



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 14037

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 09/17/2014
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Lyndsey Lowe

	LL	KK	CSJ
1	0.100	0.099	0.099
2	0.100	0.100	0.100
3	0.101	0.099	0.100
4	0.100	0.099	0.100
5	0.100	0.099	0.100
C	0.102	0.103	0.102

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0997 g/100mL PRECISION CV (%): 0.60
STANDARD DEVIATION: 0.00059 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.0811 g/210L
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

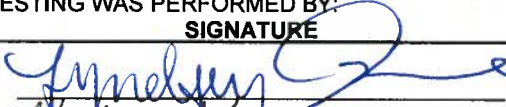


WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Lisa Noble Forensic Scientist Supervisor

10/9/14

DATE REPORT ISSUED

ANALYST	NAME	THIS TESTING WAS PERFORMED BY:	
		SIGNATURE	DATE TESTED
LL	Lyndsey Lowe		09/17/2014
KK	Katie Knorr		09/19/2014
CSJ	Christopher S. Johnston		09/23/2014

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 #: 14037

Date Prepared: 9/17/2014

Analyst:	LL	KK	CSJ
Date Tested:	9/17/2014	9/19/2014	9/23/2014
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.100	0.099	0.099
2	0.100	0.100	0.100
3	0.101	0.099	0.100
4	0.100	0.099	0.100
5	0.100	0.099	0.100
C	0.102	0.103	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000023618	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.0997 g/100mL
Standard Deviation: 0.00059 g/100mL
Precision CV (%): 0.60
Equivalent Vapor Concentration: 0.0811 g/210L
Combined Standard Uncertainty (±): 0.0009 g/210L
Expanded Uncertainty (±): 0.0018 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 10/3/14
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 10-8-2014 Method: Hand calculation
Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 10/3/14
Name Signature Date

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 10-8-2014

Location: WSP-FLSB Seattle, WA Solution Batch Number: 14037

	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:

Stamped unique identifier (SIM Batch #) applied to documents at time of technical review, performed by Lisa Noble on 10-3-14. Date of stamped ID added, along with initials and date of 10-7-14 or 10-8-14 by Lisa Noble. Initials/date added to Lindsey Lowe's sequence table (pg. 2) and calibration table pages on 10-8-14. *OB 10-8-14*

Reviewer Signature: 

Date: 10-8-2014

Reviewer Signature: MA AB 10-8-14

Date: _____

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SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras		
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston	C	10/3/14
Dawn Sklerov		
Justin Knoy		
Katie Knorr	KK	10/3/14
Lyndsey Lowe	L	10.3.14
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 14037

jk

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 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 14037**

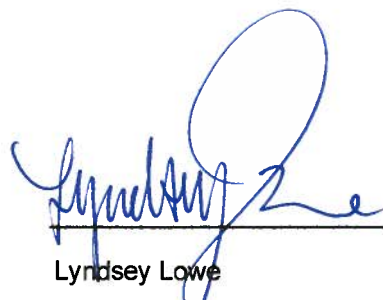
I, Lyndsey Lowe, do certify under penalty of perjury that:

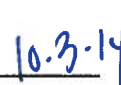
I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 14037, was prepared in the Washington State Toxicology Laboratory on 9/17/2014. 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 9/17/2015.

Seattle, WA


Lyndsey Lowe
Forensic Toxicologist


Date



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 14037**

I, Katie Knorr, do certify under penalty of perjury that:

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

I possess the following qualifications: BS in Biochemistry and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 14037, was prepared in the Washington State Toxicology Laboratory on 9/17/2014. 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 9/17/2015.

Seattle, WA

Katie Knorr 10/3/14

Katie Knorr

Date

Forensic Toxicologist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 14037**


I, Christopher S. Johnston, 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 14037, was prepared in the Washington State Toxicology Laboratory on 9/17/2014. 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 9/17/2015.

Seattle, WA



Christopher S. Johnston 10/3/2014
Forensic Toxicologist Date



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

Preparation Date: 9.17.14 Initials of Preparer: U
 Expiration Date: 9.17.15
 Lot # of 200-proof Ethanol used in preparation: 2CK0002
 Date the 200-proof Ethanol bottle was opened: 8.29.14

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.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>14036</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>14037</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>14038</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>14039</u>
ESS	66.5	52	<input type="checkbox"/>	
		Stir bar is rotating	<input checked="" type="checkbox"/>	
		Stirred for minimum 30 minutes; 2 hours for ESS	<input checked="" type="checkbox"/>	
		Spigot purged	<input checked="" type="checkbox"/>	
		Aliquot taken	<input checked="" type="checkbox"/>	
		Batch labeled, packaged and sealed	<input checked="" type="checkbox"/>	<u>9.17.14</u> Date

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

Comments:

[Signature]
Analyst Signature

9.17.14
Date

Sequence Parameters:

Operator: Lyndsey Lowe
 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: 140917LL
 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#E0814-01 - Exp 2/19/15
 Cal 2 (0.158 g/100mL) - Lot#E0814-02 - Exp 2/19/15
 Cal 3 (0.316 g/100mL) - Lot#E0814-03 - Exp 2/19/15

 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# P0814 - Exp 10/30/14

14036

14037

14038

14039

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 Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	14036 0.04 #1	SIMALC3	1	Sample		
11	Vial 11	14036 0.04 #2	SIMALC3	1	Sample		
12	Vial 12	14036 0.04 #3	SIMALC3	1	Sample		
13	Vial 13	14036 0.04 #4	SIMALC3	1	Sample		
14	Vial 14	14036 0.04 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	14037 0.08 #1	SIMALC3	1	Sample		
18	Vial 18	14037 0.08 #2	SIMALC3	1	Sample		
19	Vial 19	14037 0.08 #3	SIMALC3	1	Sample		
20	Vial 20	14037 0.08 #4	SIMALC3	1	Sample		
21	Vial 21	14037 0.08 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	14038 0.15 #1	SIMALC3	1	Sample		
25	Vial 25	14038 0.15 #2	SIMALC3	1	Sample		
26	Vial 26	14038 0.15 #3	SIMALC3	1	Sample		

*Stamped
10/3/14
Jm 10/1/14*

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14038 0.15 #4	SIMALC3	1	Sample		
28	Vial 28	14038 0.15 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	14039 0.20 #1	SIMALC3	1	Sample		
32	Vial 32	14039 0.20 #2	SIMALC3	1	Sample		
33	Vial 33	14039 0.20 #2*	SIMALC3	1	Sample		
34	Vial 34	14039 0.20 #2*	SIMALC3	1	Sample		
35	Vial 35	14039 0.20 #2*	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	SIMALC3	1	Ctrl Samp		

* 0.08 Carboy aliquoted
 on accident instead of
 0.20; see data from
 140917L2
 u 9.17.14

Calibration Part: * Analyst mis-labeled 3rd, 4th, and 5th aliquots
 in sequence. Data not used anyway due to
 incorrect carboy being aliquoted. Reviewer Strahsu 10/3/14

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!

