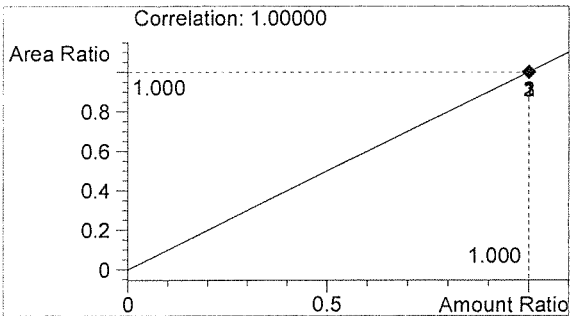
Inj. Date: 4/25/2016 12:16:01 PM      Sample Name: 0.10 CTRL  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 7  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1229	1.091
2	n-Propanol	2554	1.753



Ethanol      0.101 g/100mL



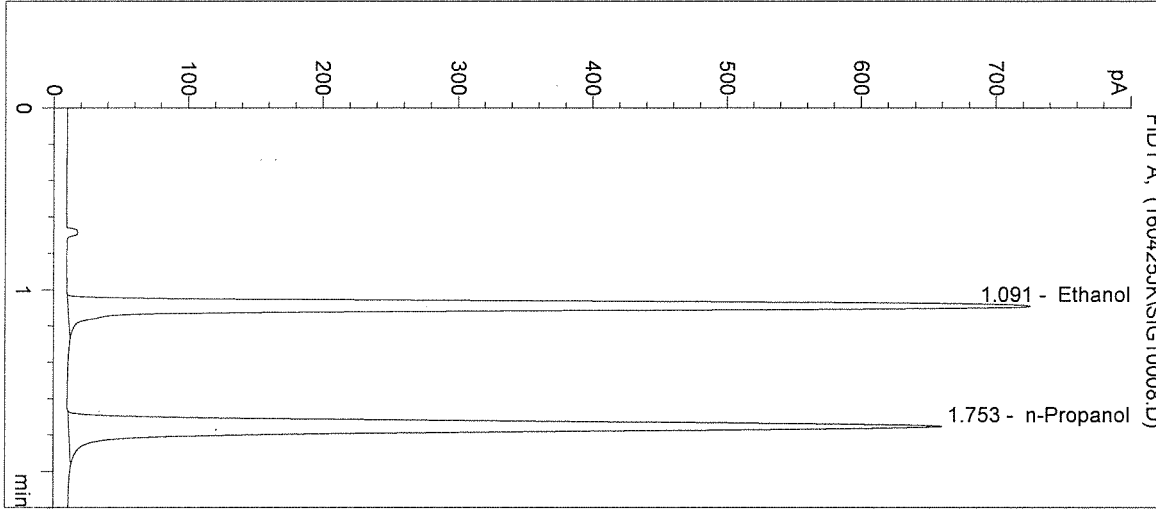
n-Propanol      0.012 g/100mL

*JTC*

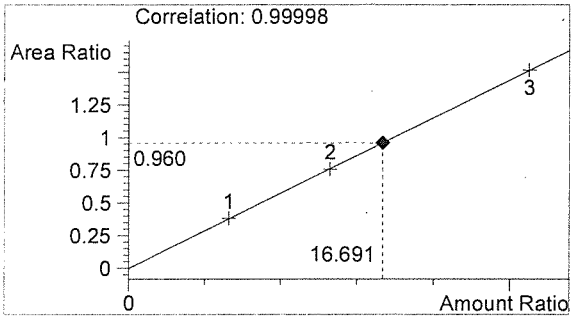
*JTC*

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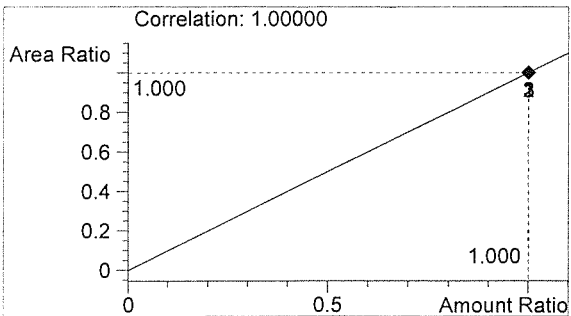
Inj. Date: 4/25/2016 12:19:14 PM      Sample Name: 0.20 CTRL  
 Instrument: HSGC#1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 8  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	2446	1.091
2	n-Propanol	2548	1.753



Ethanol      0.200 g/100mL



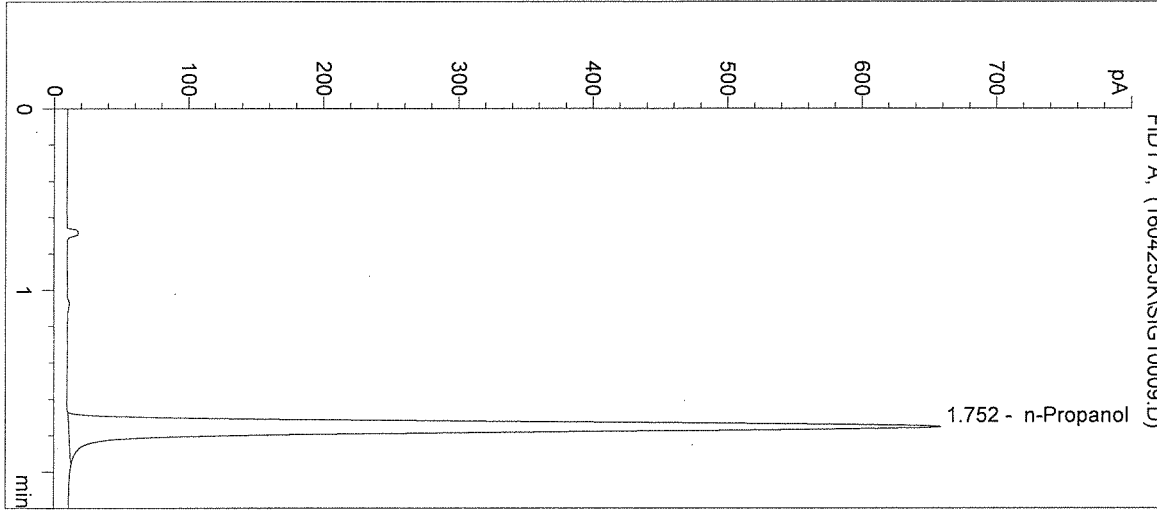
n-Propanol      0.012 g/100mL

*Handwritten signature*

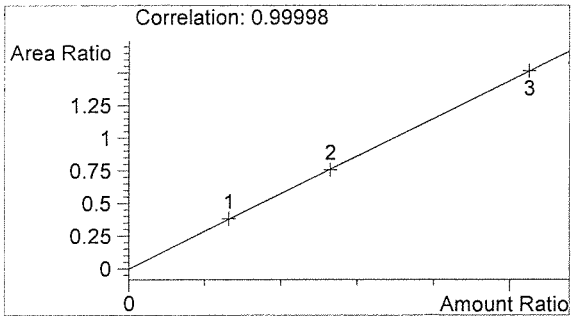
*Handwritten initials*

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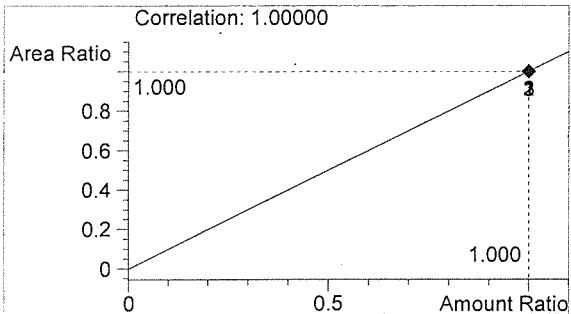
Inj. Date: 4/25/2016 12:22:27 PM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 9  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2542	1.752



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*fr*

*JV*

Inj. Date: 4/25/2016 12:25:41 PM

Sample Name: 16013-1

Instrument: HSGC#1

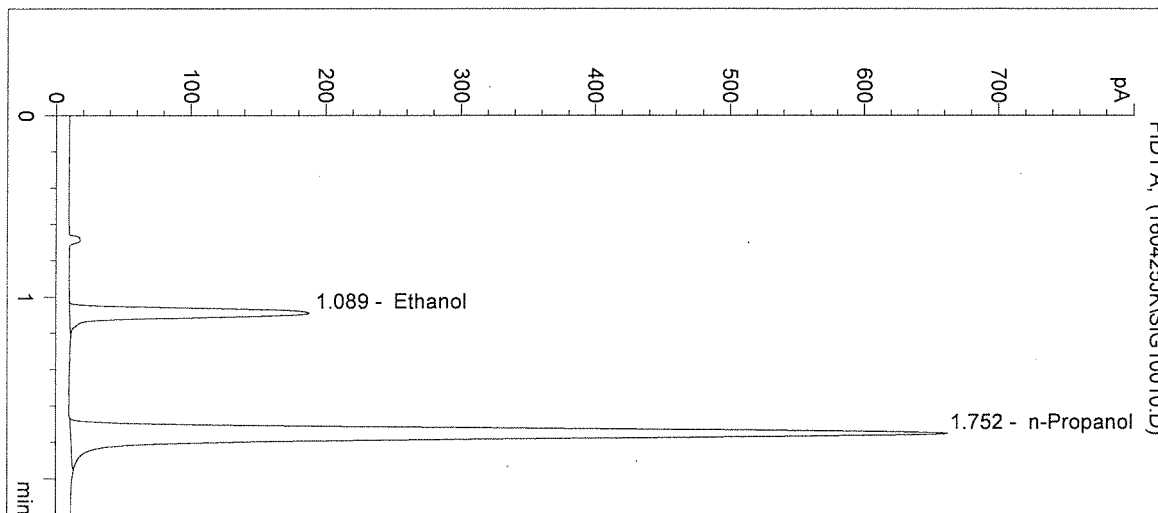
Operator: Justin Knoy

Column: DB-ALC1

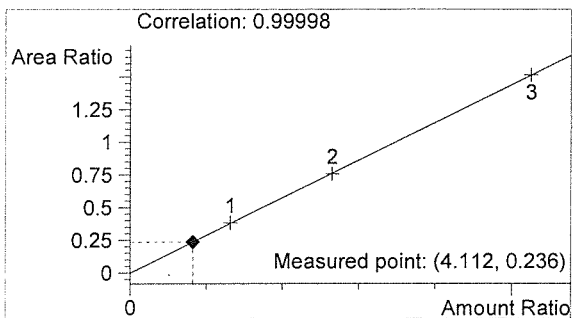
Location: Vial 10

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

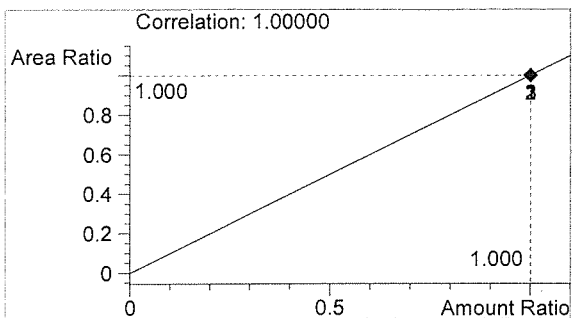
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	602	1.089
2	n-Propanol	2556	1.752



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Inj. Date: 4/25/2016 12:28:54 PM

Sample Name: 16013-2

Instrument: HSGC#1

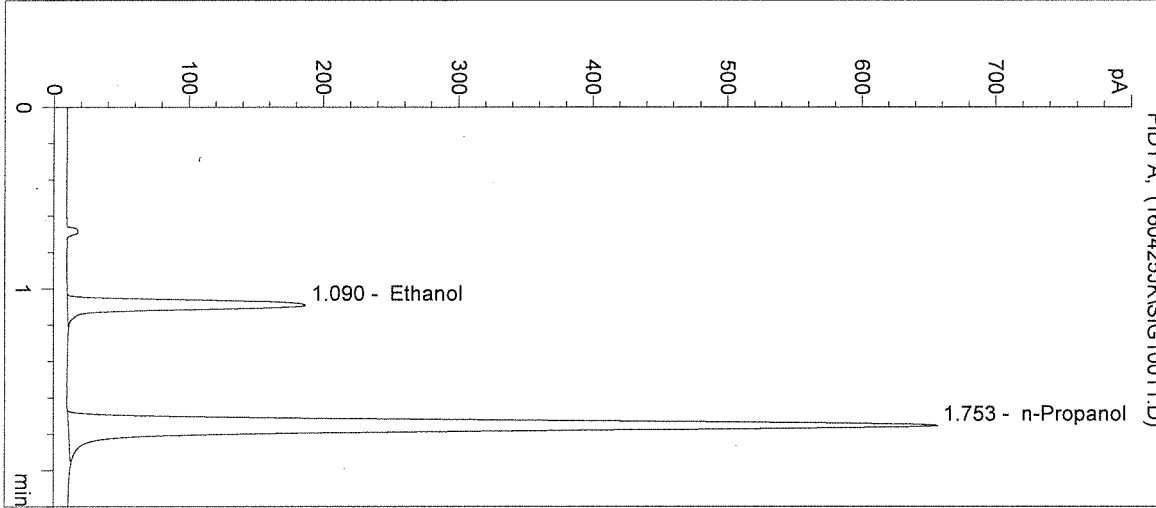
Operator: Justin Knoy

Column: DB-ALC1

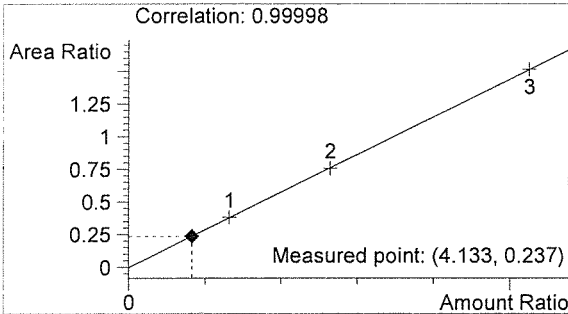
Location: Vial 11

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

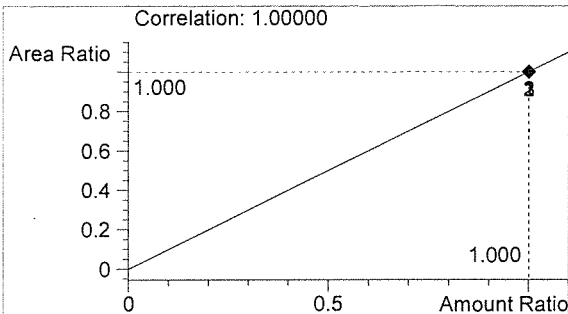
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	603	1.090
2	n-Propanol	2547	1.753



Ethanol 0.050 g/100mL

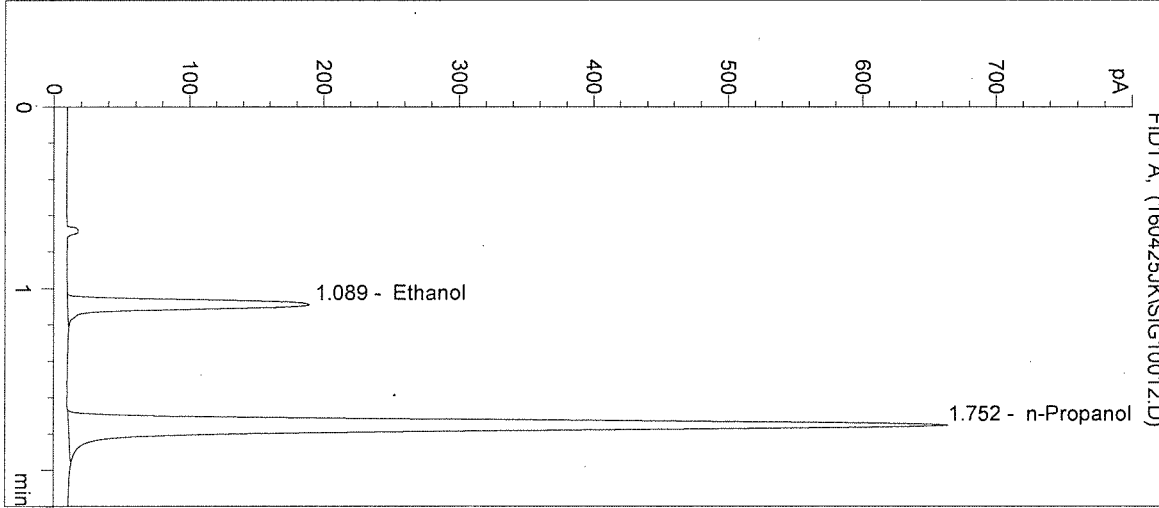


n-Propanol 0.012 g/100mL

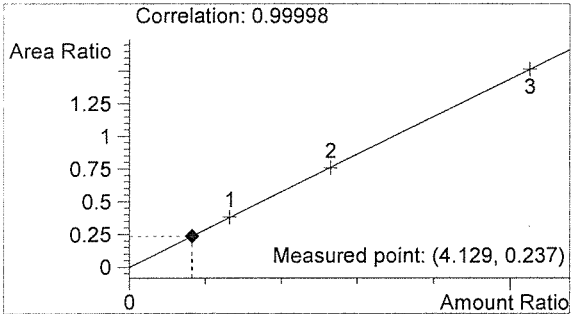
*Handwritten signature*

*Handwritten initials JK*

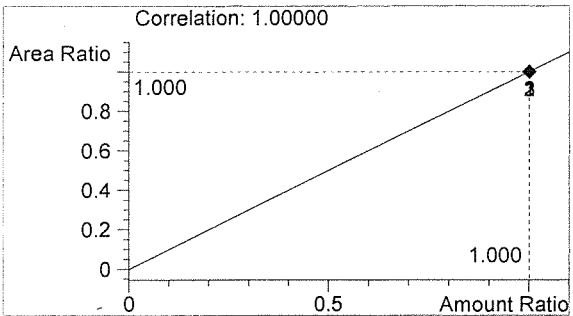
Inj. Date: 4/25/2016 12:32:07 PM      Sample Name: 16013-3  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 12  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	607	1.089
2	n-Propanol	2563	1.752



Ethanol      0.050 g/100mL



n-Propanol      0.012 g/100mL

*JL*

*JL*



Inj. Date: 4/25/2016 12:35:21 PM

Sample Name: 16013-4

Instrument: HSGC#1

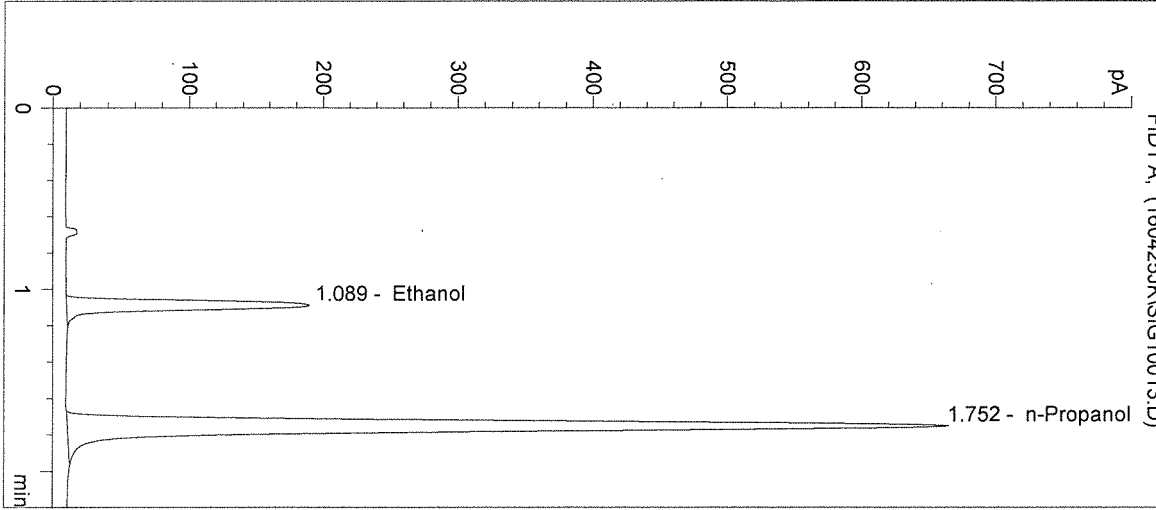
Operator: Justin Knoy

Column: DB-ALC1

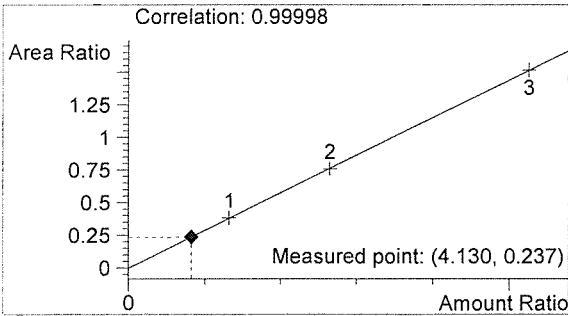
Location: Vial 13

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

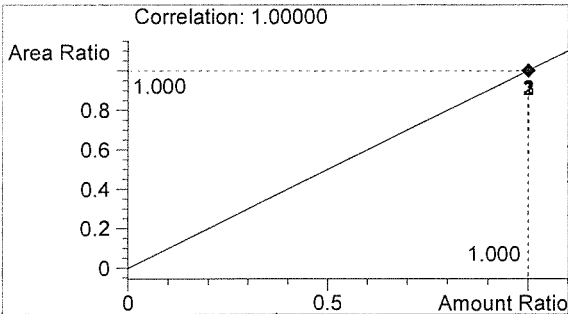
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	609	1.089
2	n-Propanol	2574	1.752



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 4/25/2016 12:38:34 PM

Sample Name: 16013-5

Instrument: HSGC#1

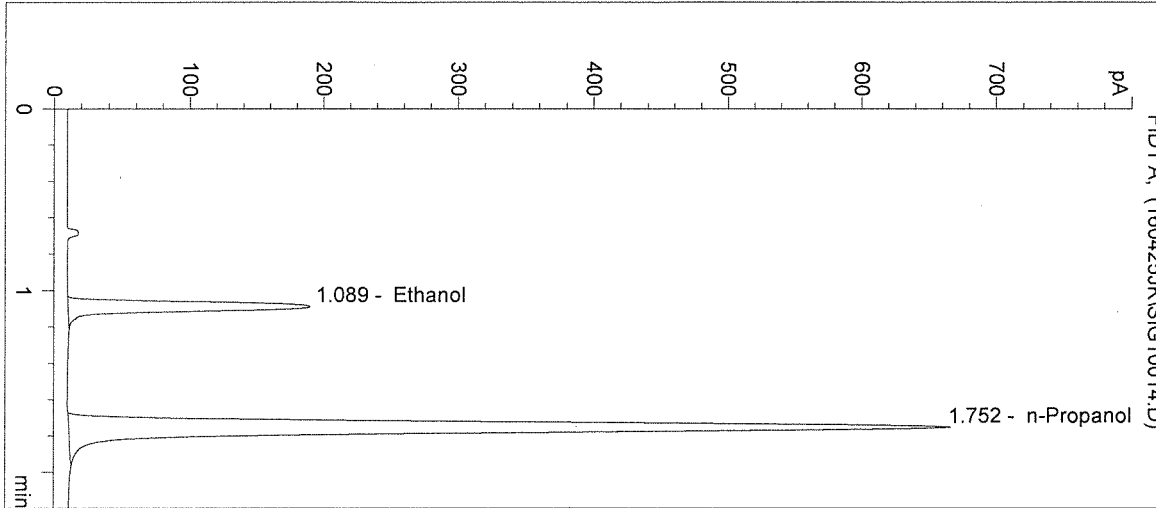
Operator: Justin Knoy

Column: DB-ALC1

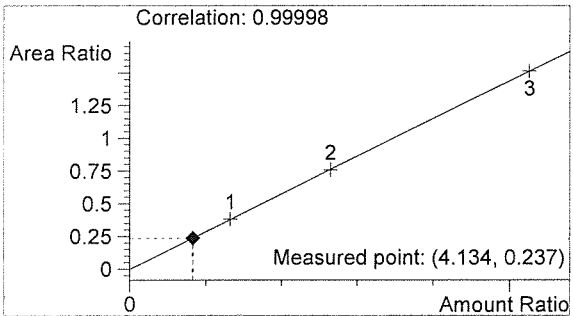
Location: Vial 14

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

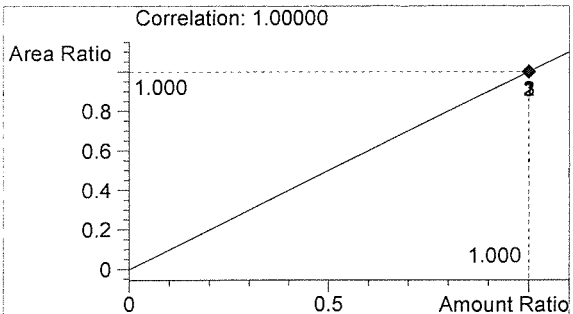
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.089
2	n-Propanol	2572	1.752



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*R*

*JK*

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

Inj. Date: 4/25/2016 12:41:47 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

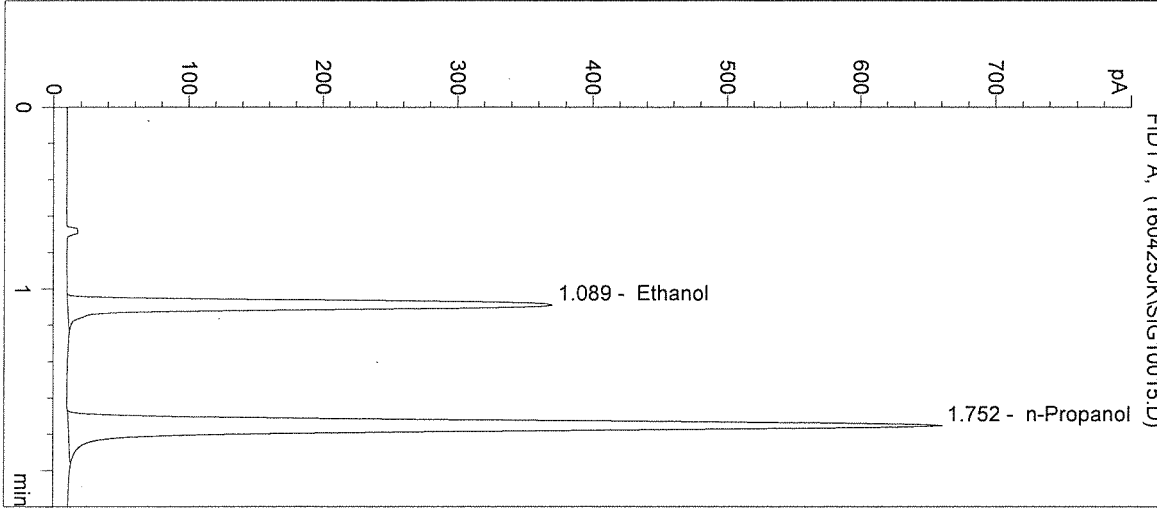
Operator: Justin Knoy

Column: DB-ALC1

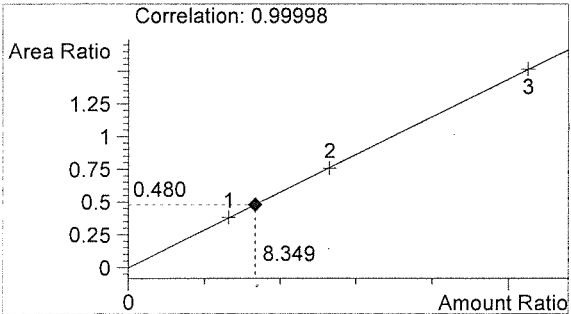
Location: Vial 15

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

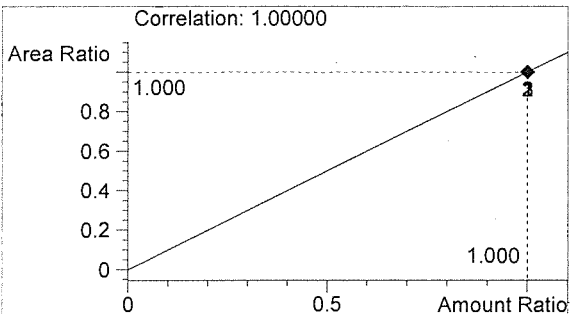
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1223	1.089
2	n-Propanol	2549	1.752



Ethanol 0.100 g/100mL

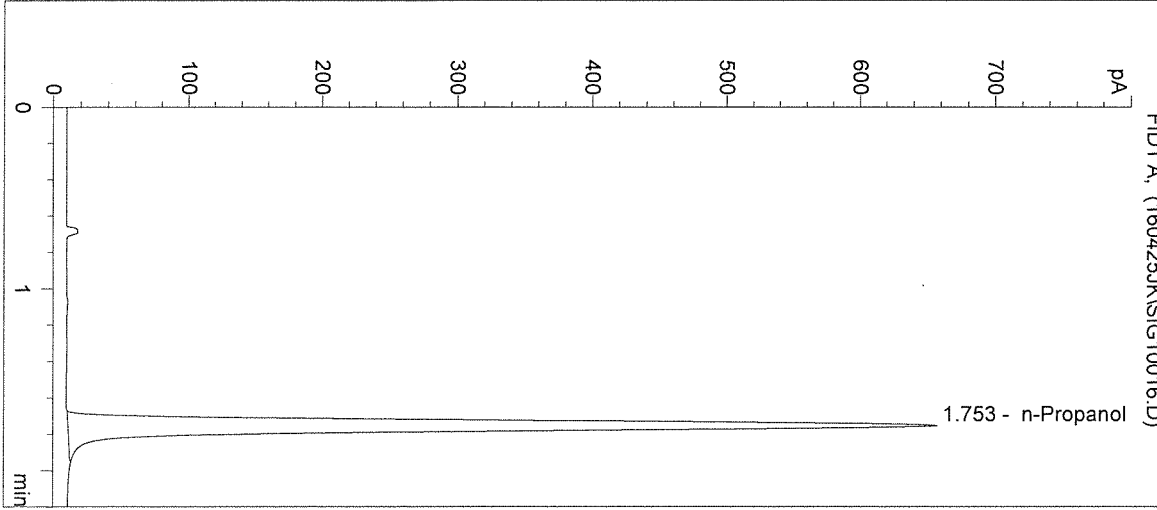


n-Propanol 0.012 g/100mL

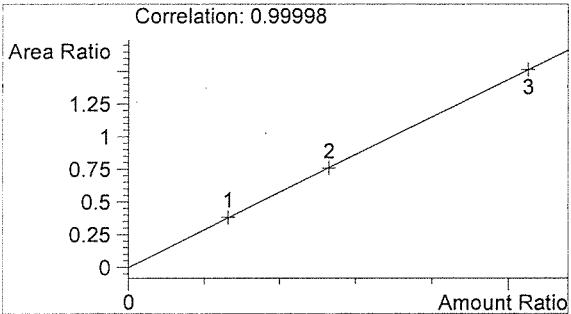
*JK*

*JK*

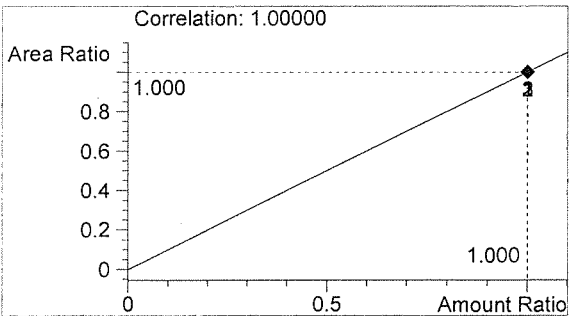
Inj. Date: 4/25/2016 12:45:00 PM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 16  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2541	1.753



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*fr*

*JZ*

Sequence Parameters:

Operator: Andrew Gingras  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 160428AG  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/1/2016  
 Ethanol Calibrator 2, E0416-02 - Exp. 10/1/2016  
 Ethanol Calibrator 3, E0416-03 - Exp. 10/1/2016  
 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#P0316 - Exp. 6/29/2016

Calibration, vials 1-9, filed with 16013

~~Calibration vials 1-9 filed with 14057~~

*AG*  
*4/28/16*

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	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16013 #1	SIMALC3	1	Sample		
11	Vial 11	16013 #2	SIMALC3	1	Sample		
12	Vial 12	16013 #3	SIMALC3	1	Sample		
13	Vial 13	16013 #4	SIMALC3	1	Sample		
14	Vial 14	16013 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16014 #1	SIMALC3	1	Sample		
18	Vial 18	16014 #2	SIMALC3	1	Sample		
19	Vial 19	16014 #3	SIMALC3	1	Sample		
20	Vial 20	16014 #4	SIMALC3	1	Sample		
21	Vial 21	16014 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16015 #1	SIMALC3	1	Sample		

16013  
*AG*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16015 #2	SIMALC3	1	Sample		
26	Vial 26	16015 #3	SIMALC3	1	Sample		
27	Vial 27	16015 #4	SIMALC3	1	Sample		
28	Vial 28	16015 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16016 #1	SIMALC3	1	Sample		
32	Vial 32	16016 #2	SIMALC3	1	Sample		
33	Vial 33	16016 #3	SIMALC3	1	Sample		
34	Vial 34	16016 #4	SIMALC3	1	Sample		
35	Vial 35	16016 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL	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	0.079 CAL 1	SIMALC3	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16013  
Jns/11/16

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

Calib. Data Modified : Thursday, April 28, 2016 8:19:06 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,

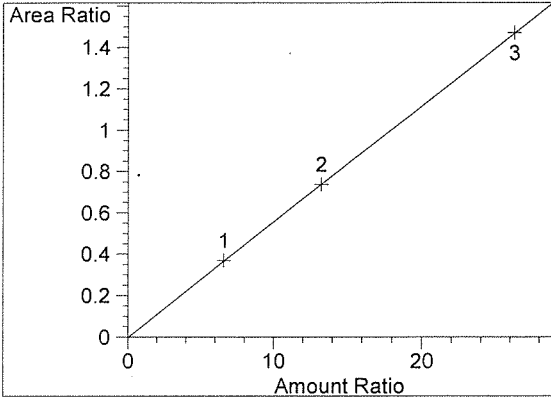
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.015	1 1	7.91100e-2	671.62708	1.17789e-4	1 Ethanol
	2	1.59090e-1	1240.81653	1.28214e-4	
	3	3.15200e-1	2664.86523	1.18280e-4	
1.739	1 1	1.20000e-2	1827.30554	6.56705e-6	II n-Propanol
	2	1.20000e-2	1682.24207	7.13334e-6	
	3	1.20000e-2	1811.93701	6.62275e-6	

16013  
Jus/5/16

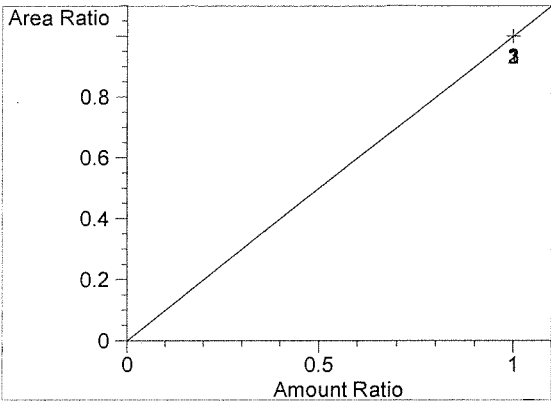
=====  
Peak Sum Table  
=====

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

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



Ethanol at exp. RT: 1.015  
FID1 A,  
Correlation: 0.99999  
Residual Std. Dev.: 0.00272  
Formula:  $y = mx + b$   
m: 5.59912e-2  
b: -1.56301e-3  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.739  
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

=====  
16013

*fu 45116*



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2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:07:01 AM