14036

14037

14038

14039

Stamped
 10/3/14
 for 10/7/14

140917L2 u 10.8.14

u
 R

Inj. Date: 9/17/2014 11:36:51 AM

Sample Name: 14037 0.08 #1

Instrument: HSGC#3

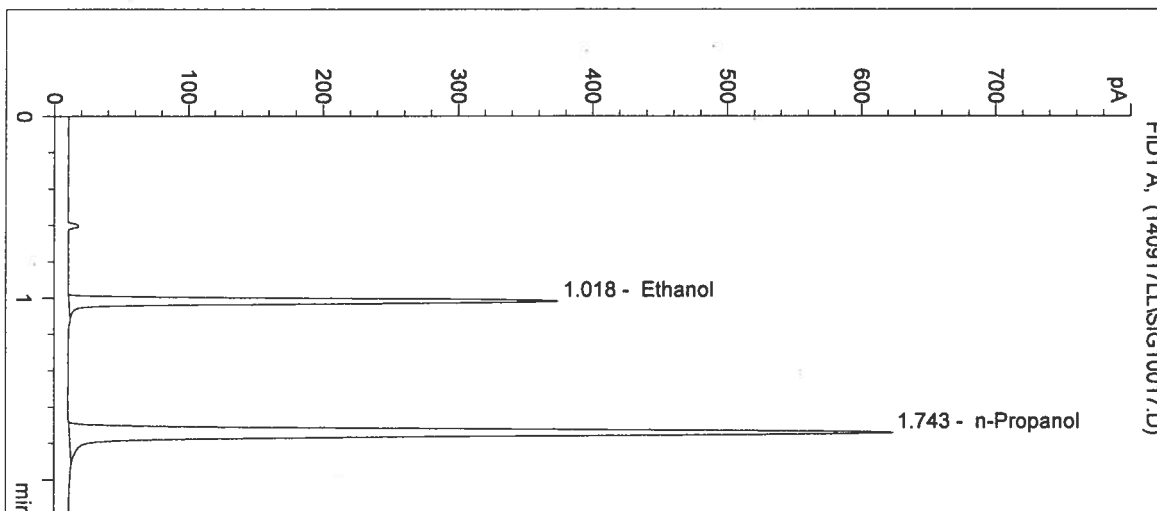
Operator: Lyndsey Lowe

Column: DB-ALC2

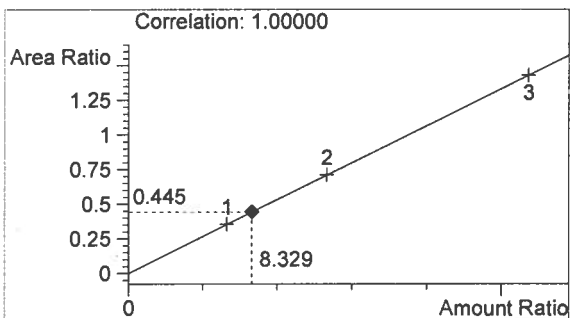
Location: Vial 17

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

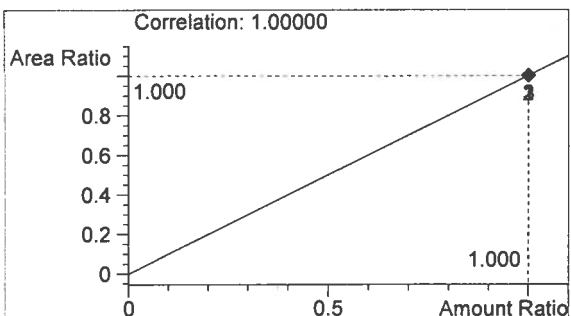
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	732	1.018
2	n-Propanol	1646	1.743



Ethanol 0.100 g/100mL



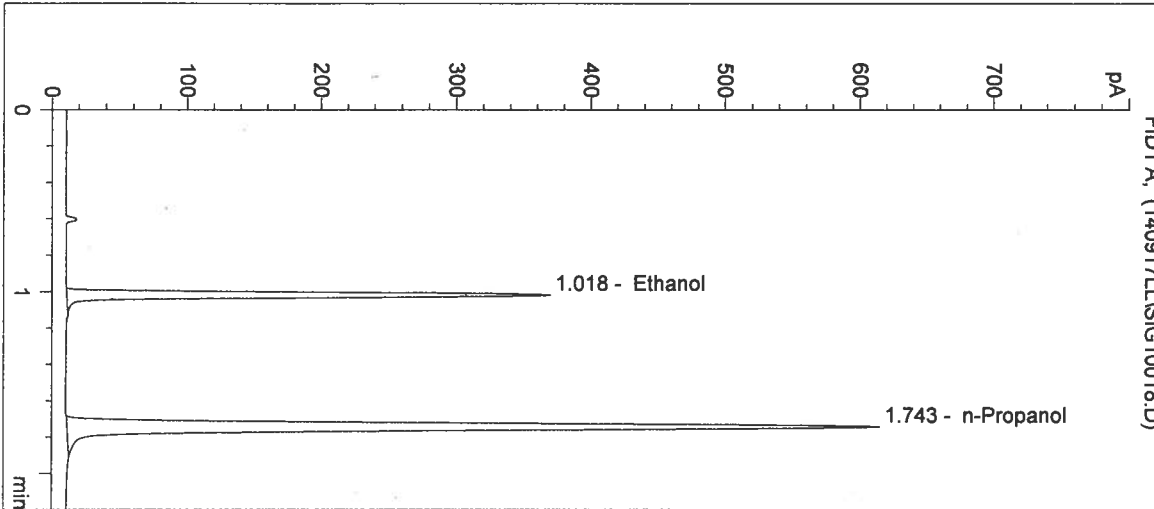
n-Propanol 0.012 g/100mL

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fu

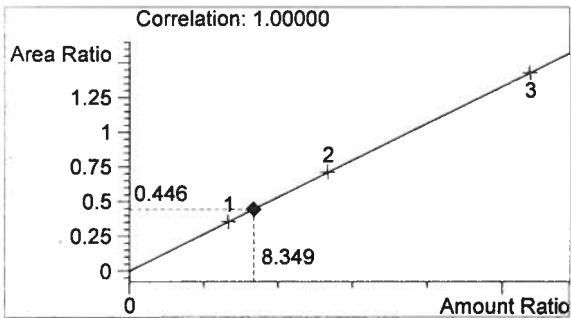
Inj. Date: 9/17/2014 11:40:04 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 14037 0.08 #2
 Operator: Lyndsey Lowe
 Location: Vial 18

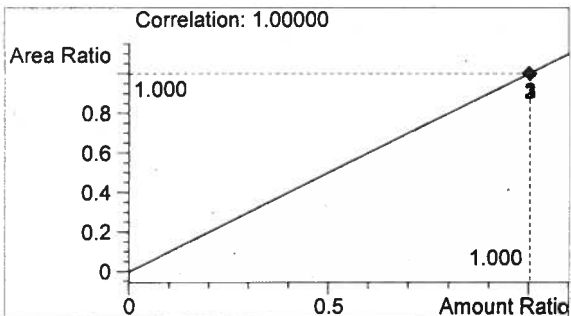
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	721	1.018
2	n-Propanol	1619	1.743