Sample Name: BLANK

Instrument: HSGC#3

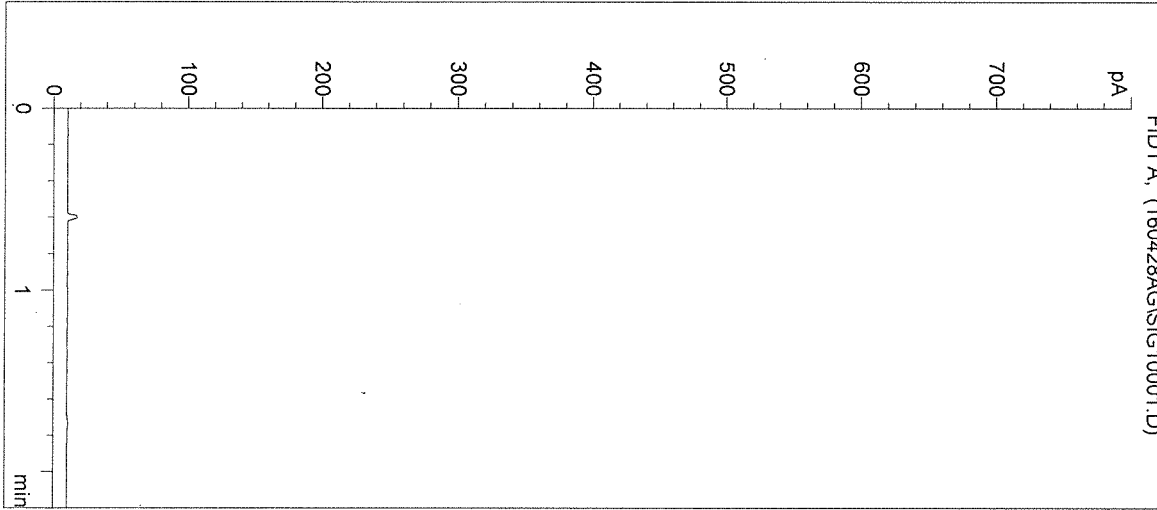
Operator: Andrew Gingras

Column: DB-ALC2

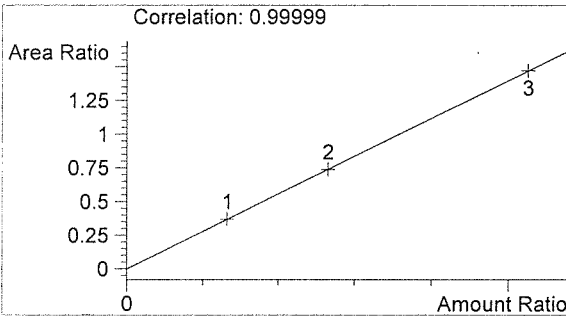
Location: Vial 1

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

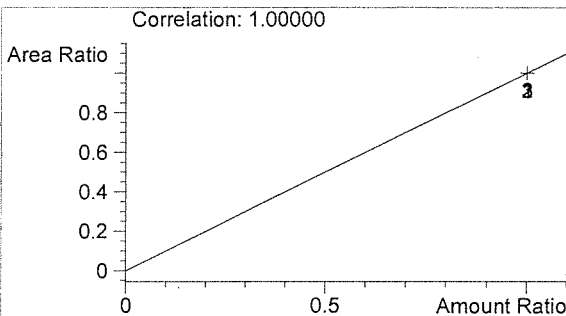
Sample Info: 16013



#	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

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:10:20 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#3

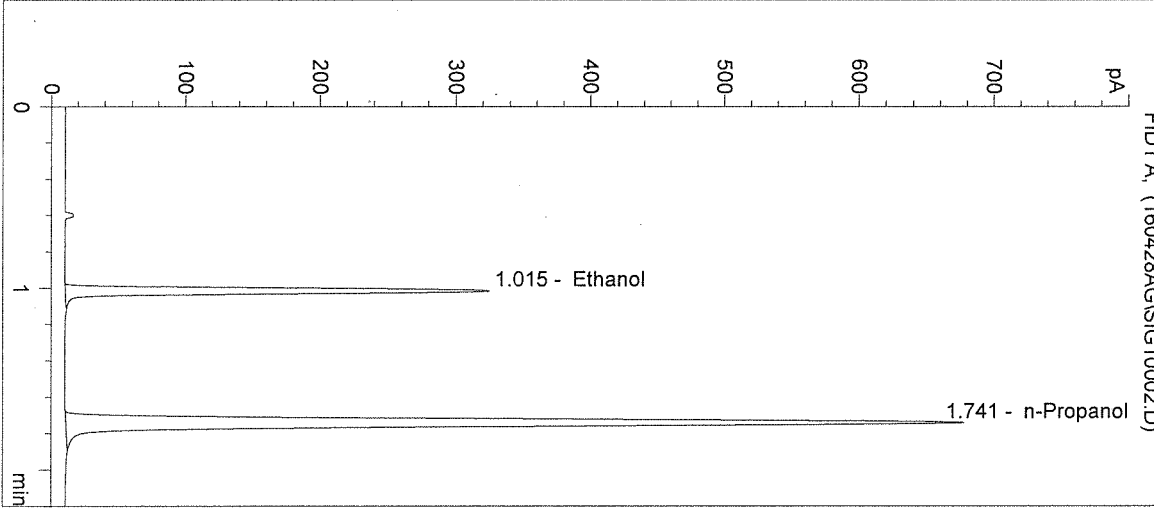
Operator: Andrew Gingras

Column: DB-ALC2

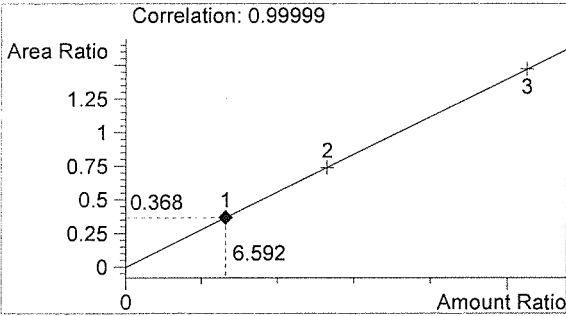
Location: Vial 2

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

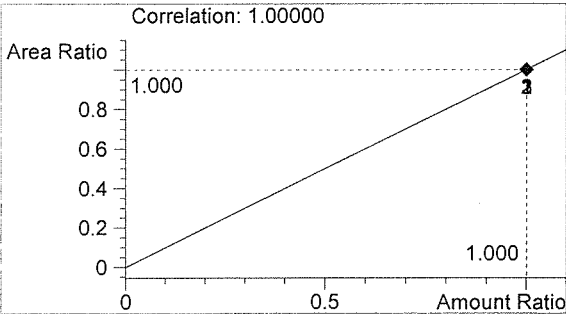
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	672	1.015
2	n-Propanol	1827	1.741



Ethanol 0.079 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: 4/28/2016 8:13:37 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#3

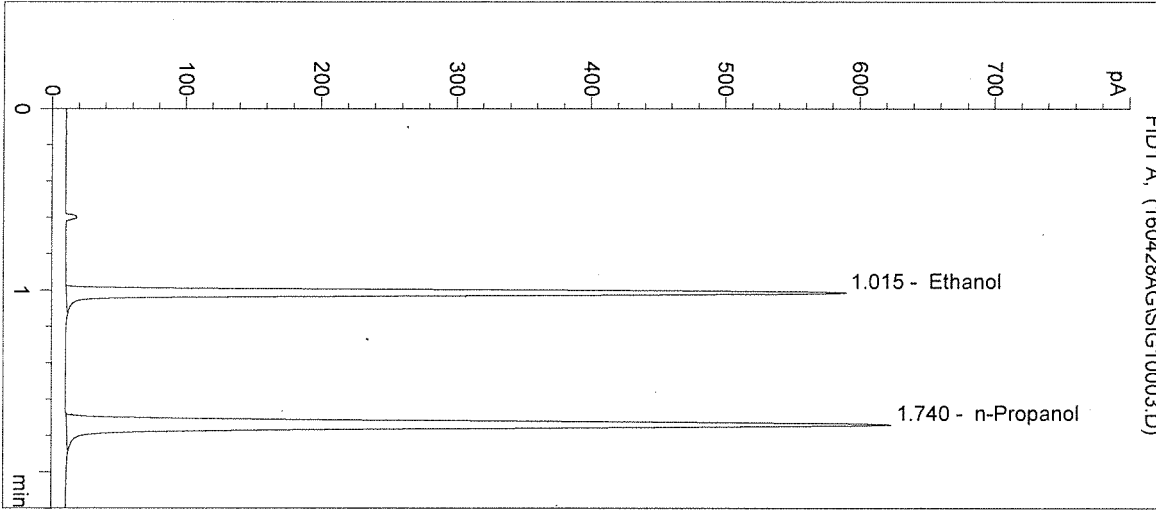
Operator: Andrew Gingras

Column: DB-ALC2

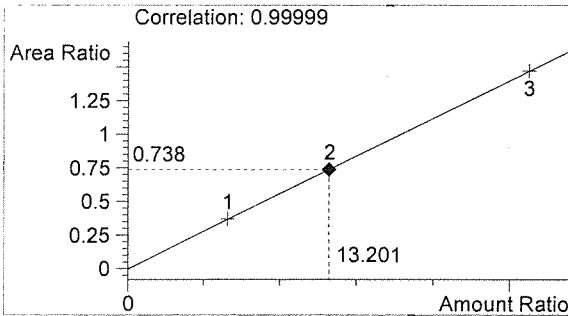
Location: Vial 3

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

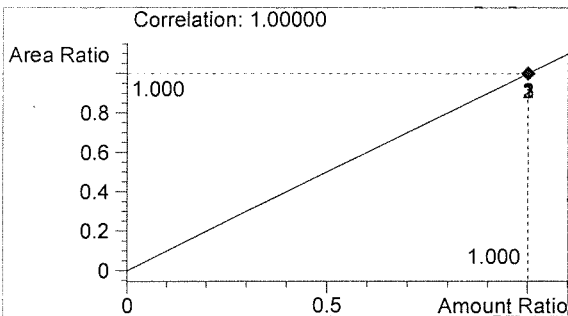
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1241	1.015
2	n-Propanol	1682	1.740



Ethanol 0.158 g/100mL



n-Propanol 0.012 g/100mL

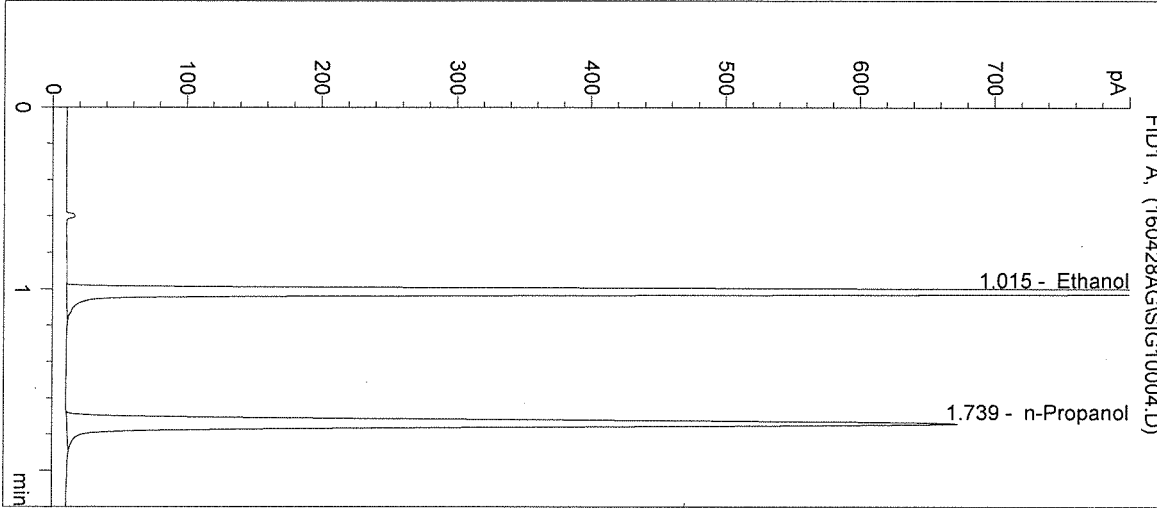
*fr*

*AB*

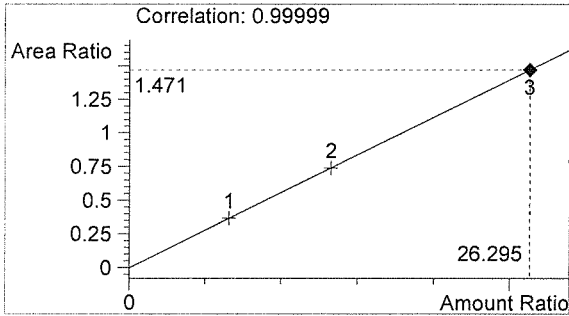
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:16:54 AM  
Instrument: HSGC#3  
Column: DB-ALC2  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 16013

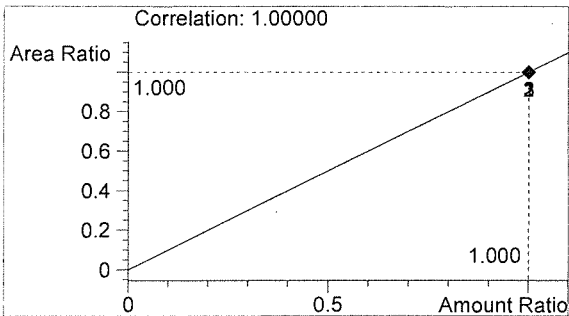
Sample Name: 0.316 CAL 3  
Operator: Andrew Gingras  
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2665	1.015
2	n-Propanol	1812	1.739



Ethanol 0.316 g/100mL



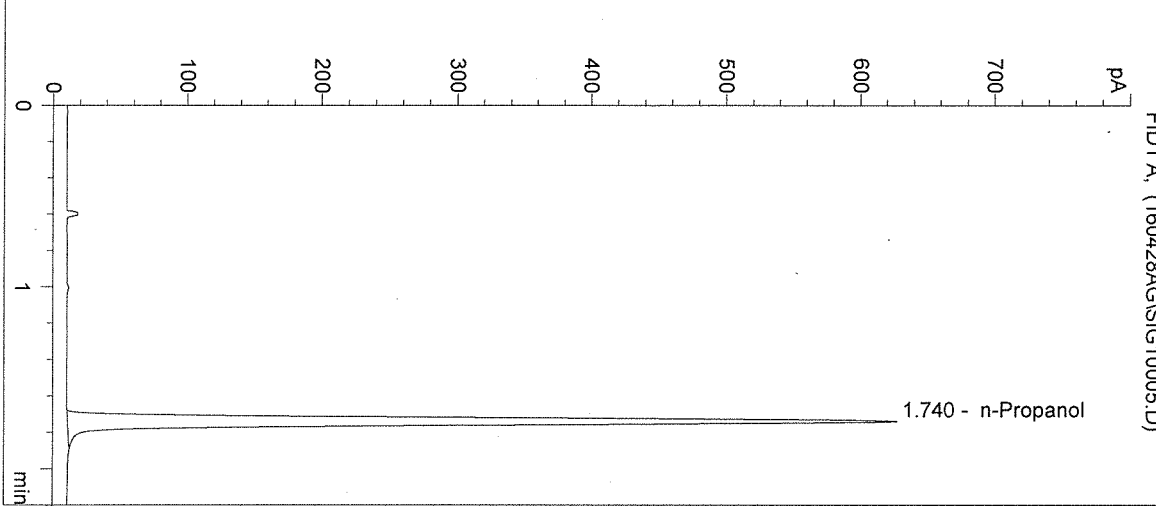
n-Propanol 0.012 g/100mL

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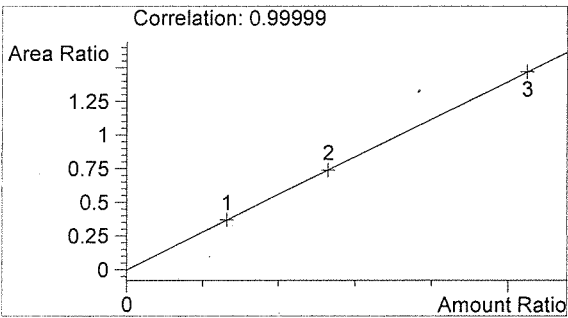
*Handwritten signature/initials*

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2203 Airport Way S Seattle, WA 98134

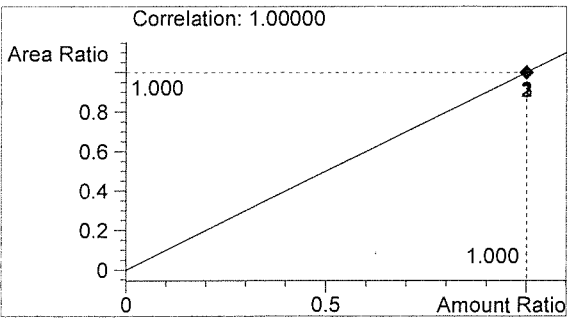
Inj. Date: 4/28/2016 8:20:07 AM      Sample Name: NEG CTRL  
Instrument: HSGC#3      Operator: Andrew Gingras  
Column: DB-ALC2      Location: Vial 5  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1690	1.740



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:23:20 AM

Sample Name: 0.04 CTRL

Instrument: HSGC#3

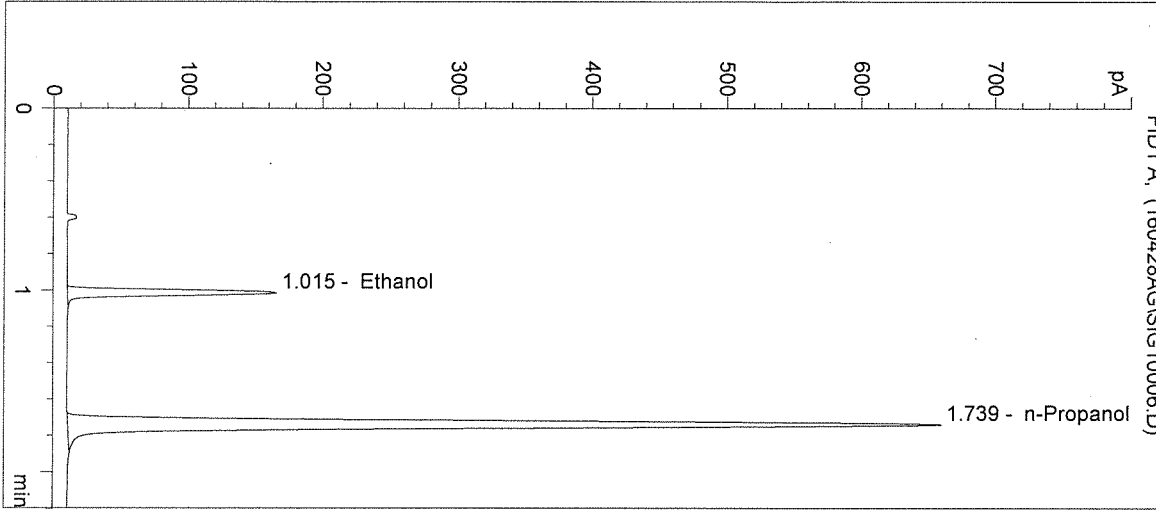
Operator: Andrew Gingras

Column: DB-ALC2

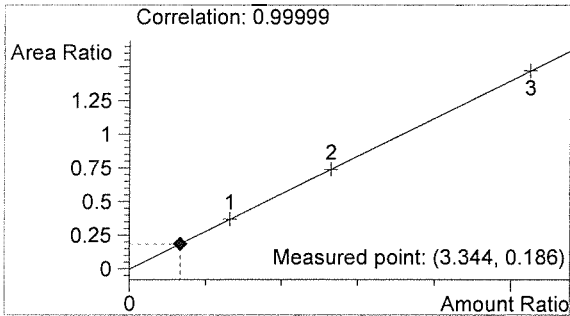
Location: Vial 6

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

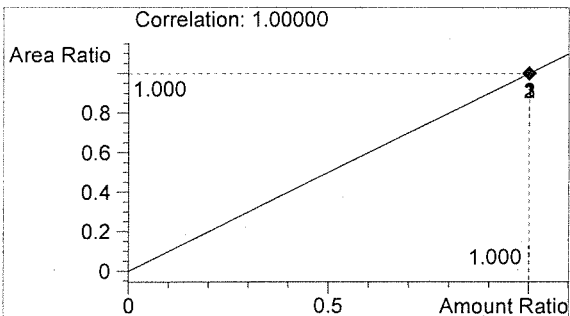
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	330	1.015
2	n-Propanol	1779	1.739



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:26:34 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#3

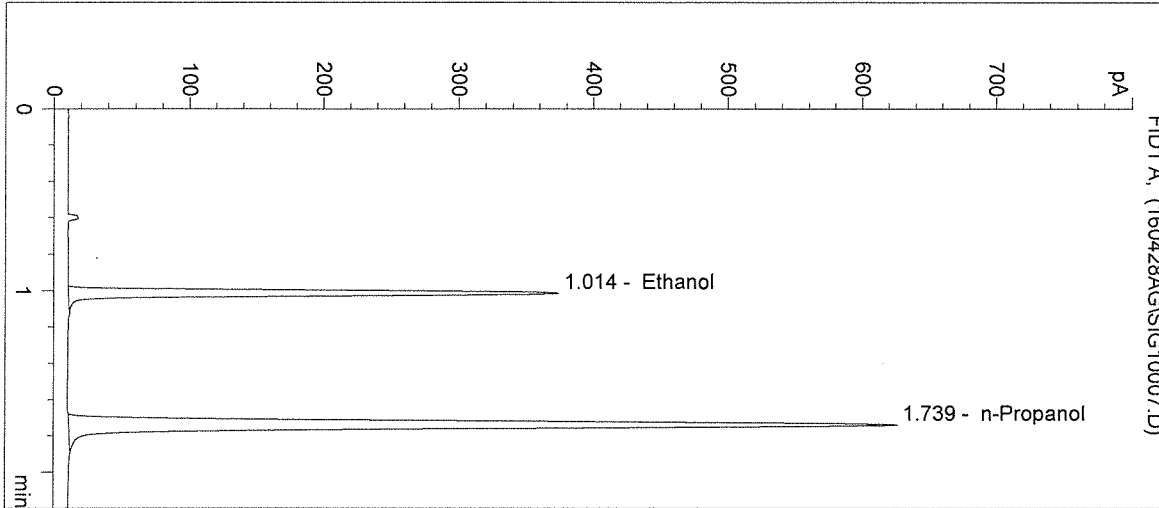
Operator: Andrew Gingras

Column: DB-ALC2

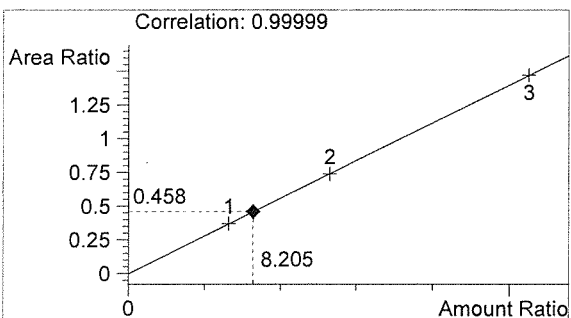
Location: Vial 7

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

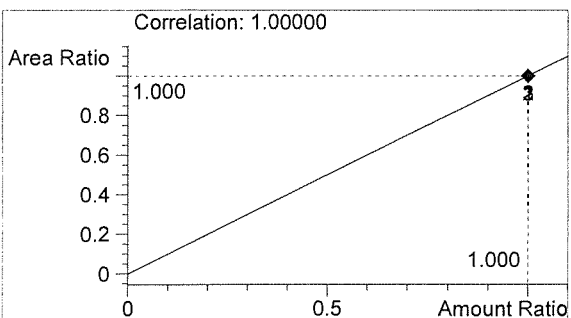
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	774	1.014
2	n-Propanol	1690	1.739



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:29:48 AM

Sample Name: 0.20 CTRL

Instrument: HSGC#3

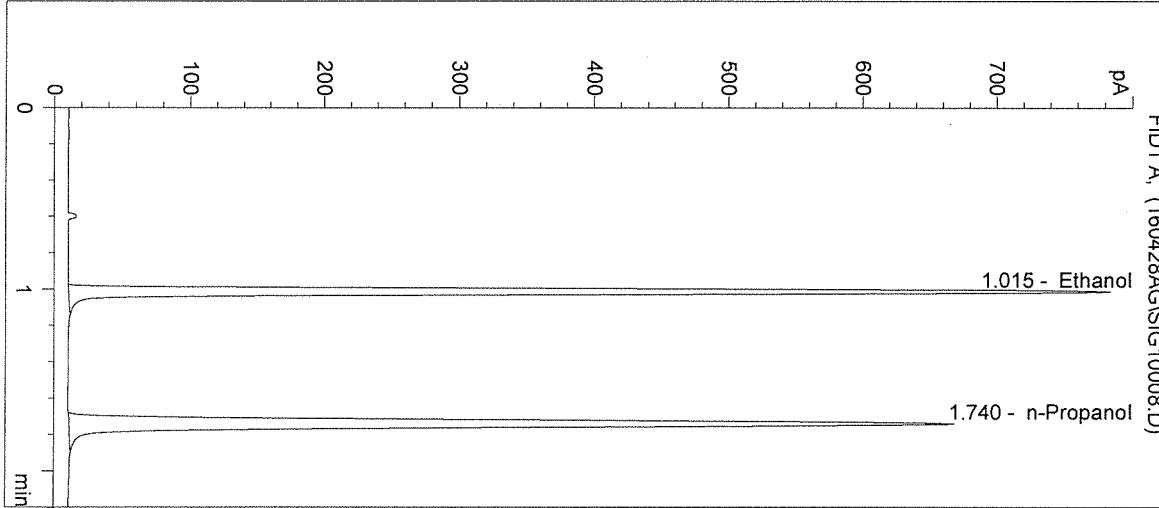
Operator: Andrew Gingras

Column: DB-ALC2

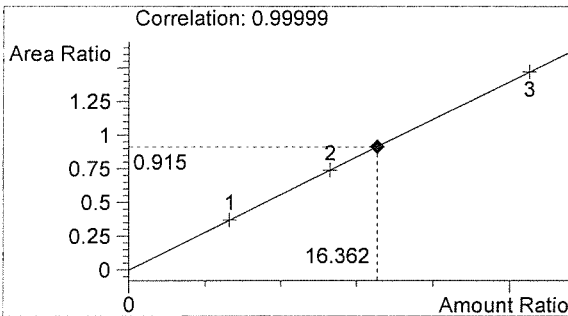
Location: Vial 8

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

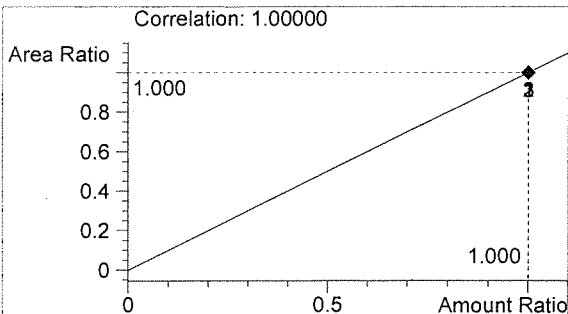
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1643	1.015
2	n-Propanol	1797	1.740



Ethanol 0.196 g/100mL



n-Propanol 0.012 g/100mL

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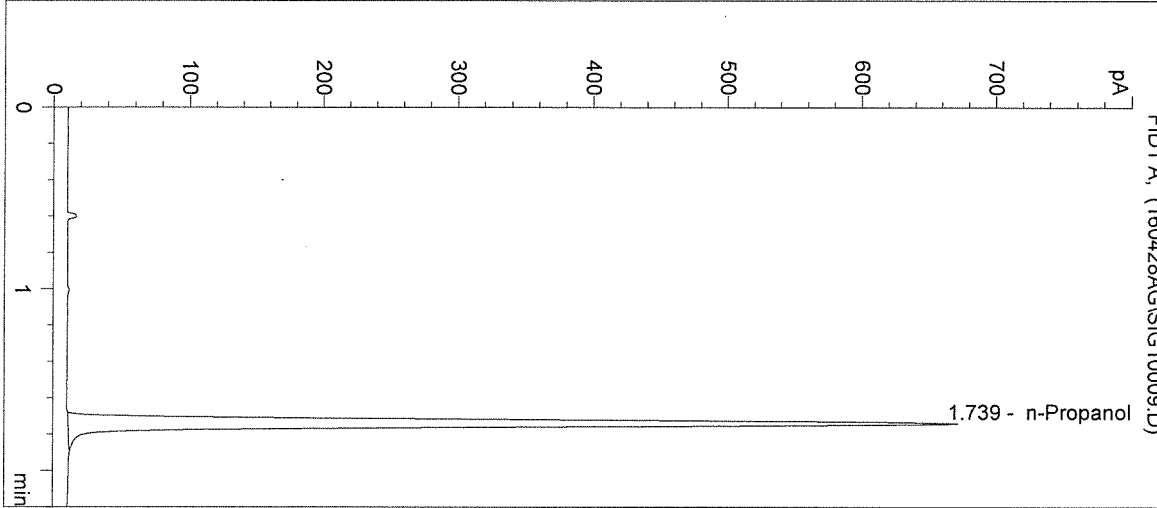
*Handwritten signature*



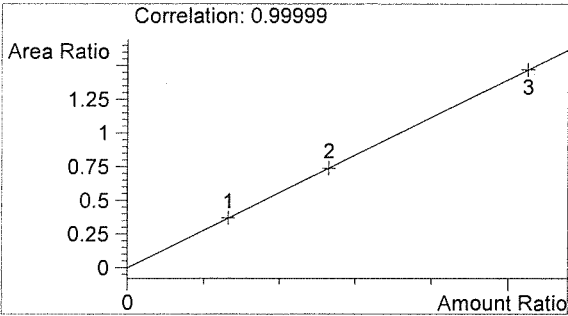
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:33:01 AM  
Instrument: HSGC#3  
Column: DB-ALC2  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 16013

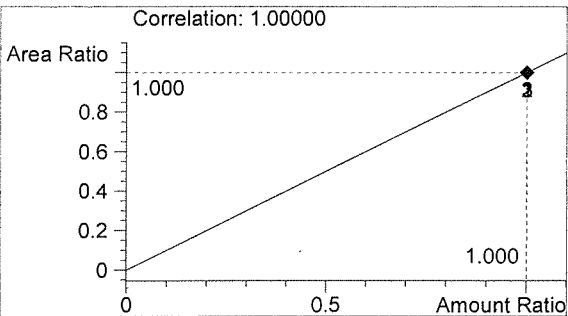
Sample Name: NEG CTRL  
Operator: Andrew Gingras  
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1810	1.739



Ethanol 0.000 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: 4/28/2016 8:36:14 AM

Sample Name: 16013 #1

Instrument: HSGC#3

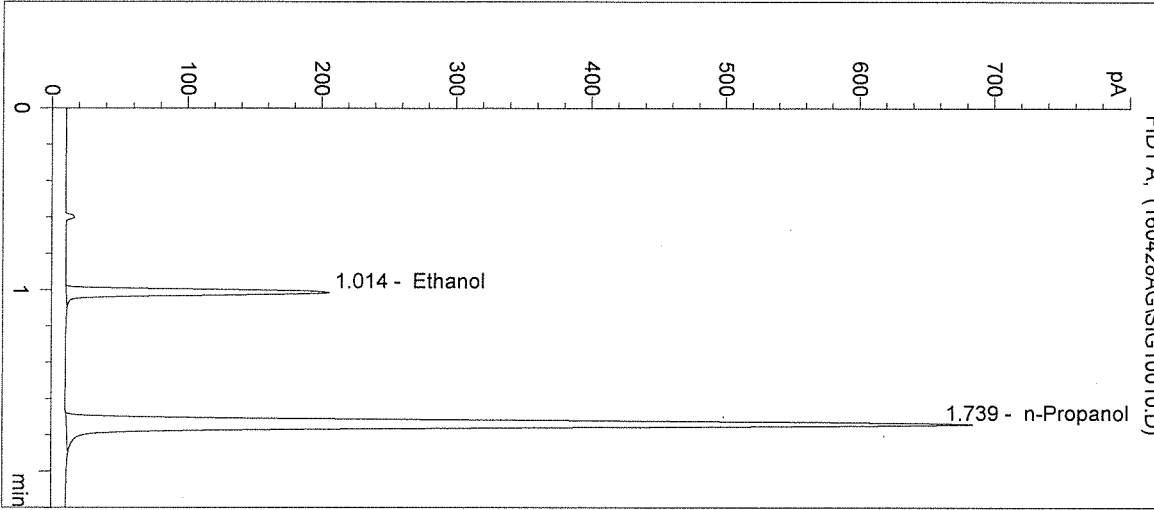
Operator: Andrew Gingras

Column: DB-ALC2

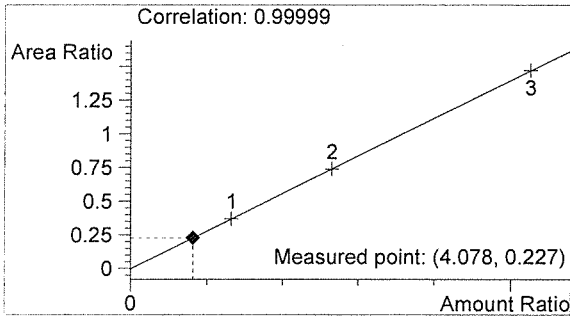
Location: Vial 10

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

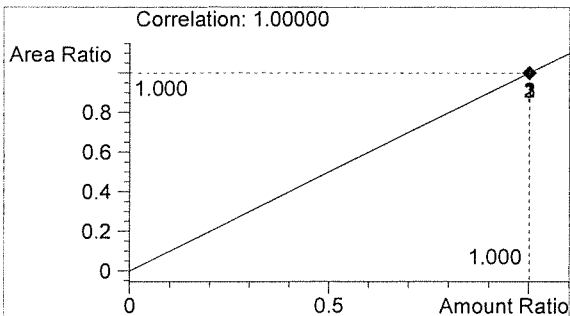
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	419	1.014
2	n-Propanol	1847	1.739



Ethanol 0.049 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: 4/28/2016 8:39:27 AM

Sample Name: 16013 #2

Instrument: HSGC#3

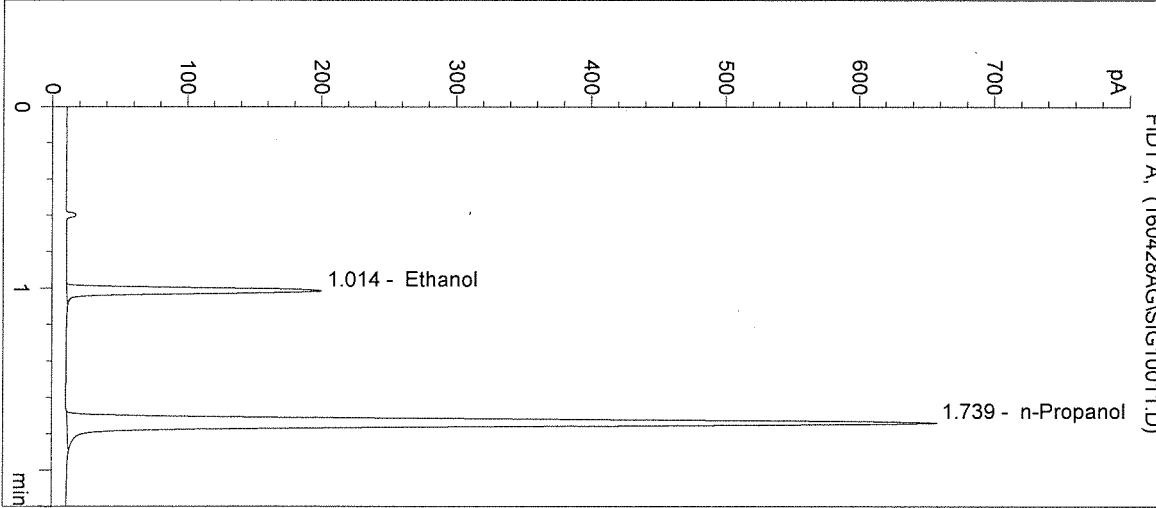
Operator: Andrew Gingras

Column: DB-ALC2

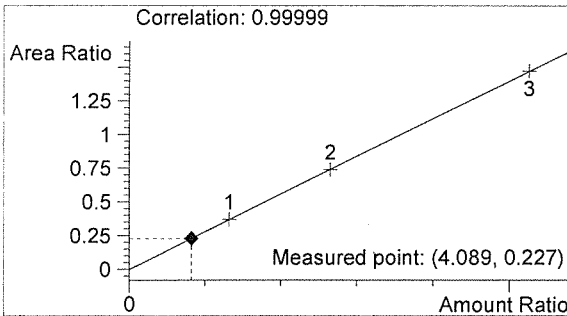
Location: Vial 11

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

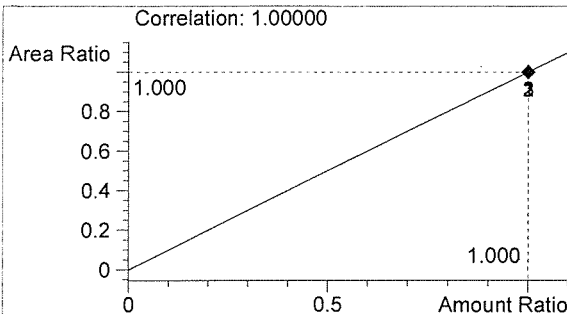
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	404	1.014
2	n-Propanol	1775	1.739