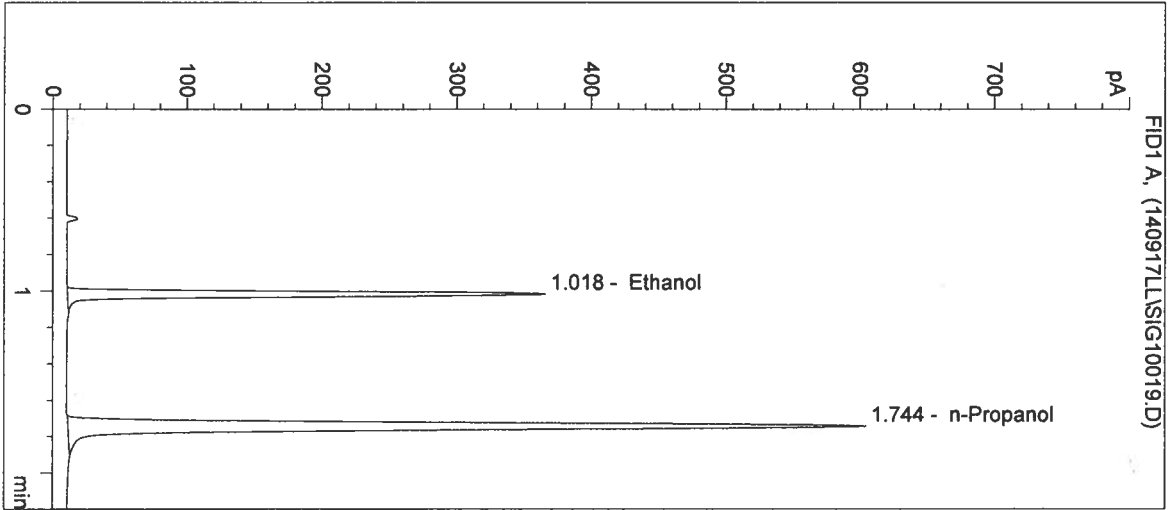
Ethanol 0.100 g/100mL



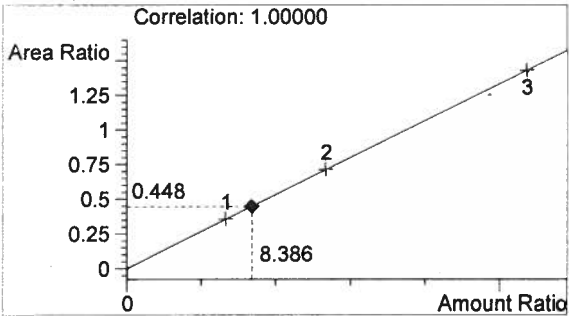
n-Propanol 0.012 g/100mL

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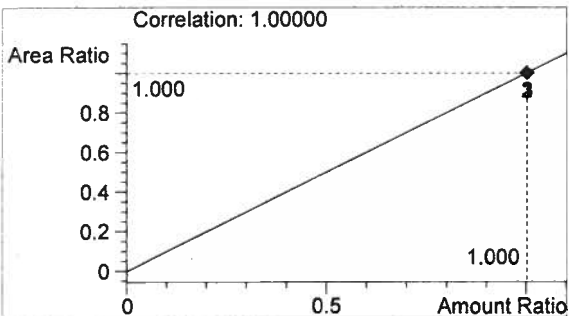
Inj. Date: 9/17/2014 11:43:17 AM Sample Name: 14037 0.08 #3
 Instrument: HSGC#3 Operator: Lyndsey Lowe
 Column: DB-ALC2 Location: Vial 19
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	714	1.018
2	n-Propanol	1596	1.744



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature/initials

Inj. Date: 9/17/2014 11:46:31 AM

Sample Name: 14037 0.08 #4

Instrument: HSGC#3

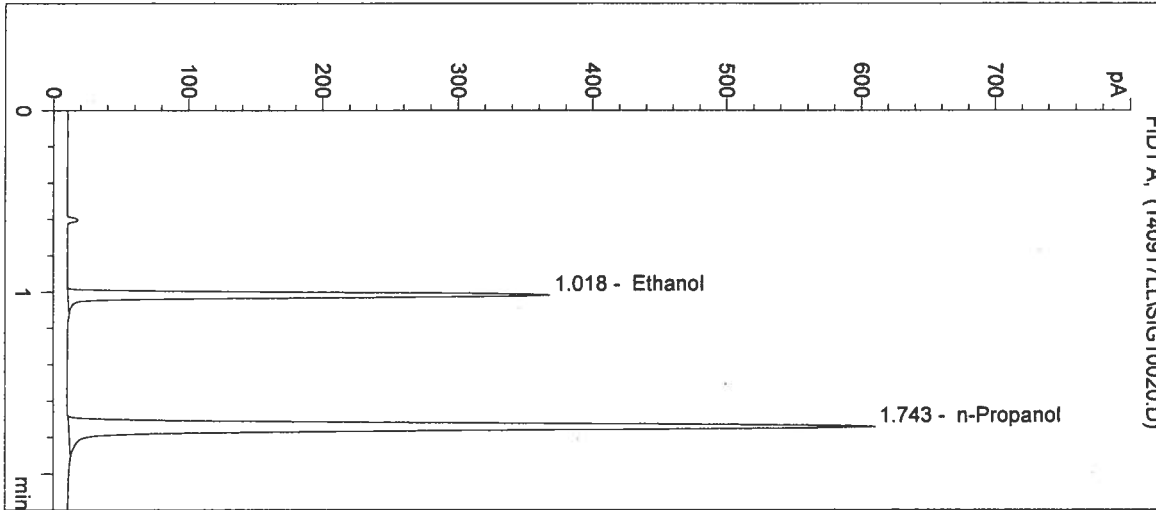
Operator: Lyndsey Lowe

Column: DB-ALC2

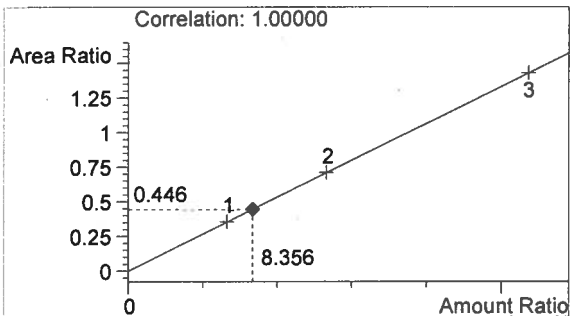
Location: Vial 20

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

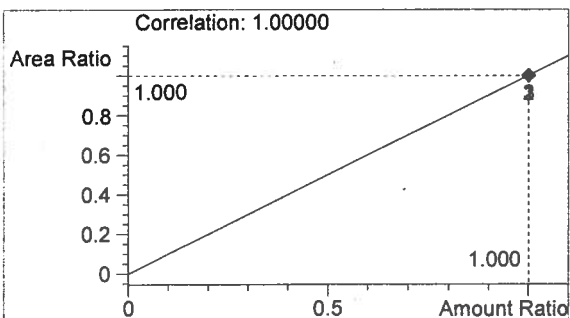
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	717	1.018
2	n-Propanol	1608	1.743



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature/initials

Inj. Date: 9/17/2014 11:49:44 AM

Sample Name: 14037 0.08 #5

Instrument: HSGC#3

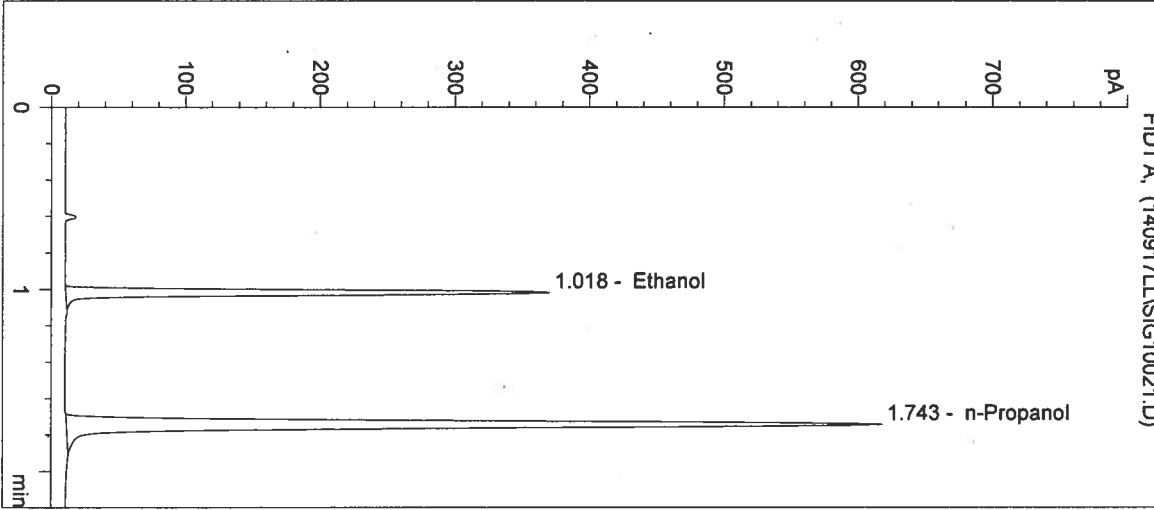
Operator: Lyndsey Lowe

Column: DB-ALC2

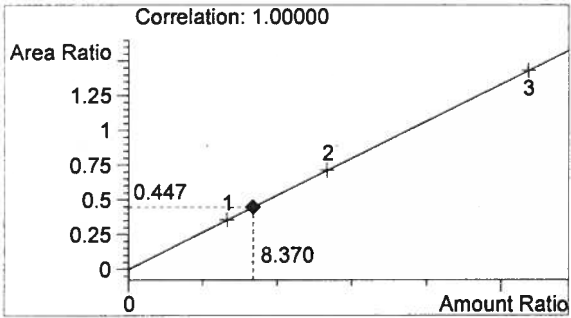
Location: Vial 21

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

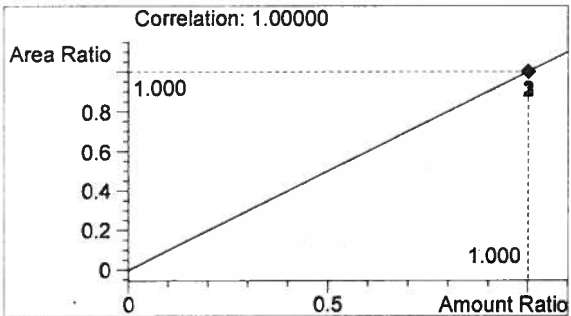
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	731	1.018
2	n-Propanol	1636	1.743



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature/initials

Inj. Date: 9/17/2014 11:52:58 AM

Sample Name: 0.10 Control

Instrument: HSGC#3

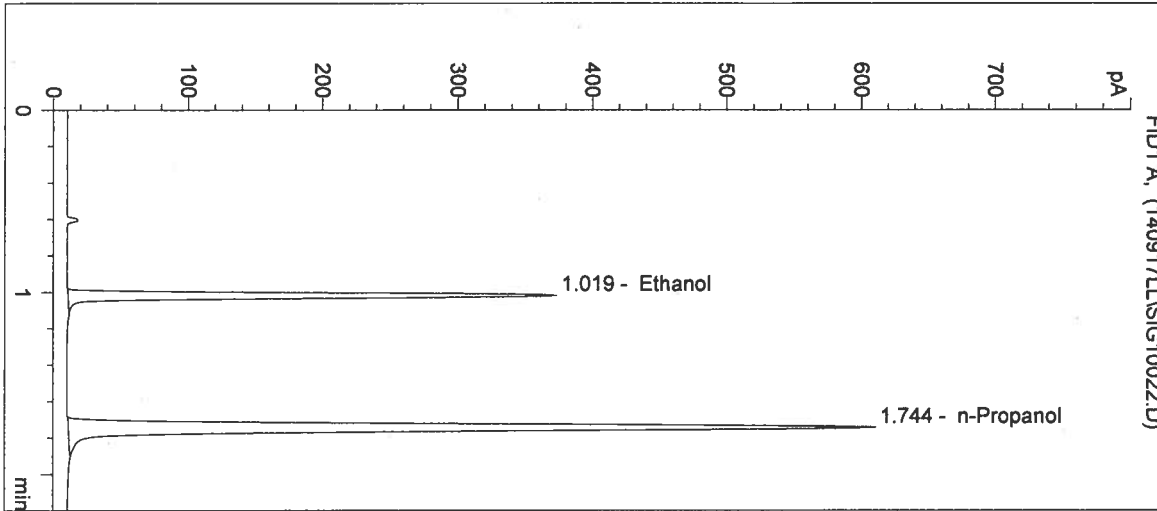
Operator: Lyndsey Lowe

Column: DB-ALC2

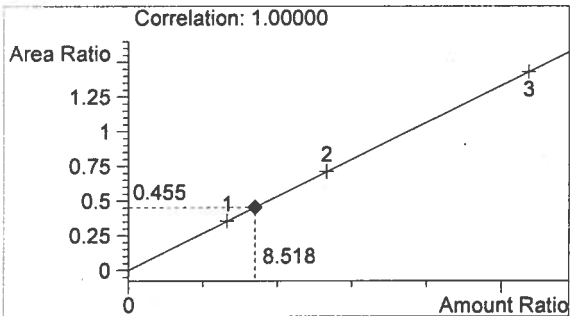
Location: Vial 22

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

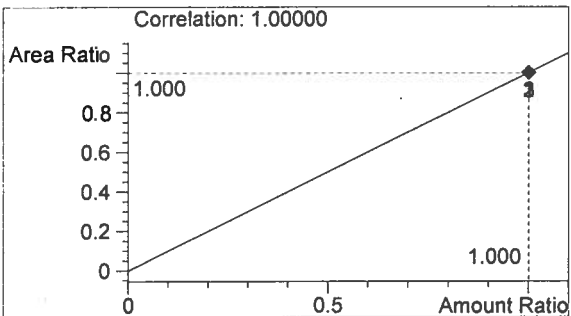
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	734	1.019
2	n-Propanol	1614	1.744