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 4/28/2016 8:42:41 AM

Sample Name: 16013 #3

Instrument: HSGC#3

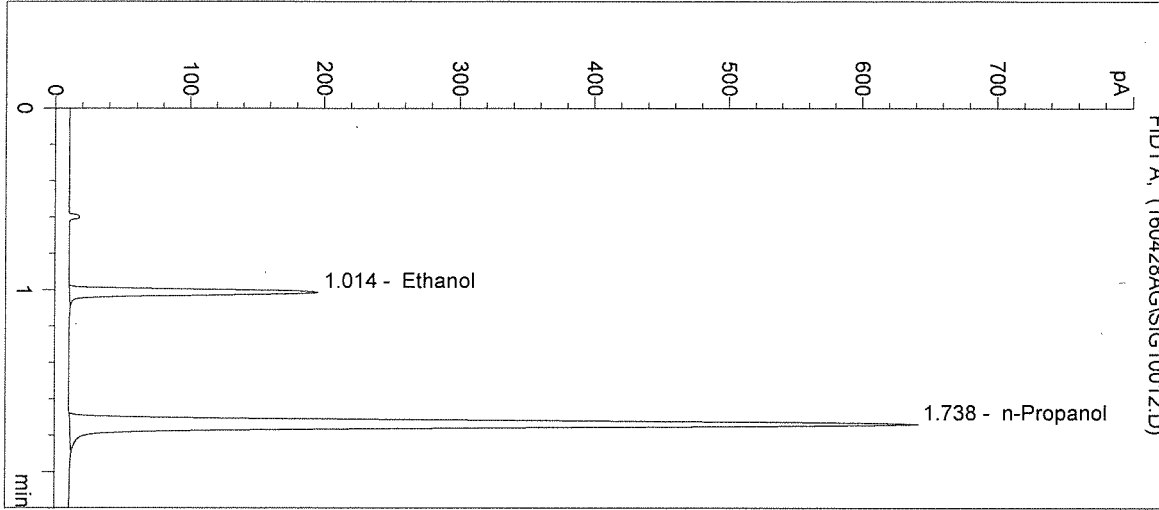
Operator: Andrew Gingras

Column: DB-ALC2

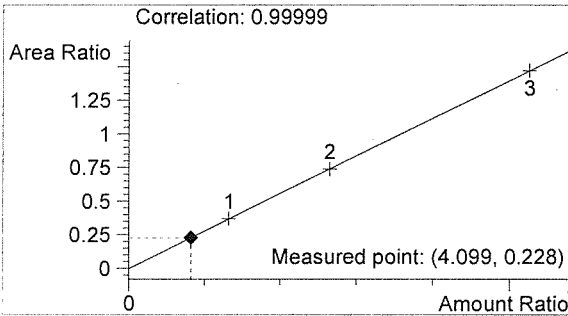
Location: Vial 12

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

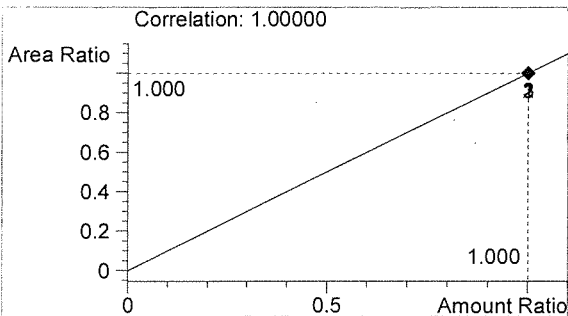
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	395	1.014
2	n-Propanol	1733	1.738



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

*AG*

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

Inj. Date: 4/28/2016 8:45:54 AM

Sample Name: 16013 #4

Instrument: HSGC#3

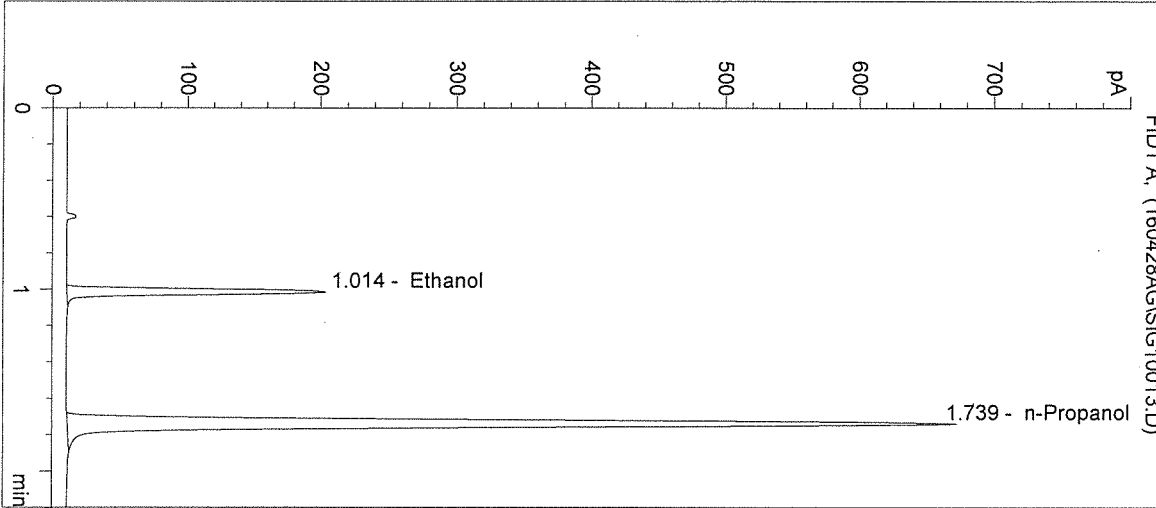
Operator: Andrew Gingras

Column: DB-ALC2

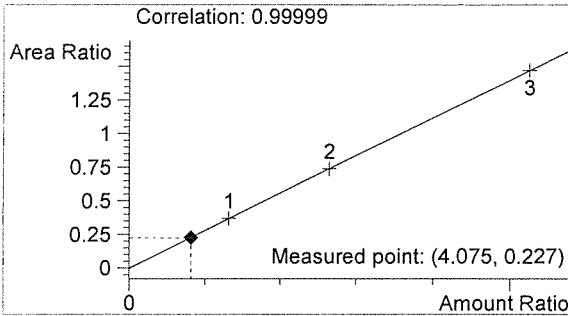
Location: Vial 13

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

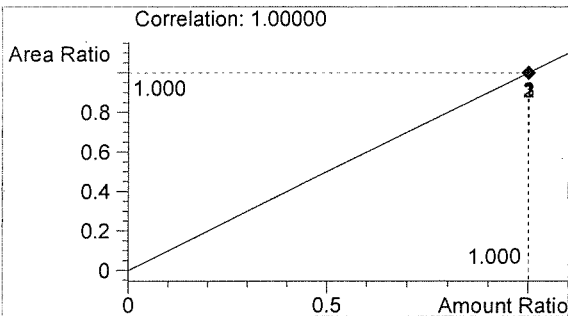
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	410	1.014
2	n-Propanol	1807	1.739



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:49:07 AM

Sample Name: 16013 #5

Instrument: HSGC#3

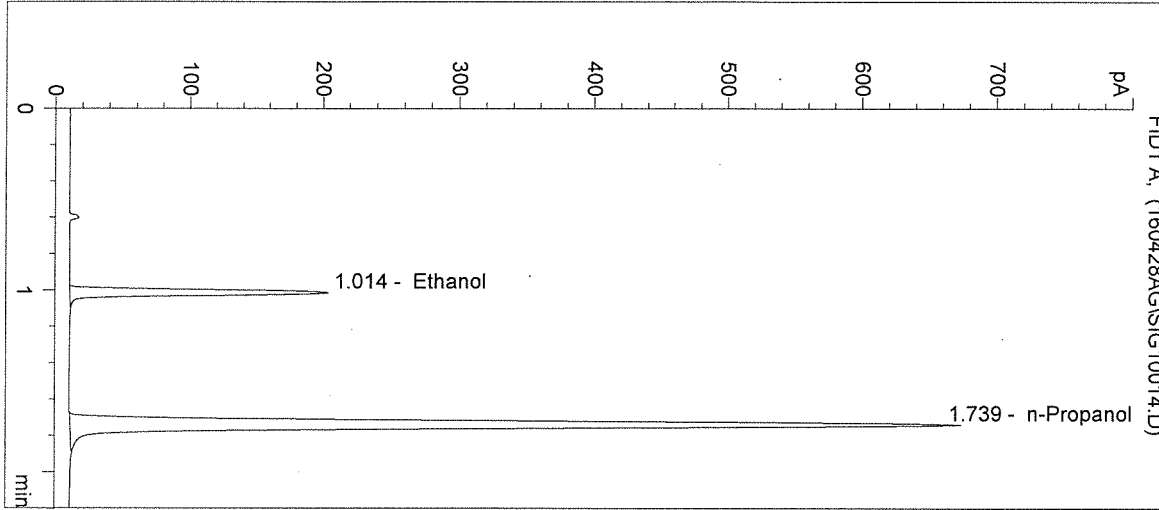
Operator: Andrew Gingras

Column: DB-ALC2

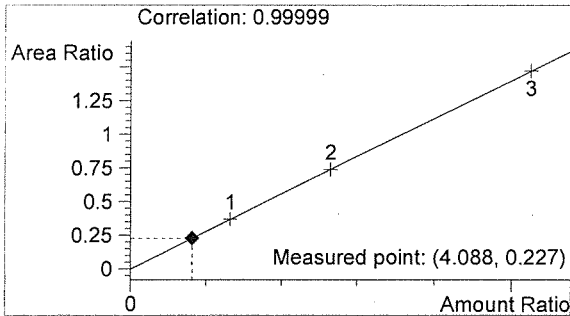
Location: Vial 14

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

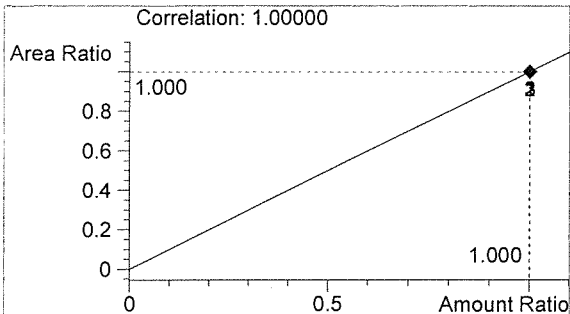
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	412	1.014
2	n-Propanol	1814	1.739



Ethanol 0.049 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: 4/28/2016 8:52:21 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#3

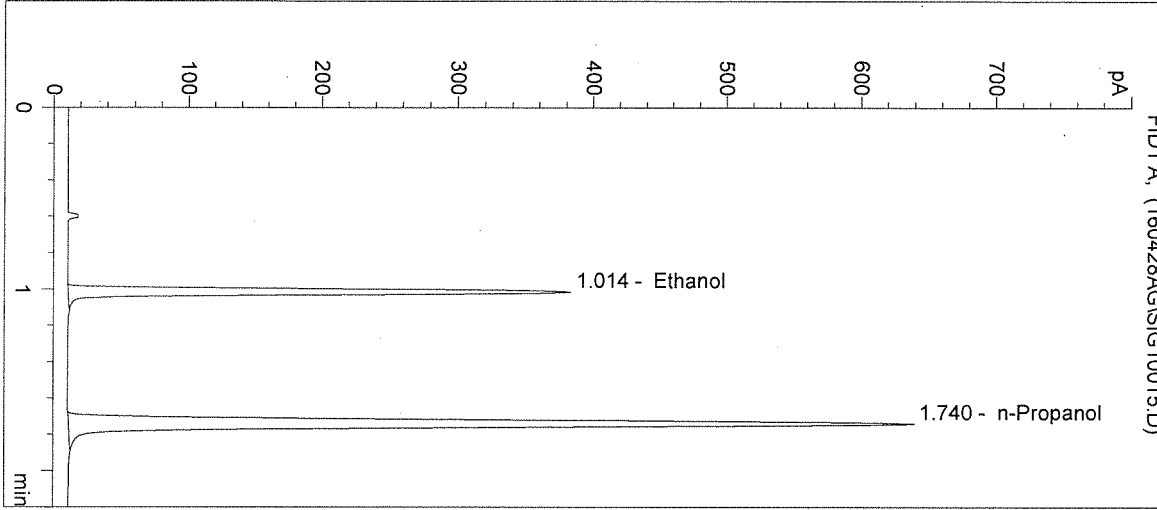
Operator: Andrew Gingras

Column: DB-ALC2

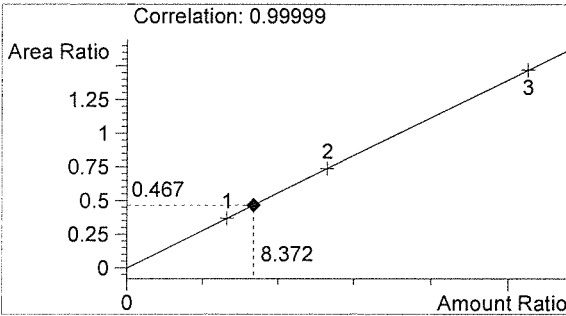
Location: Vial 15

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

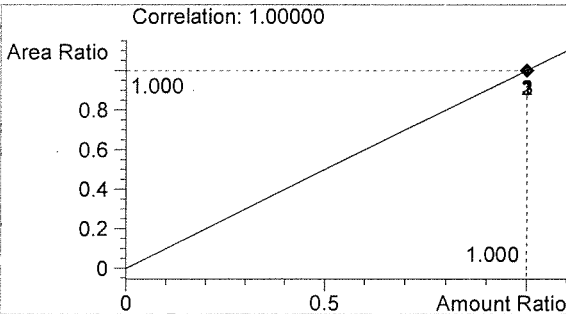
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	808	1.014
2	n-Propanol	1729	1.740



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 8:55:34 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

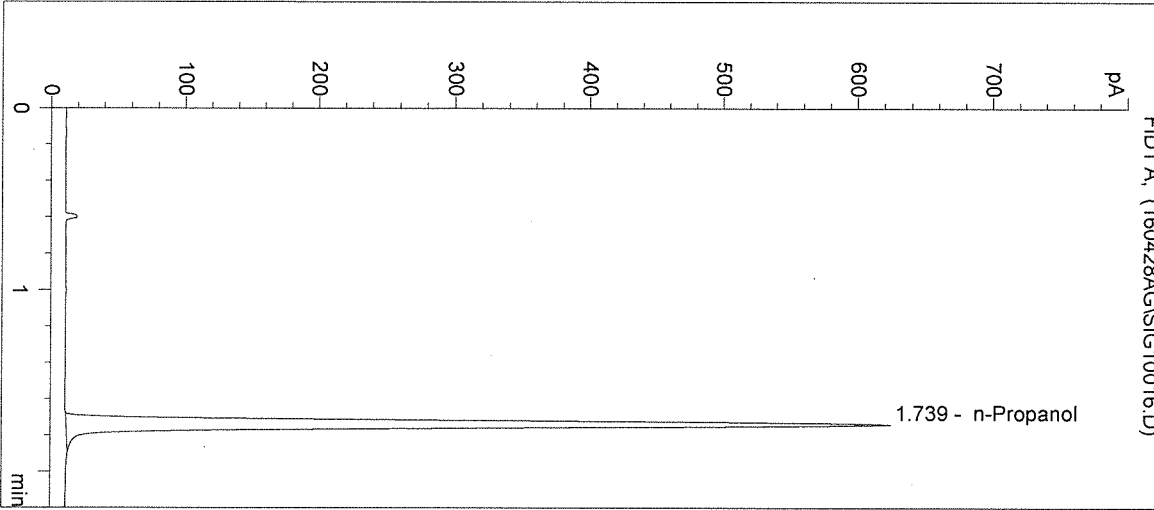
Operator: Andrew Gingras

Column: DB-ALC2

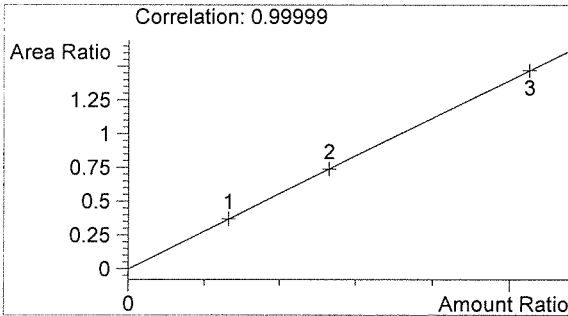
Location: Vial 16

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

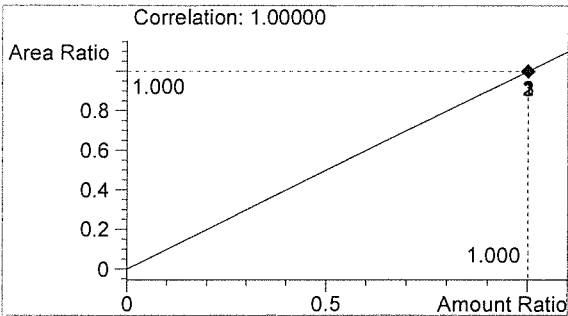
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1684	1.739



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Sequence Parameters:

Operator: Lyndsey Knoy

Data File Naming: Prefix/Counter

Signal 1 Prefix: SIG1  
Counter: 0001

Signal 2 Prefix: SIG2  
Counter: 0001

Data Directory: C:\HPCHEM\1\DATA\  
Data Subdirectory: 160502LK

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/16  
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/16  
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/16

0.04 Control - Lot #FN05011301 - Exp. 05/2018  
 0.10 Control - Lot #FN08051301 - Exp. 10/2018  
 0.20 Control - Lot #FN03211401 - Exp. 06/2019

ISTD Lot#P0316 - Exp. 06/29/2016

Calibration 1-9 filed with 16013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16013 #1	SIMALC1	1	Sample		
11	Vial 11	16013 #2	SIMALC1	1	Sample		
12	Vial 12	16013 #3	SIMALC1	1	Sample		
13	Vial 13	16013 #4	SIMALC1	1	Sample		
14	Vial 14	16013 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16014 #1	SIMALC1	1	Sample		
18	Vial 18	16014 #2	SIMALC1	1	Sample		
19	Vial 19	16014 #3	SIMALC1	1	Sample		
20	Vial 20	16014 #4	SIMALC1	1	Sample		
21	Vial 21	16014 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16015 #1	SIMALC1	1	Sample		

16013  
*Inst 1/16*

*mu*

Sequence: C:\HPCHEM\1\SEQUENCE\LKQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16015 #2	SIMALC1	1	Sample		
26	Vial 26	16015 #3	SIMALC1	1	Sample		
27	Vial 27	16015 #4	SIMALC1	1	Sample		
28	Vial 28	16015 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16016 #1	SIMALC1	1	Sample		
32	Vial 32	16016 #2	SIMALC1	1	Sample		
33	Vial 33	16016 #3	SIMALC1	1	Sample		
34	Vial 34	16016 #4	SIMALC1	1	Sample		
35	Vial 35	16016 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	Negative CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16013

*Inst 5/16*

*M*

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

Calib. Data Modified : Monday, May 02, 2016 1:30:06 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 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
1.091	1 1	7.91100e-2	977.33661	8.09445e-5	1 Ethanol
	2	1.59090e-1	1947.90247	8.16725e-5	
	3	3.15200e-1	3932.53784	8.01518e-5	
1.753	1 1	1.20000e-2	2561.64917	4.68448e-6	I1 n-Propanol
	2	1.20000e-2	2574.07715	4.66186e-6	
	3	1.20000e-2	2587.54639	4.63760e-6	

16013

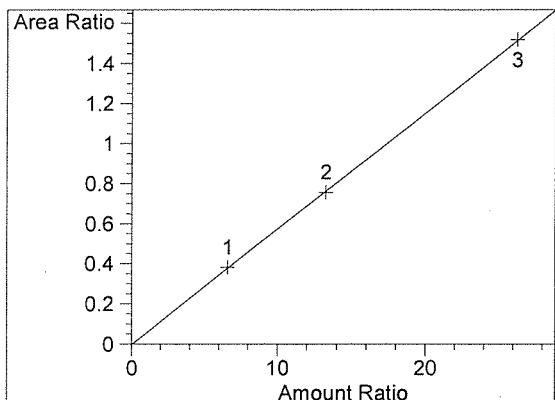
*fn 5/5/16*

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

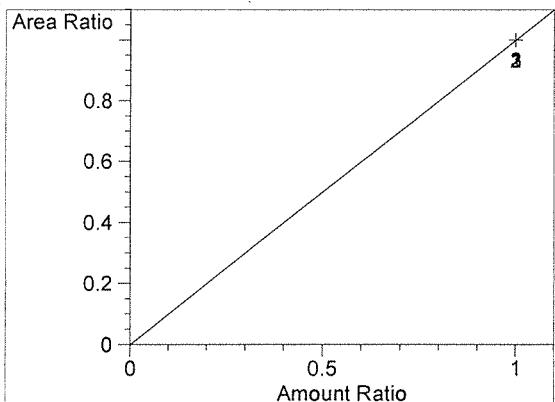
\*\*\*No Entries in table\*\*\*  
=====

*lu*

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



Ethanol at exp. RT: 1.091  
FID1 A,  
Correlation: 0.99997  
Residual Std. Dev.: 0.00632  
Formula:  $y = mx + b$   
m: 5.78117e-2  
b: -2.00650e-3  
x: Amount Ratio  
y: Area Ratio



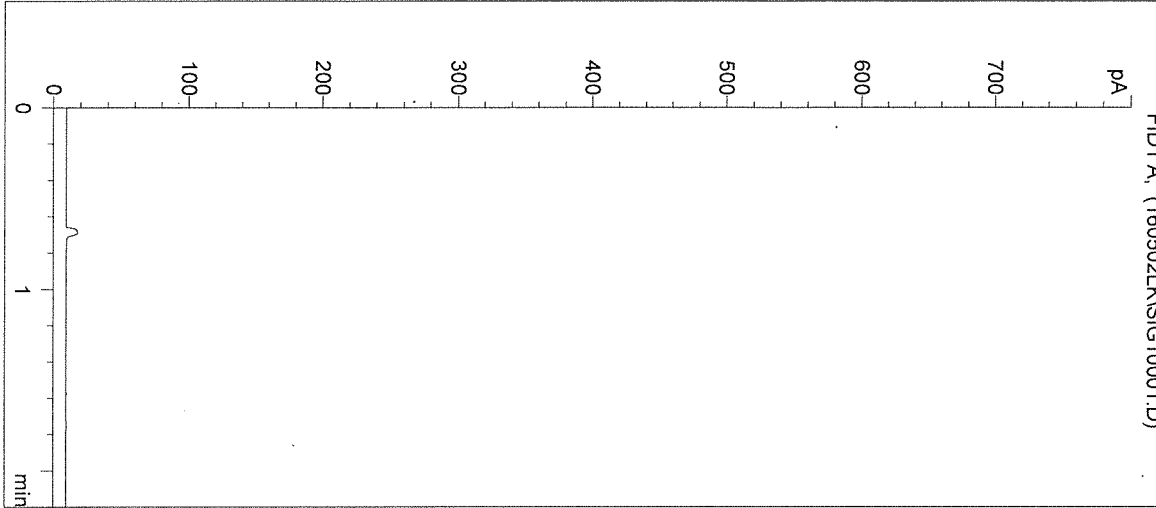
n-Propanol at exp. RT: 1.753  
FID1 A,  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx + b$   
m: 1.00000  
b: 0.00000  
x: Amount Ratio  
y: Area Ratio

16013  
Ln 5/5/16

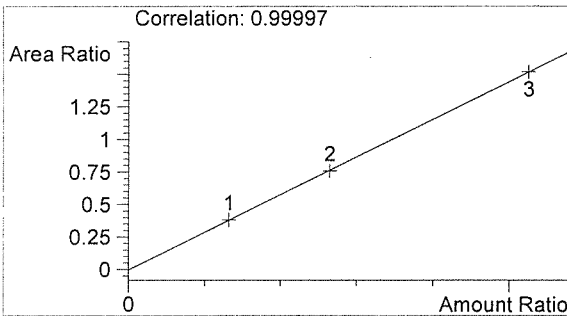
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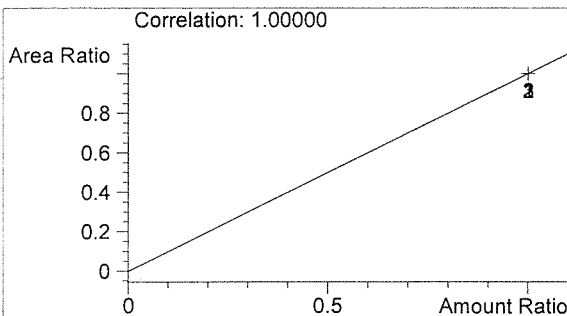
Inj. Date: 5/2/2016 1:18:00 PM      Sample Name: BLANK  
Instrument: HSGC#1      Operator: Lyndsey Knoy  
Column: DB-ALC1      Location: Vial 1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16013



#	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

*fn*

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Inj. Date: 5/2/2016 1:21:19 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

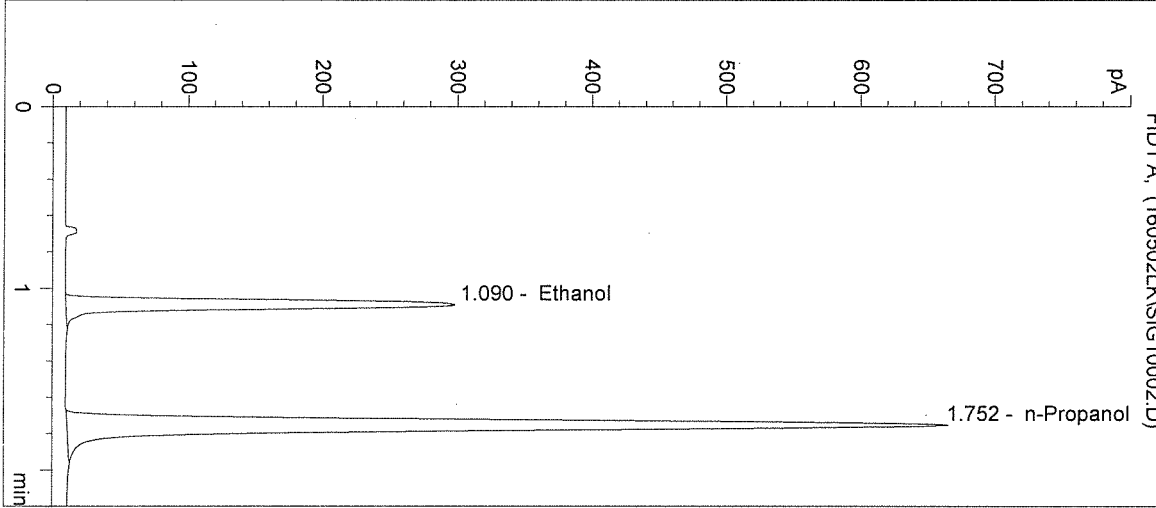
Operator: Lyndsey Knoy

Column: DB-ALC1

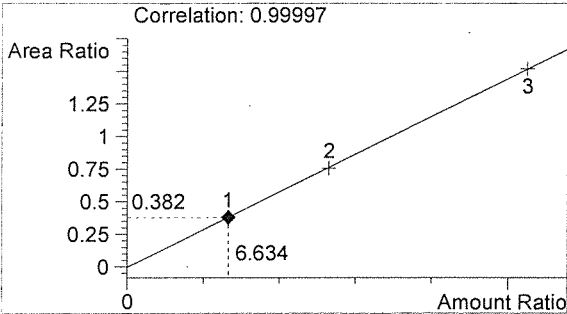
Location: Vial 2

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

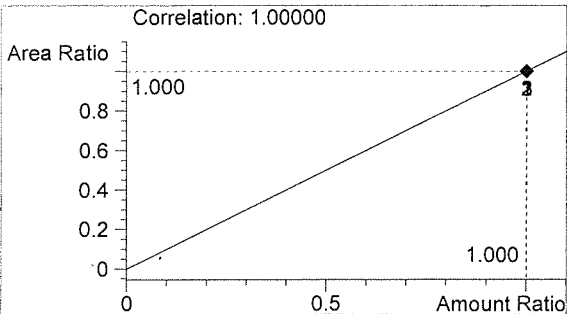
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	977	1.090
2	n-Propanol	2562	1.752



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 1:24:36 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

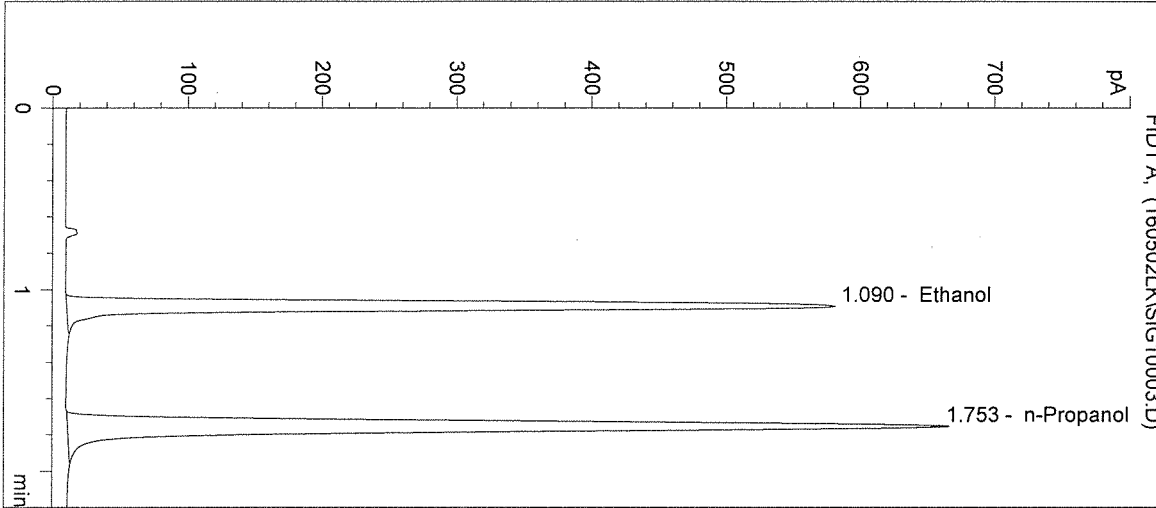
Operator: Lyndsey Knoy

Column: DB-ALC1

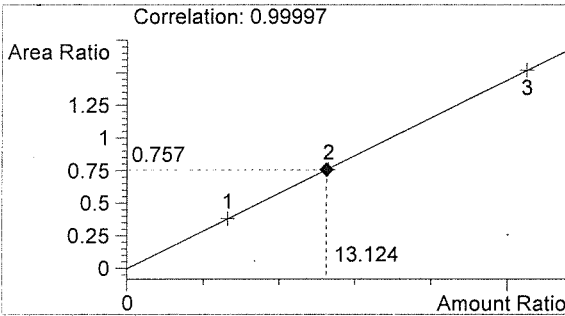
Location: Vial 3

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

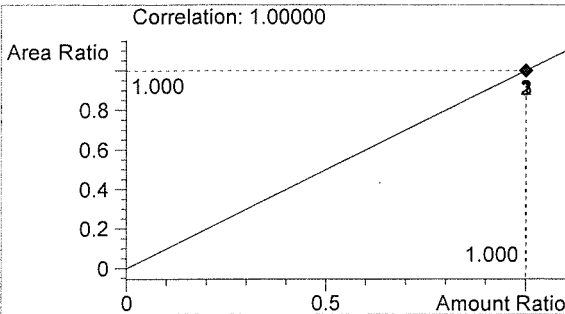
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1948	1.090
2	n-Propanol	2574	1.753



Ethanol 0.157 g/100mL



n-Propanol 0.012 g/100mL

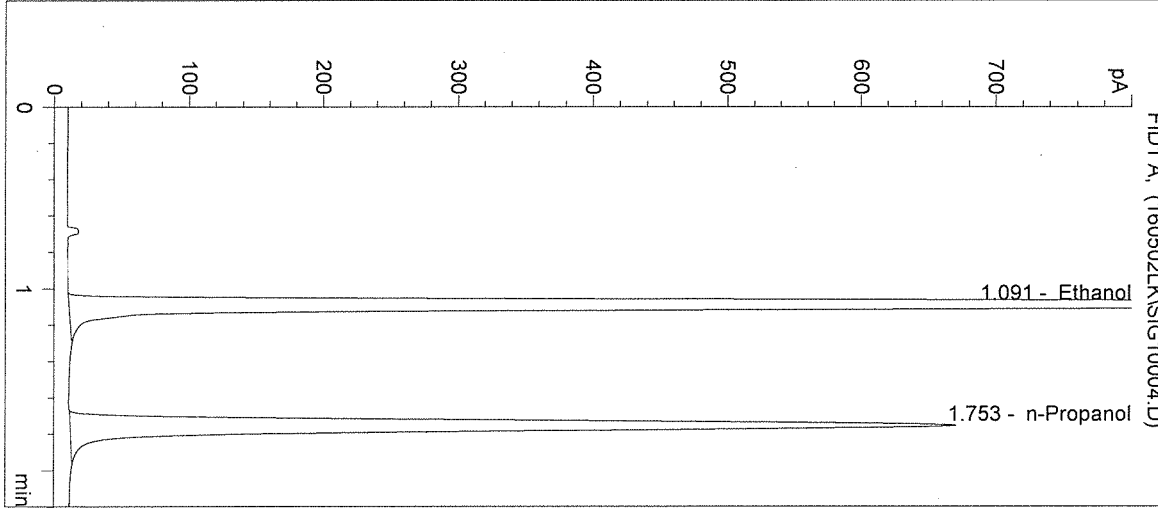
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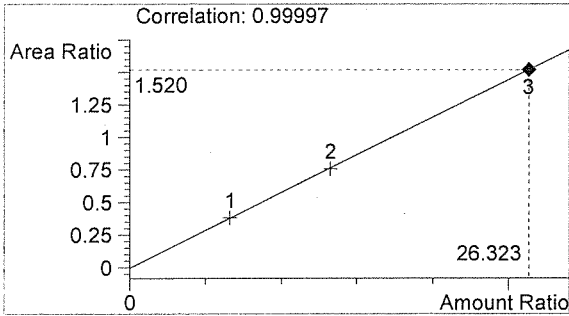
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Inj. Date: 5/2/2016 1:27:53 PM  
Instrument: HSGC#1  
Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16013

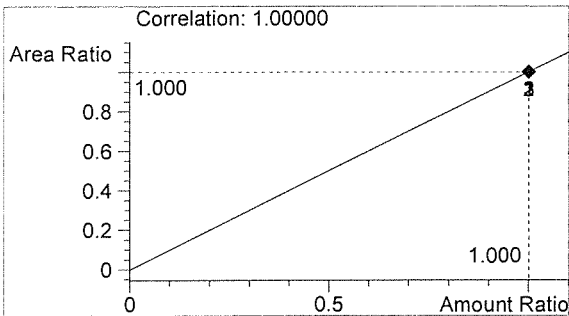
Sample Name: 0.316 CAL 3  
Operator: Lyndsey Knoy  
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3933	1.091
2	n-Propanol	2588	1.753



Ethanol 0.316 g/100mL



n-Propanol 0.012 g/100mL

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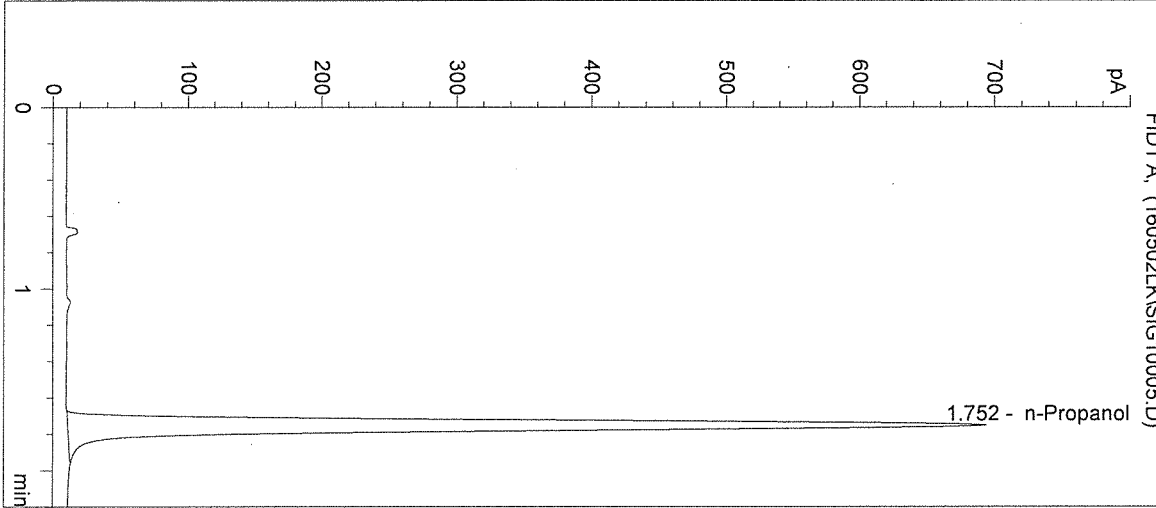
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 1:31:06 PM  
Instrument: HSGC#1

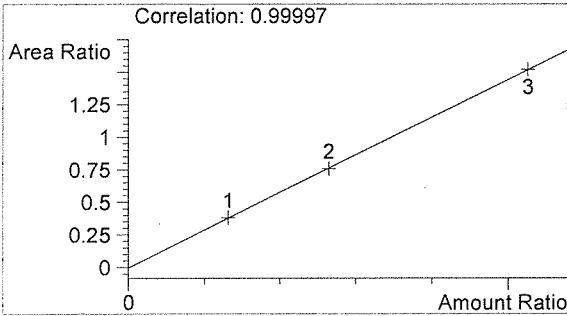
Sample Name: Negative CTRL  
Operator: Lyndsey Knoy  
Location: Vial 5

Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

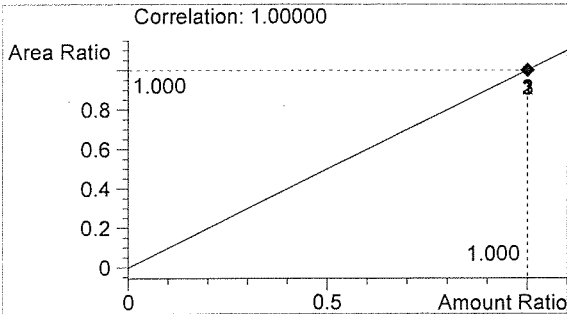
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2673	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 1:34:19 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