Ethanol 0.102 g/100mL

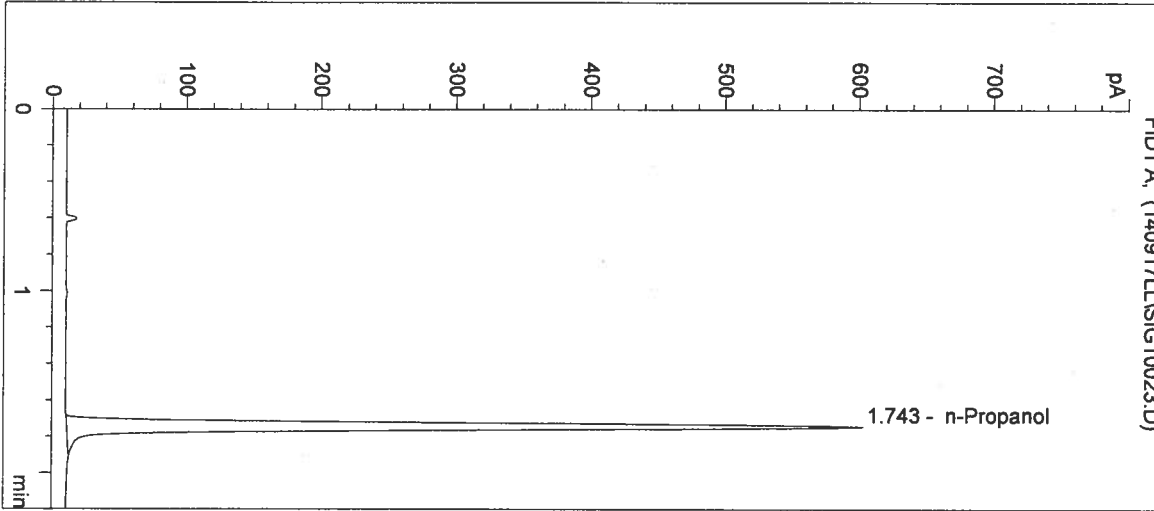


n-Propanol 0.012 g/100mL

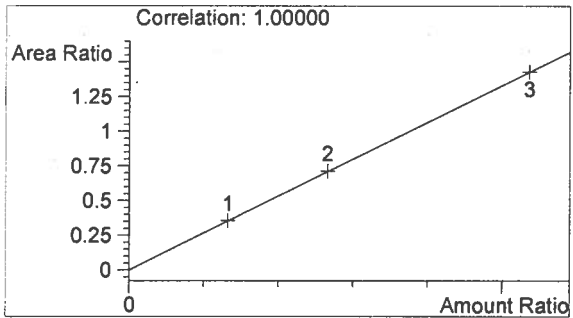
14037
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 du 10/7/14

Handwritten initials

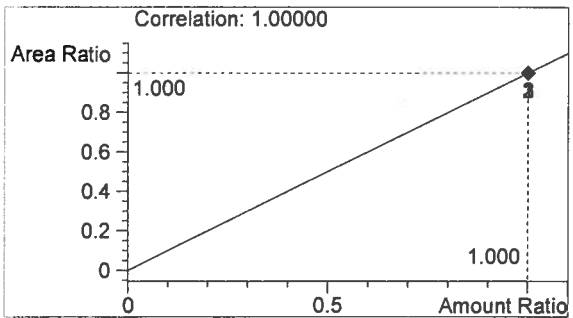
Inj. Date: 9/17/2014 11:56:11 AM Sample Name: Neg Control
 Instrument: HSGC#3 Operator: Lyndsey Lowe
 Column: DB-ALC2 Location: Vial 23
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1586	1.743



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14037
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 10/3/14
 ju 10/7/14

u
 ju

Sequence Parameters:

Operator: Katie Knorr
 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: 140919K1
 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#E0814-01 - Exp 2/19/15
 Cal 2 (0.158 g/100mL) - Lot#E0814-02 - Exp 2/19/15
 Cal 3 (0.316 g/100mL) - Lot#E0814-03 - Exp 2/19/15

 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# P0814 - Exp 10/30/14

1 4 0 3 6

1 4 0 3 7

Sequence Table (Front Injector):

1 4 0 3 8

1 4 0 3 9

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 Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	14036-1	SIMALC3	1	Sample		
11	Vial 11	14036-2	SIMALC3	1	Sample		
12	Vial 12	14036-3	SIMALC3	1	Sample		
13	Vial 13	14036-4	SIMALC3	1	Sample		
14	Vial 14	14036-5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	14037-1	SIMALC3	1	Sample		
18	Vial 18	14037-2	SIMALC3	1	Sample		
19	Vial 19	14037-3	SIMALC3	1	Sample		
20	Vial 20	14037-4	SIMALC3	1	Sample		
21	Vial 21	14037-5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	14038-1	SIMALC3	1	Sample		
25	Vial 25	14038-2	SIMALC3	1	Sample		
26	Vial 26	14038-3	SIMALC3	1	Sample		

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14038-4	SIMALC3	1	Sample		
28	Vial 28	14038-5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	14039-1	SIMALC3	1	Sample		
32	Vial 32	14039-2	SIMALC3	1	Sample		
33	Vial 33	14039-3	SIMALC3	1	Sample		
34	Vial 34	14039-4	SIMALC3	1	Sample		
35	Vial 35	14039-5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	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!

1 4 0 3 6

1 4 0 3 7

1 4 0 3 8

1 4 0 3 9

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Inj. Date: 9/19/2014 12:19:48 PM

Sample Name: 14037-1

Instrument: HSGC#3

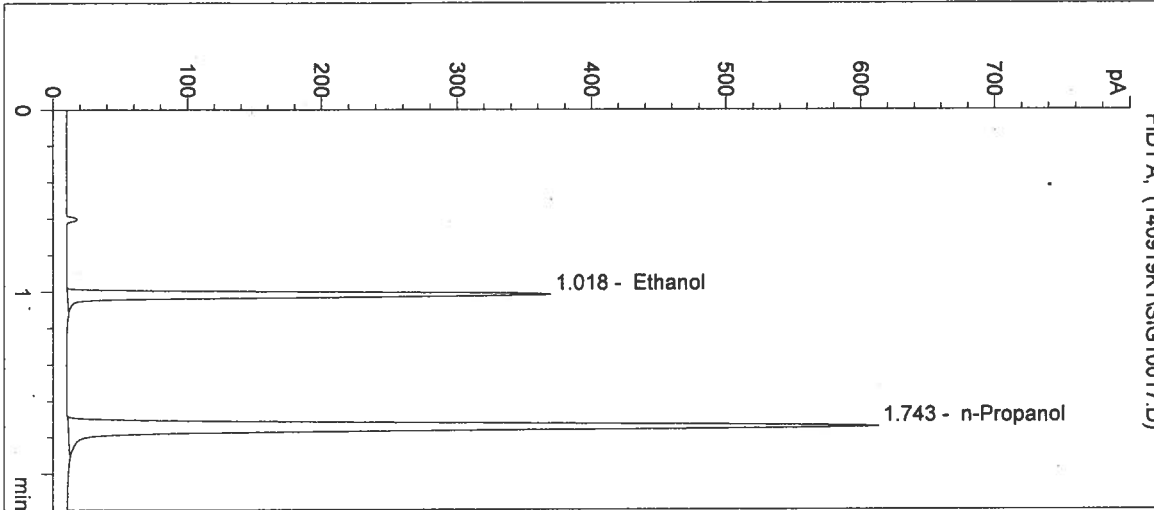
Operator: Katie Knorr

Column: DB-ALC2

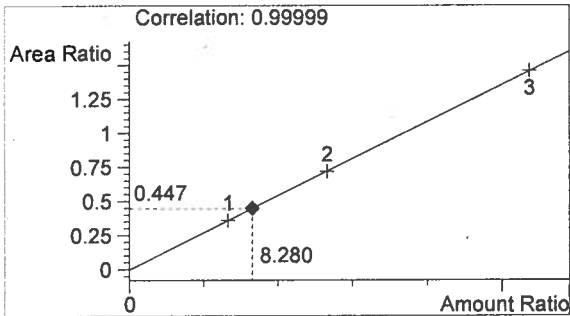
Location: Vial 17

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

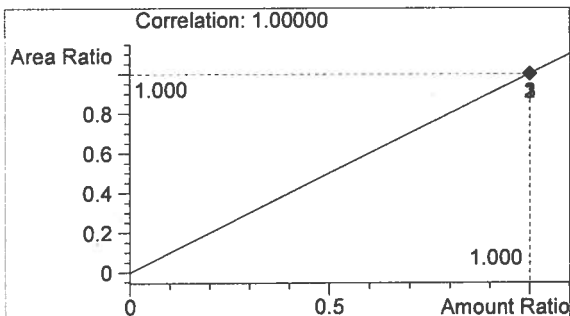
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	722	1.018
2	n-Propanol	1615	1.743