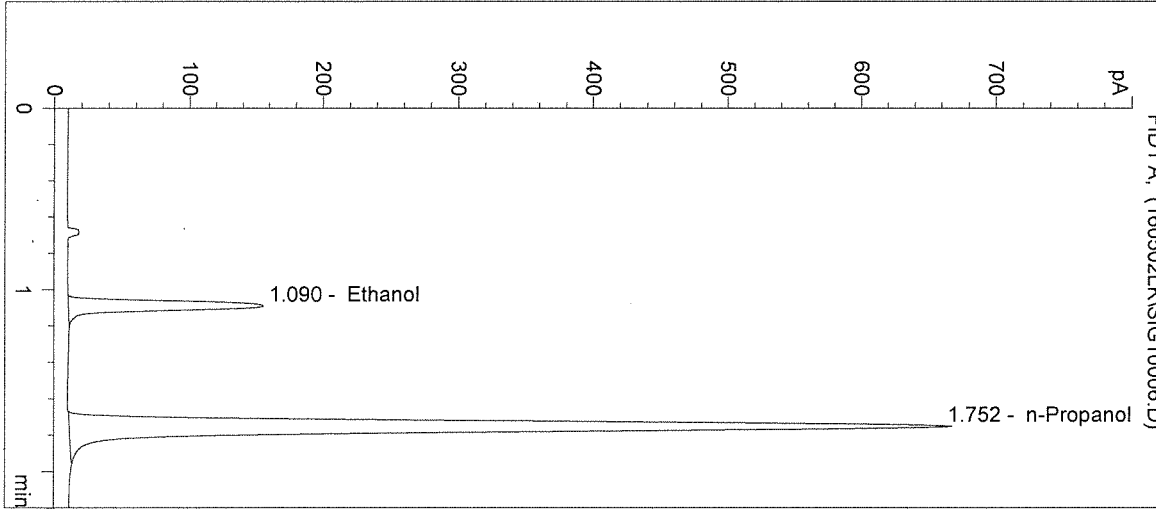
Operator: Lyndsey Knoy

Column: DB-ALC1

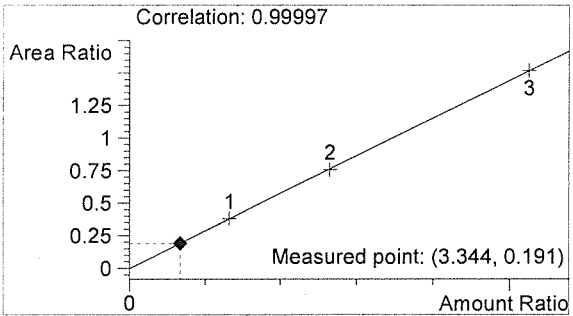
Location: Vial 6

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

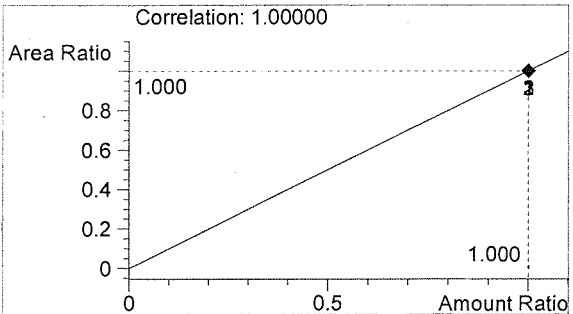
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	493	1.090
2	n-Propanol	2578	1.752



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 1:37:33 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

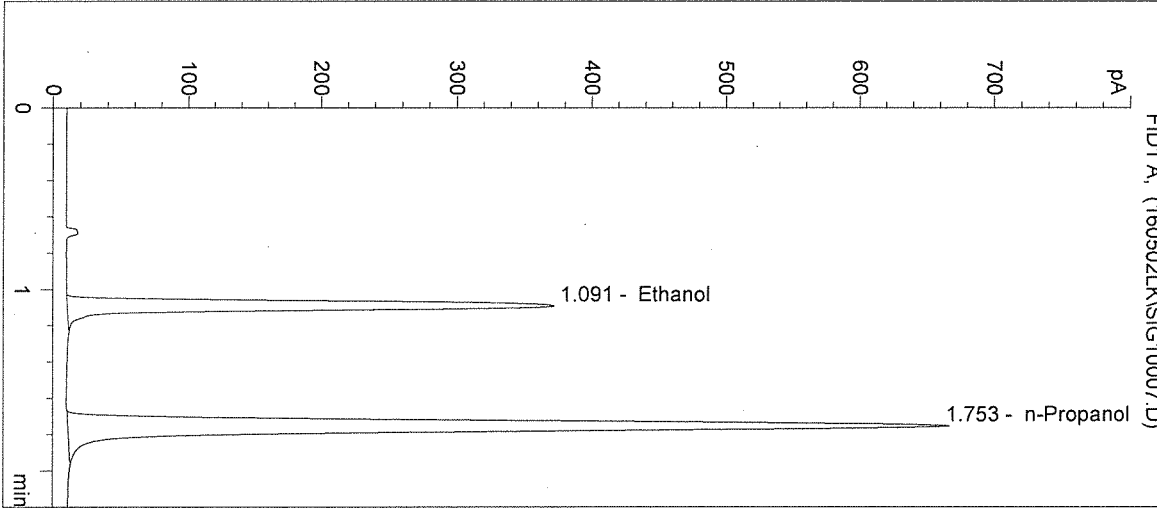
Operator: Lyndsey Knoy

Column: DB-ALC1

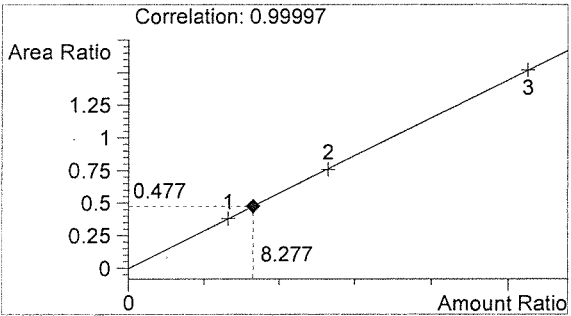
Location: Vial 7

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

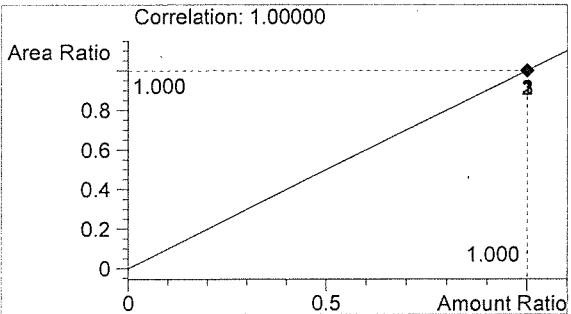
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1225	1.091
2	n-Propanol	2570	1.753



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 1:40:45 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

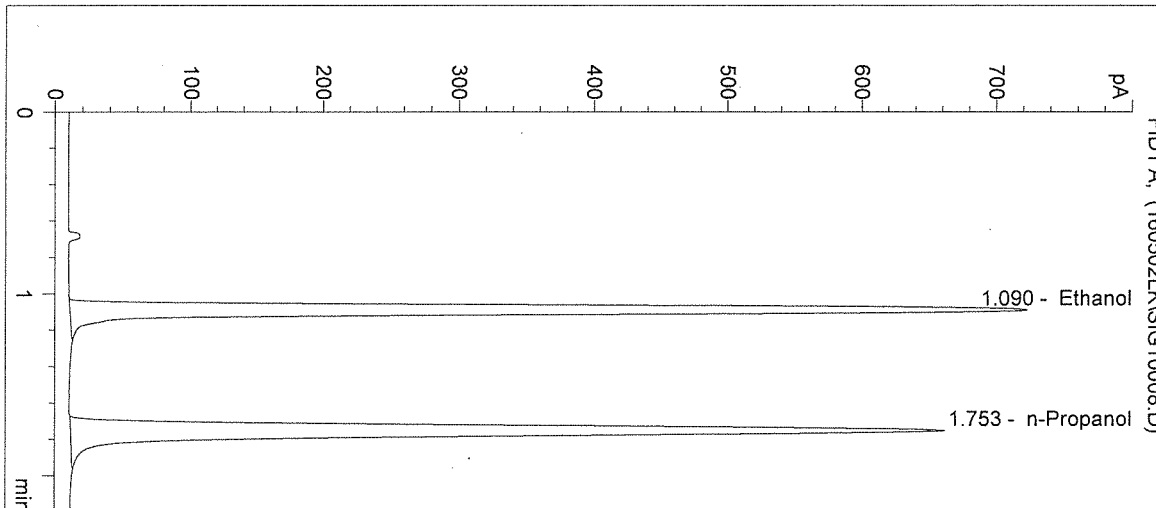
Operator: Lyndsey Knoy

Column: DB-ALC1

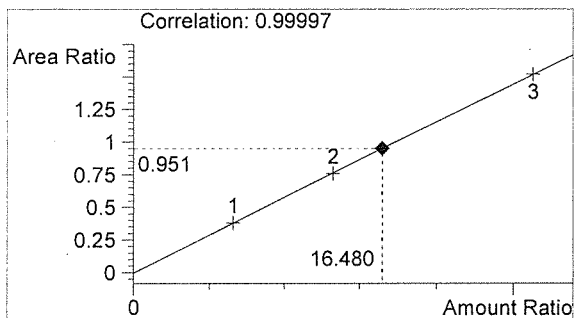
Location: Vial 8

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

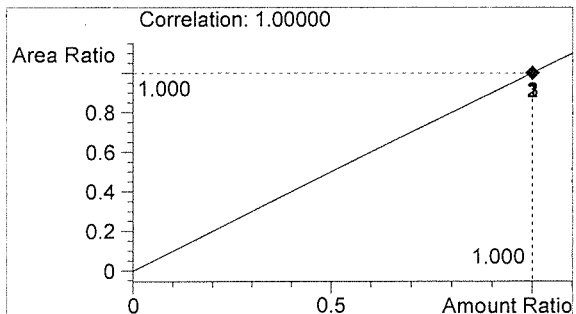
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	2428	1.090
2	n-Propanol	2553	1.753



Ethanol 0.198 g/100mL



n-Propanol 0.012 g/100mL

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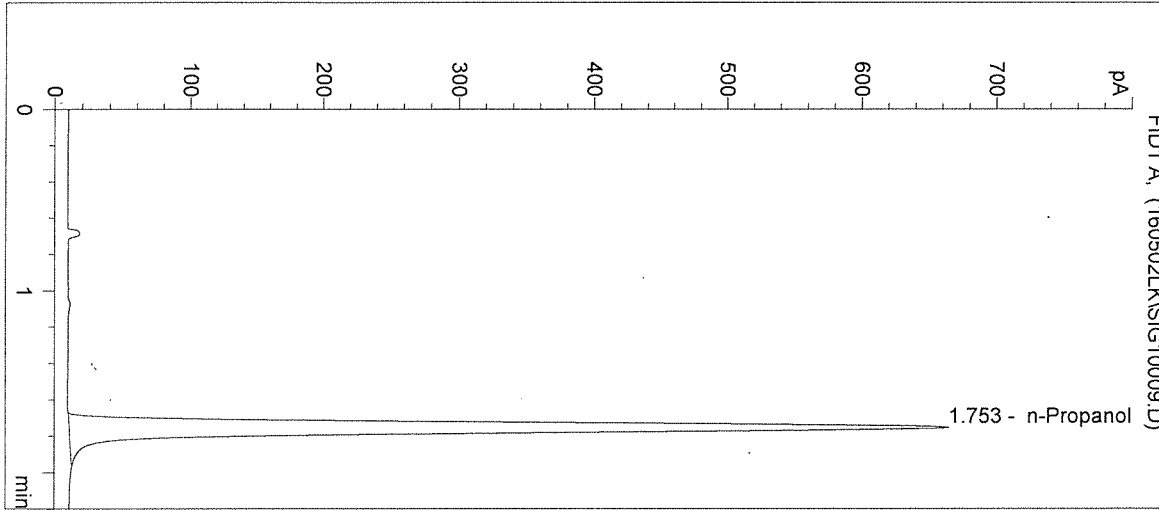
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Inj. Date: 5/2/2016 1:43:58 PM  
 Instrument: HSGC#1

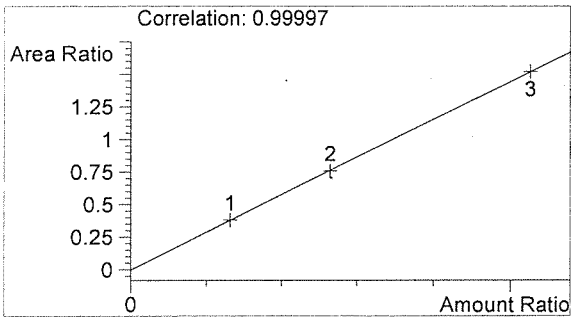
Sample Name: Negative CTRL  
 Operator: Lyndsey Knoy  
 Location: Vial 9

Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

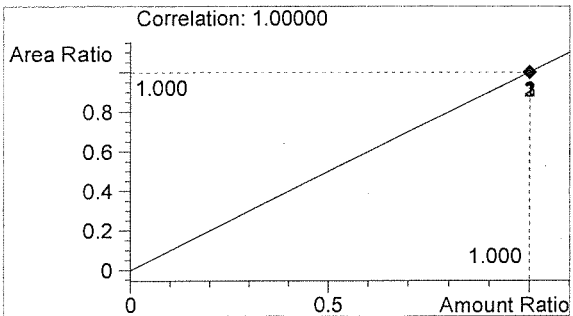
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2572	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 1:47:12 PM

Sample Name: 16013 #1

Instrument: HSGC#1

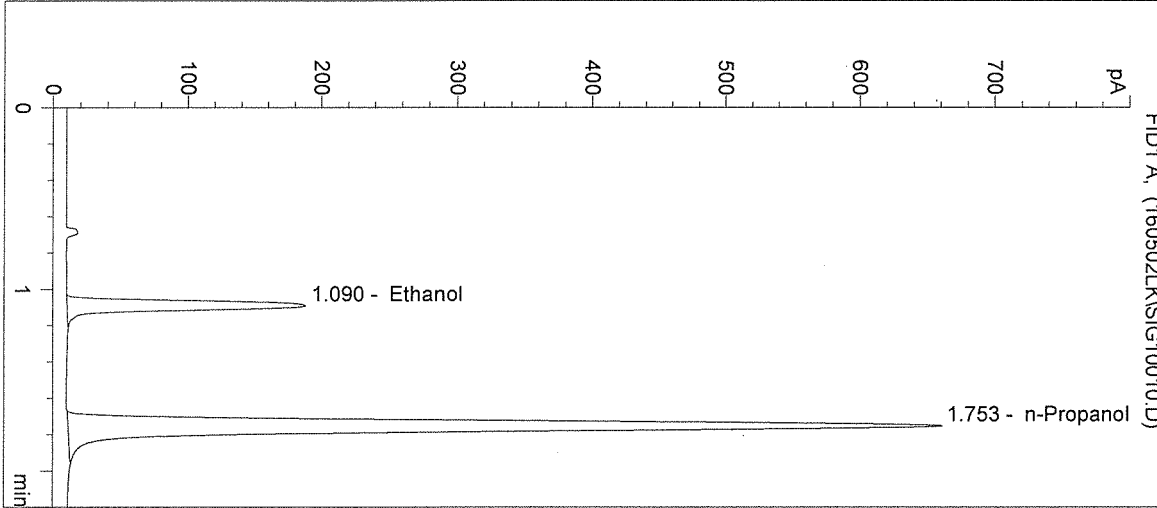
Operator: Lyndsey Knoy

Column: DB-ALC1

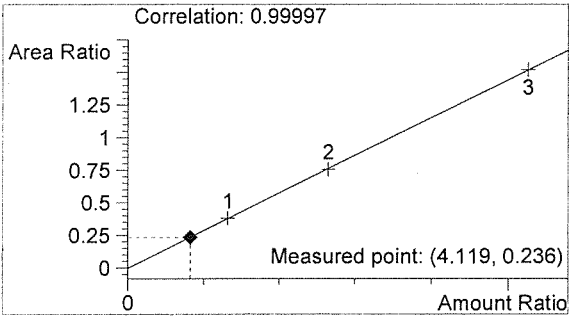
Location: Vial 10

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

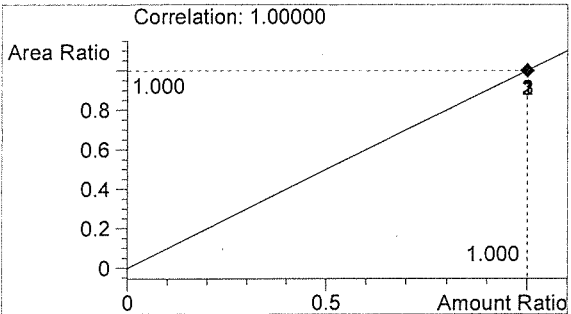
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	604	1.090
2	n-Propanol	2559	1.753



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 1:50:25 PM

Sample Name: 16013 #2

Instrument: HSGC#1

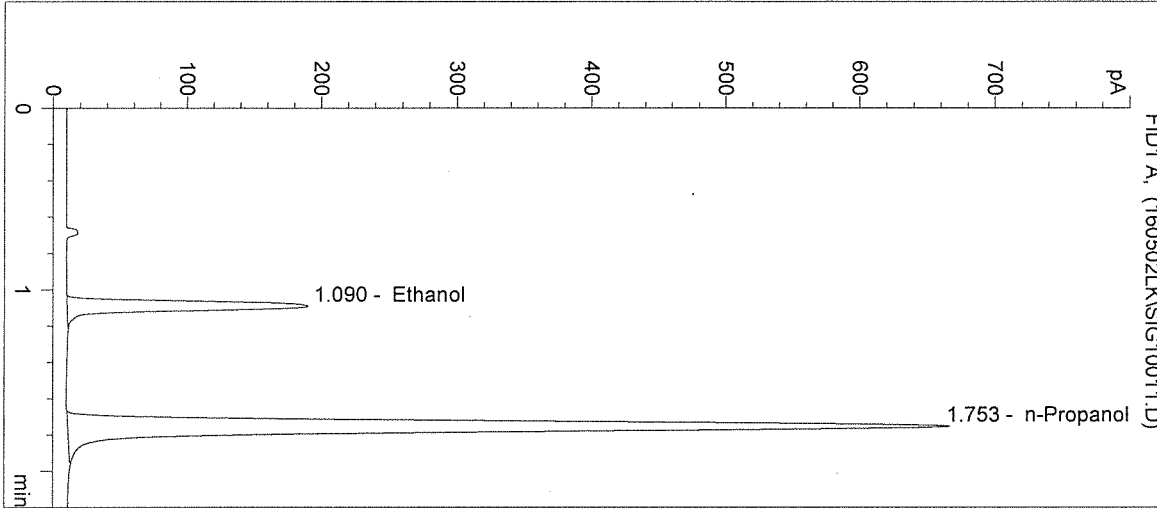
Operator: Lyndsey Knoy

Column: DB-ALC1

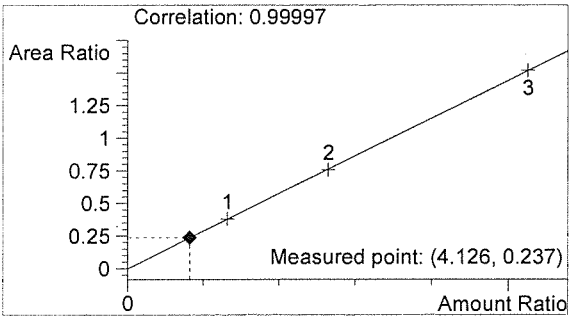
Location: Vial 11

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

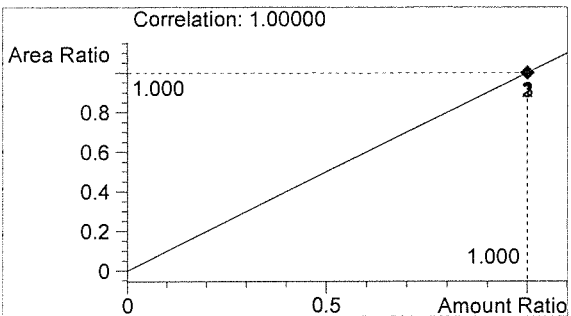
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.090
2	n-Propanol	2577	1.753



Ethanol 0.050 g/100mL



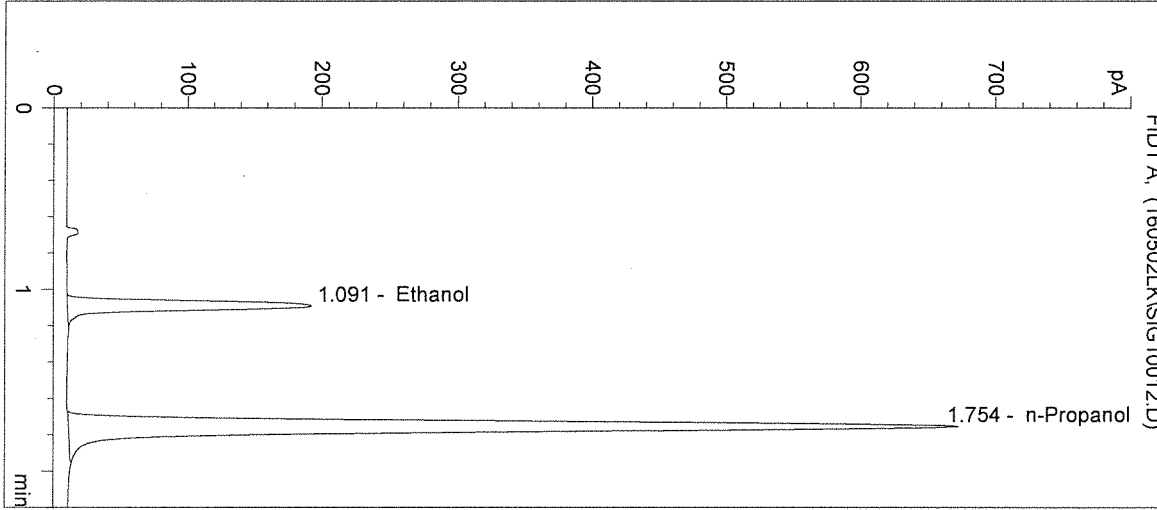
n-Propanol 0.012 g/100mL

*fr*

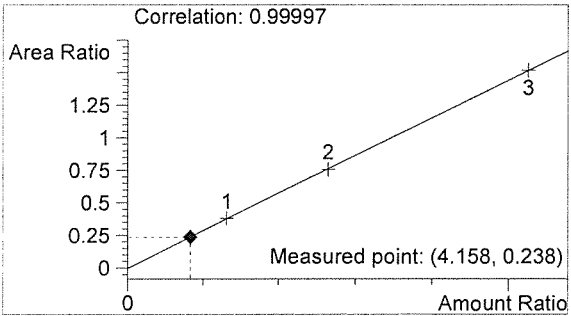
*W*

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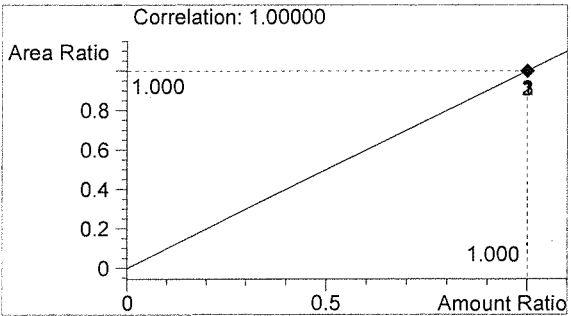
Inj. Date: 5/2/2016 1:53:39 PM      Sample Name: 16013 #3  
Instrument: HSGC#1      Operator: Lyndsey Knoy  
Column: DB-ALC1      Location: Vial 12  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	619	1.091
2	n-Propanol	2595	1.754



Ethanol      0.050 g/100mL



n-Propanol      0.012 g/100mL

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Inj. Date: 5/2/2016 1:56:52 PM

Sample Name: 16013 #4

Instrument: HSGC#1

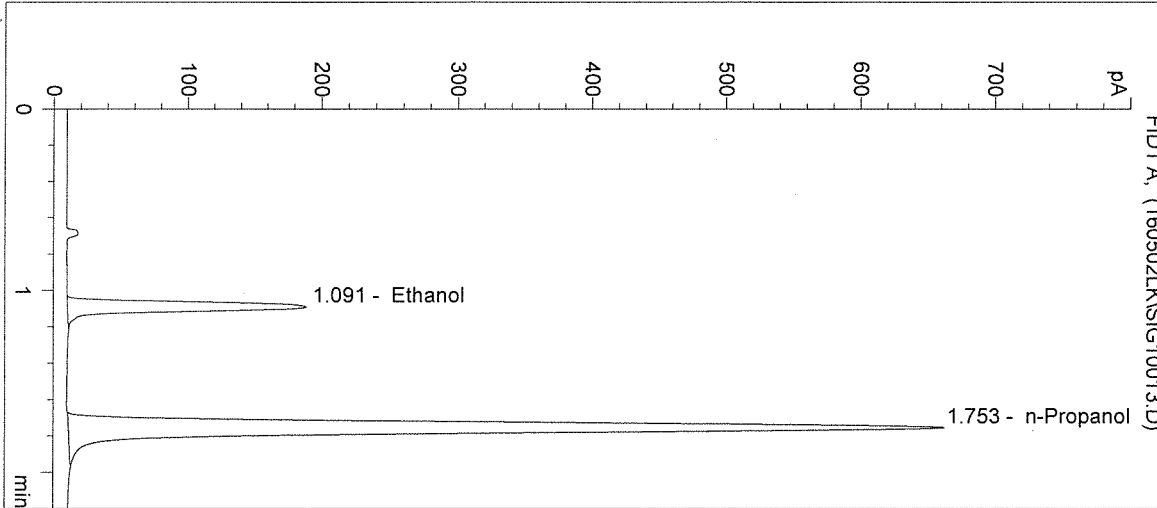
Operator: Lyndsey Knoy

Column: DB-ALC1

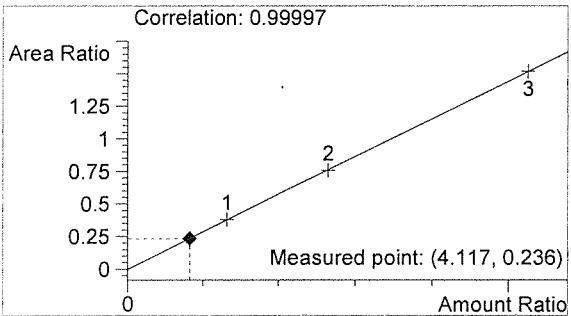
Location: Vial 13

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

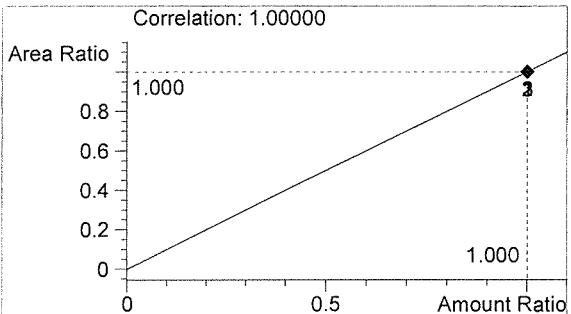
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	605	1.091
2	n-Propanol	2564	1.753



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 2:00:05 PM

Sample Name: 16013 #5

Instrument: HSGC#1

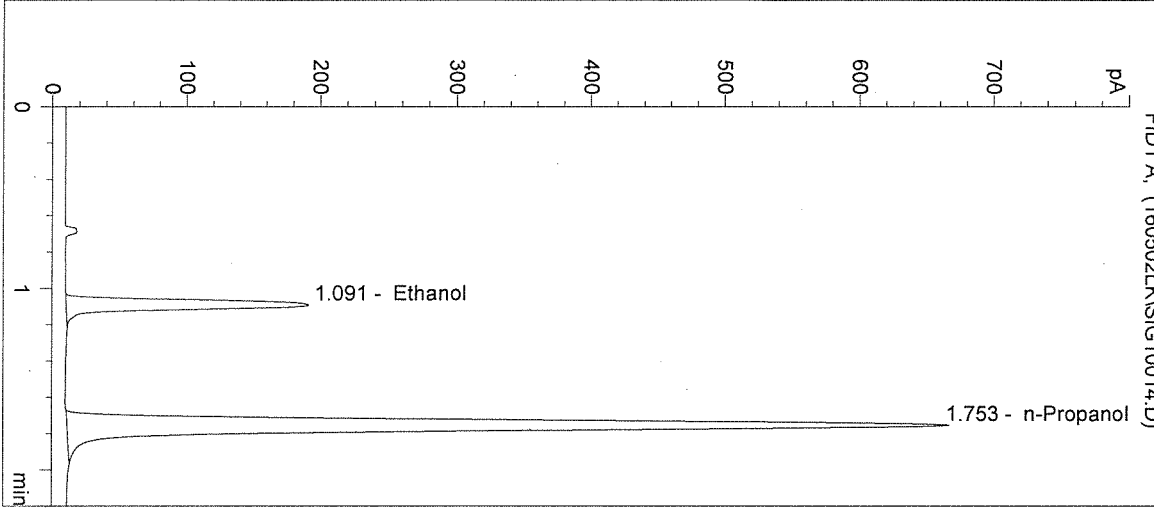
Operator: Lyndsey Knoy

Column: DB-ALC1

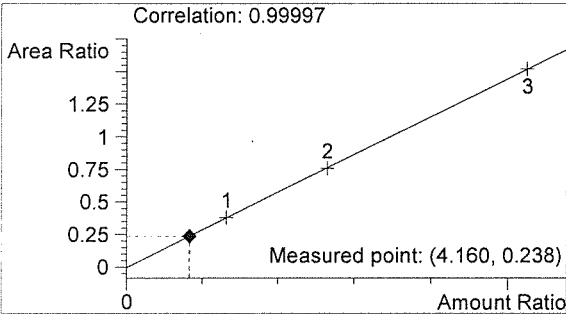
Location: Vial 14

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

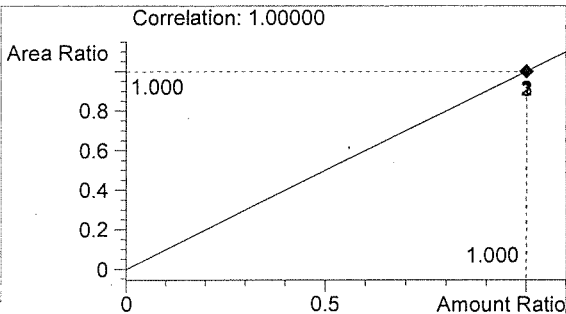
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	615	1.091
2	n-Propanol	2577	1.753



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 2:03:19 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

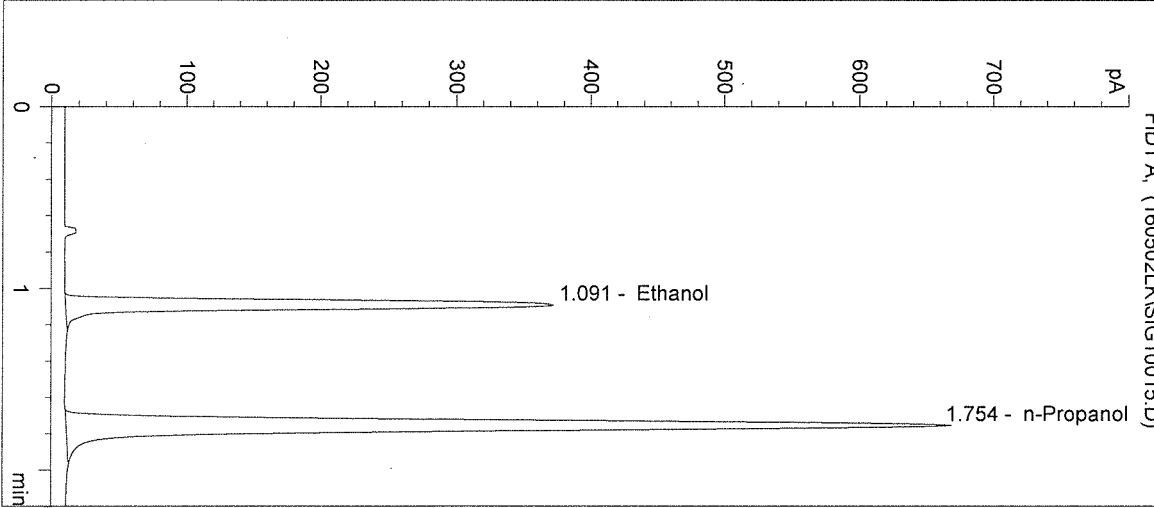
Operator: Lyndsey Knoy

Column: DB-ALC1

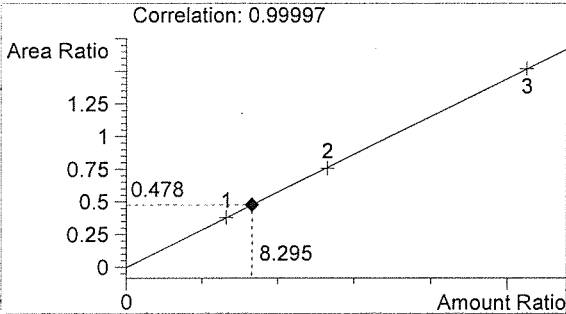
Location: Vial 15

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

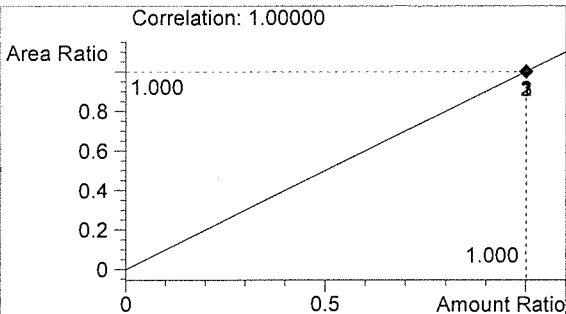
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	1232	1.091
2	n-Propanol	2581	1.754



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 5/2/2016 2:06:32 PM

Sample Name: Negative CTRL

Instrument: HSGC#1

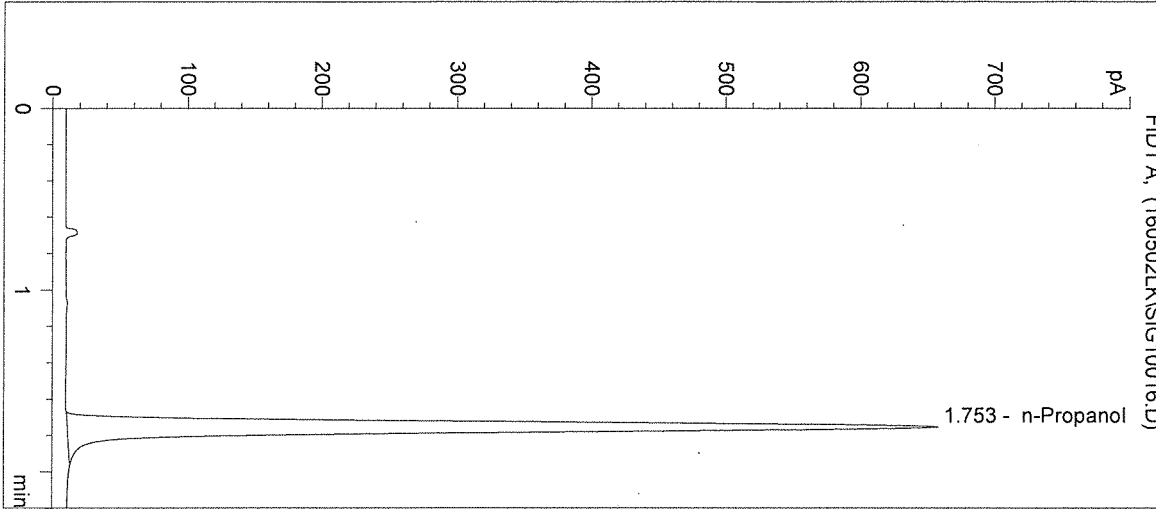
Operator: Lyndsey Knoy

Column: DB-ALC1

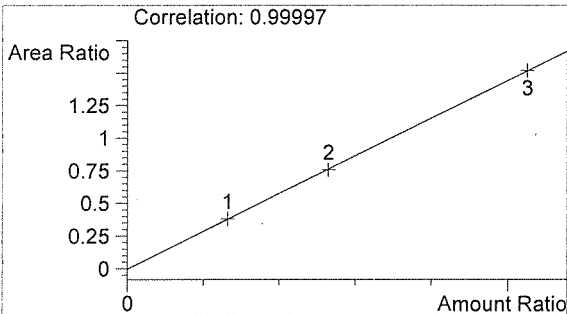
Location: Vial 16

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

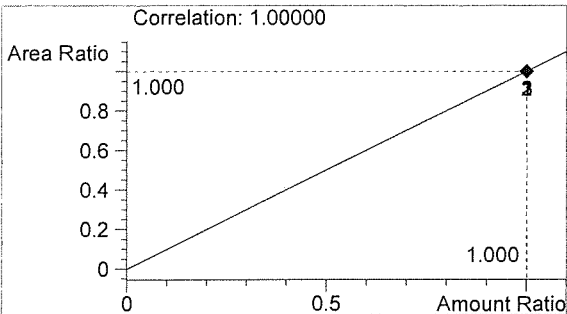
Sample Info: 16013



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2546	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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