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/19/2014 12:23:02 PM

Sample Name: 14037-2

Instrument: HSGC#3

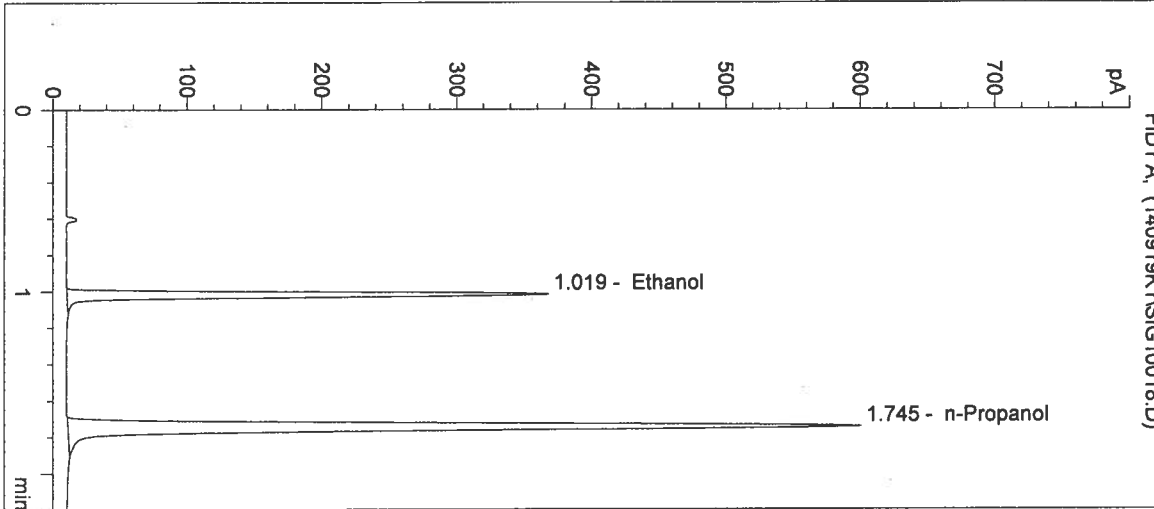
Operator: Katie Knorr

Column: DB-ALC2

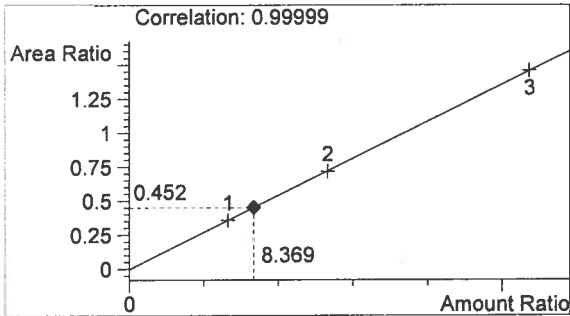
Location: Vial 18

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

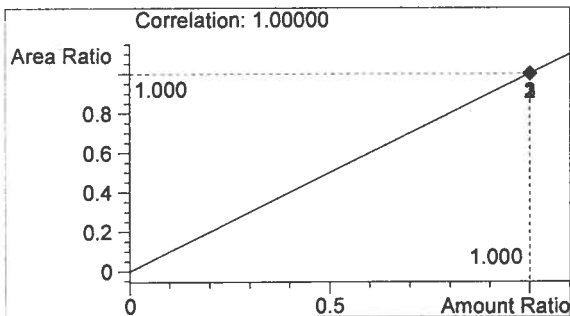
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	713	1.019
2	n-Propanol	1576	1.745



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/19/2014 12:26:15 PM

Sample Name: 14037-3

Instrument: HSGC#3

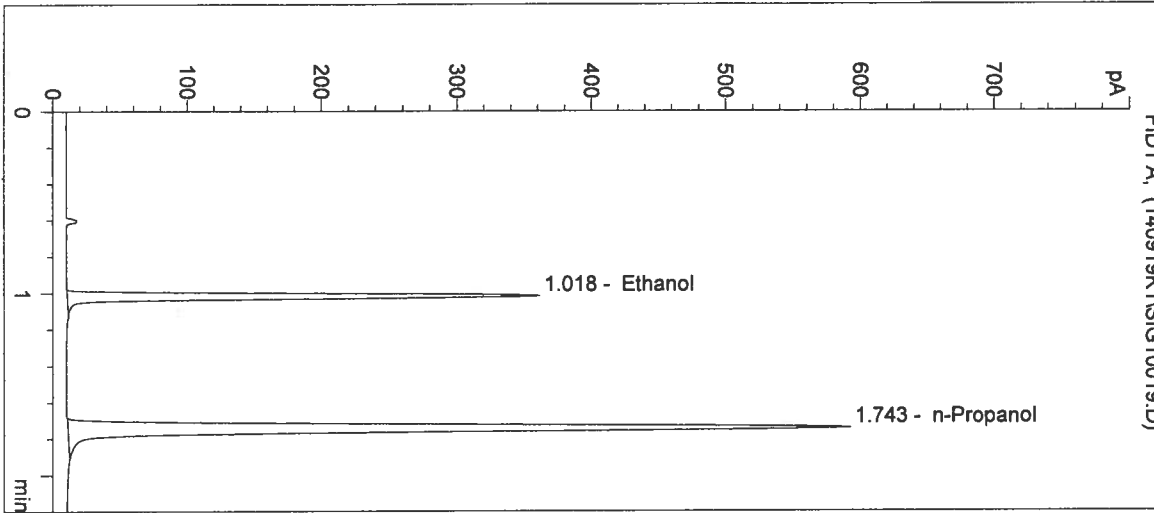
Operator: Katie Knorr

Column: DB-ALC2

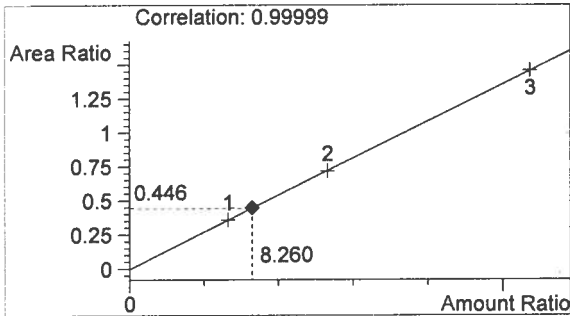
Location: Vial 19

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

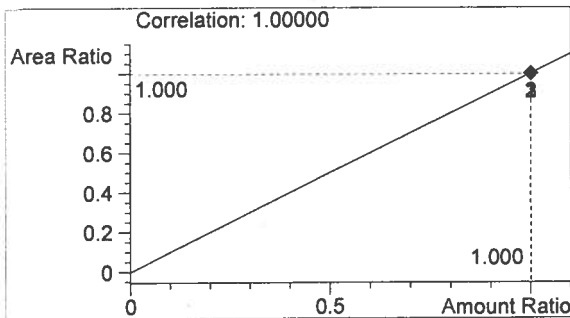
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	694	1.018
2	n-Propanol	1554	1.743



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/19/2014 12:29:28 PM

Sample Name: 14037-4

Instrument: HSGC#3

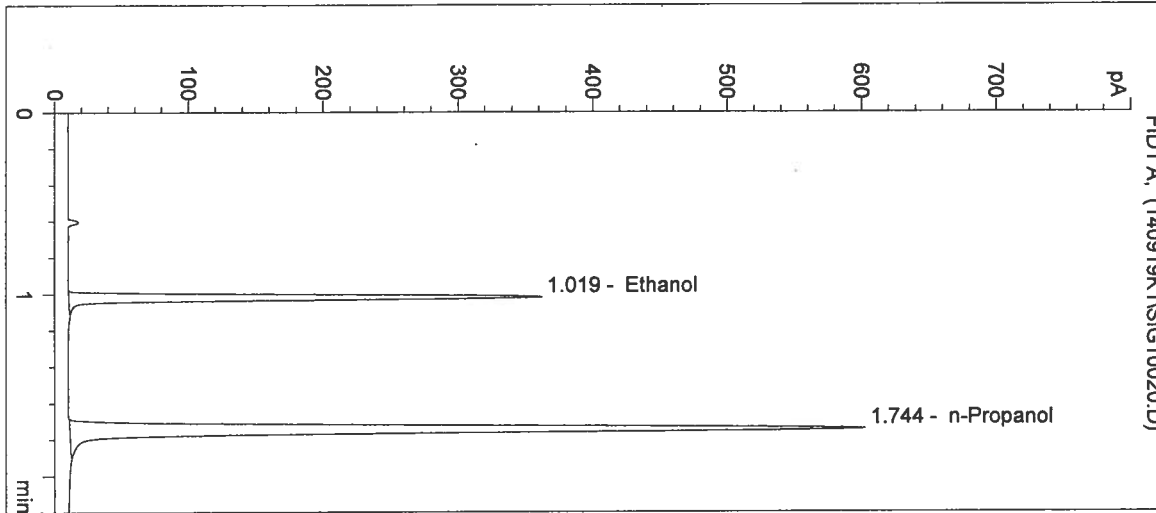
Operator: Katie Knorr

Column: DB-ALC2

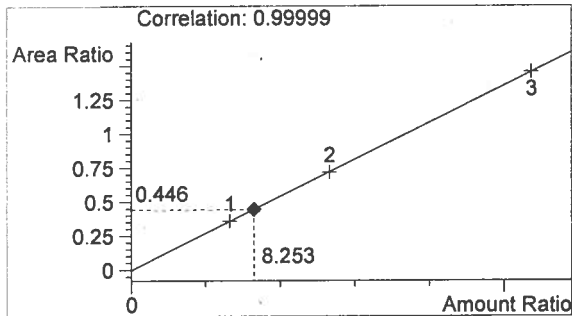
Location: Vial 20

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

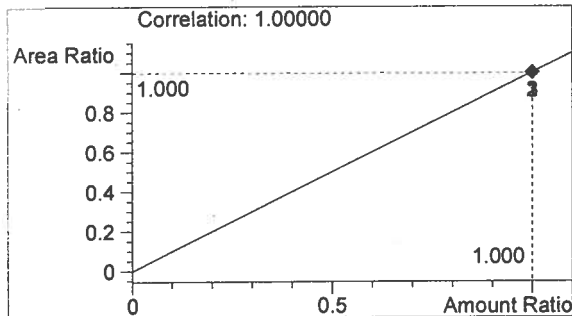
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	709	1.019
2	n-Propanol	1589	1.744



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/19/2014 12:32:42 PM

Sample Name: 14037-5

Instrument: HSGC#3

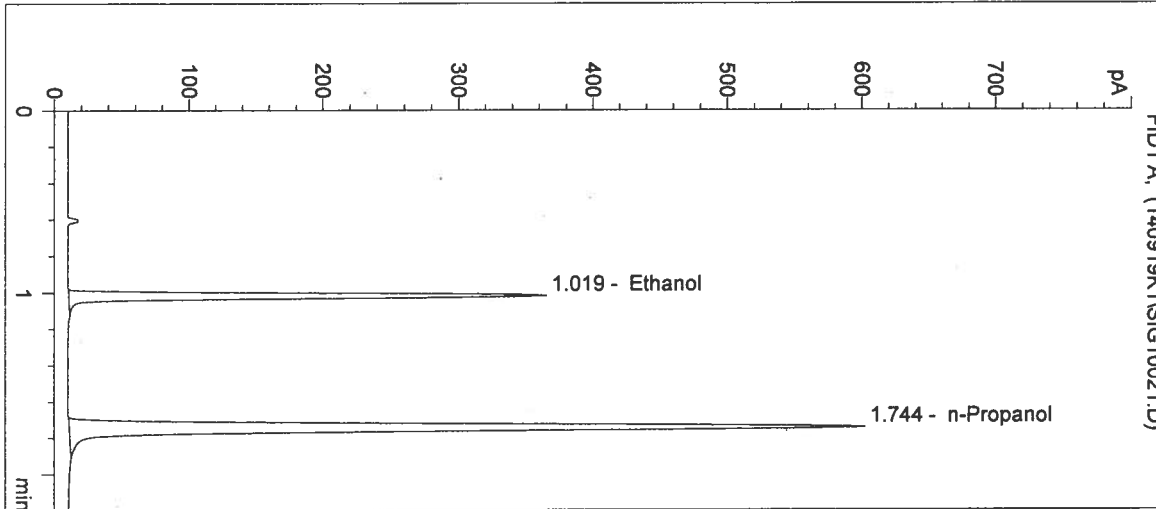
Operator: Katie Knorr

Column: DB-ALC2

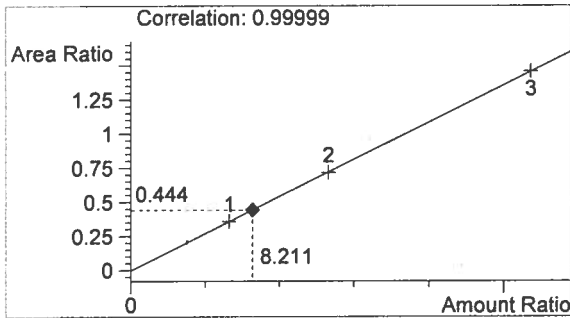
Location: Vial 21

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

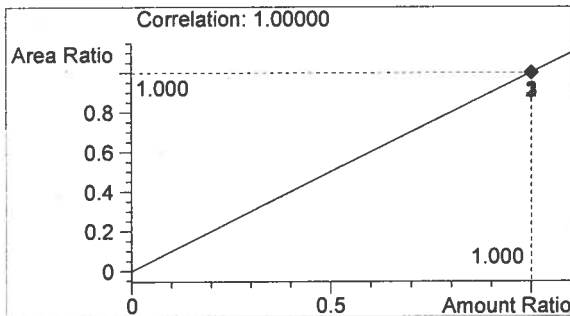
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	703	1.019
2	n-Propanol	1584	1.744



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/19/2014 12:35:55 PM

Sample Name: 0.10 Control

Instrument: HSGC#3

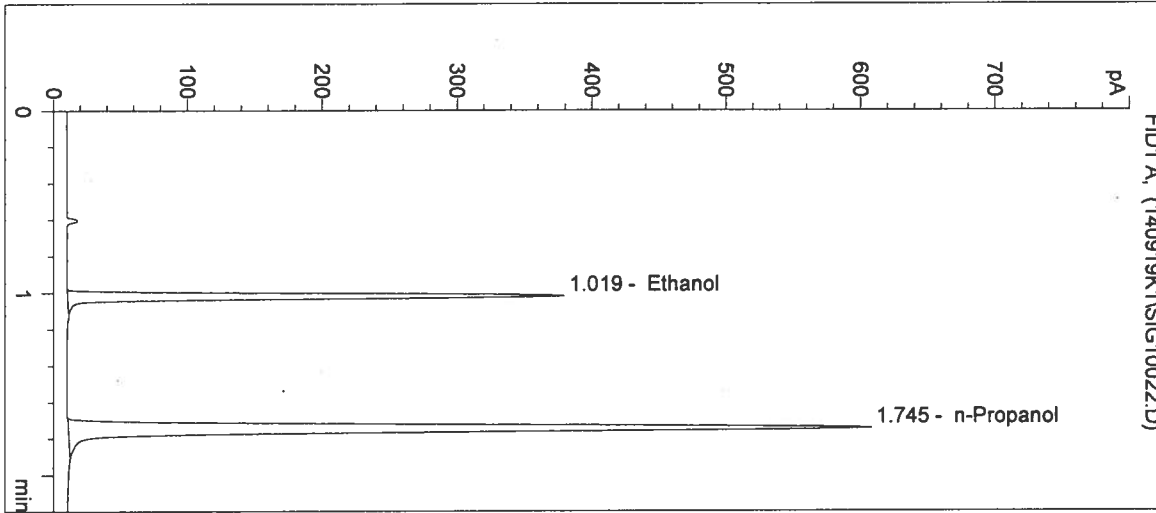
Operator: Katie Knorr

Column: DB-ALC2

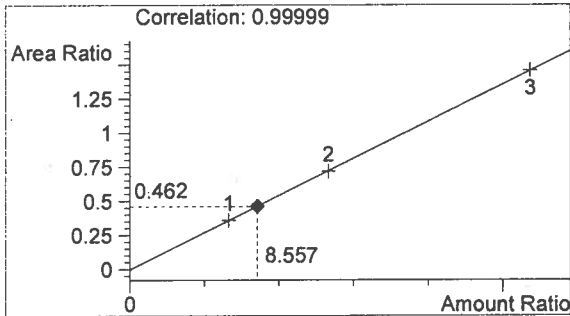
Location: Vial 22

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

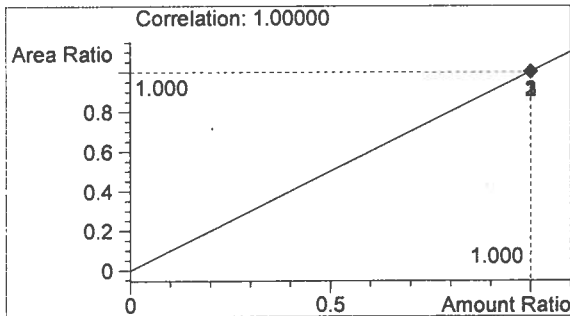
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	739	1.019
2	n-Propanol	1598	1.745



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/19/2014 12:39:09 PM

Sample Name: Neg Control

Instrument: HSGC#3

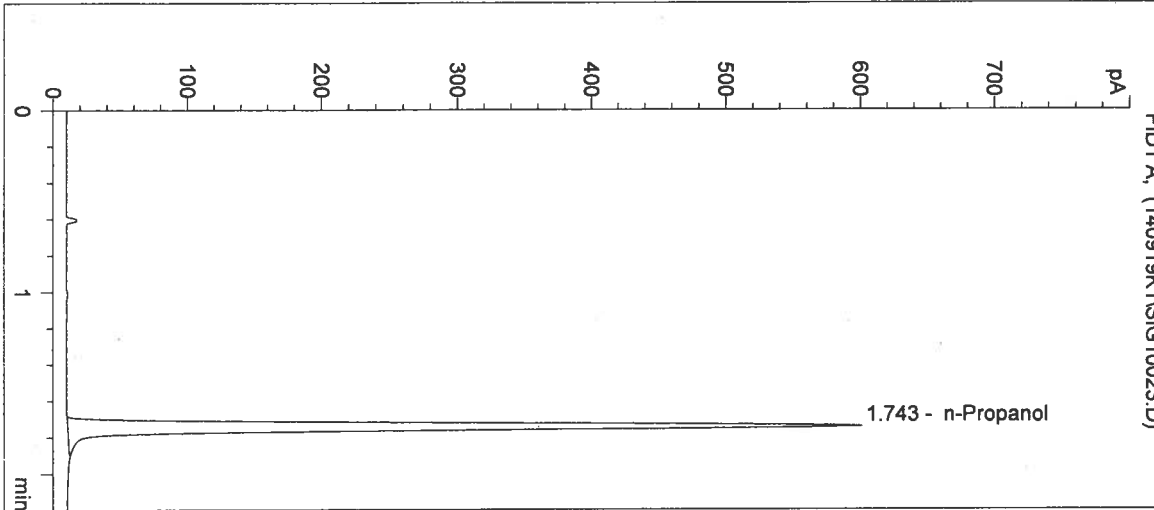
Operator: Katie Knorr

Column: DB-ALC2

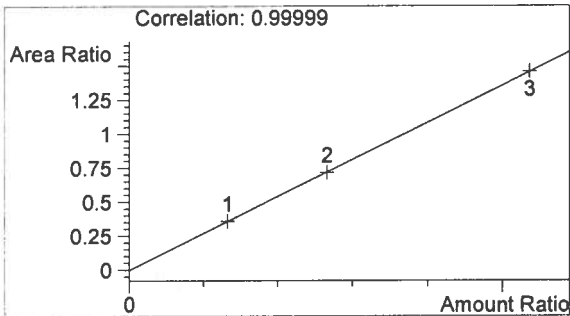
Location: Vial 23

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

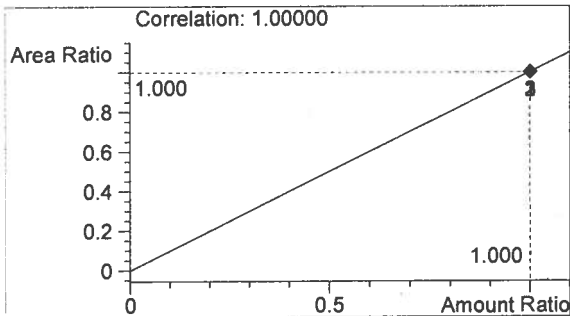
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1580	1.743



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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 2/10/17

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Sequence Parameters:

Operator: Chris Johnston
 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: 140923CJ
 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#E0814-01 - Exp 2/19/15
 Cal 2 (0.158 g/100mL) - Lot#E0814-02 - Exp 2/19/15
 Cal 3 (0.316 g/100mL) - Lot#E0814-03 - Exp 2/19/15

 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# P0814 - Exp 10/30/14

1 4 0 3 6

1 4 0 3 7

1 4 0 3 8

Sequence Table (Front Injector):

Method and Injection Info Part:

1 4 0 3 9

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 Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	14036-1	SIMALC3	1	Sample		
11	Vial 11	14036-2	SIMALC3	1	Sample		
12	Vial 12	14036-3	SIMALC3	1	Sample		
13	Vial 13	14036-4	SIMALC3	1	Sample		
14	Vial 14	14036-5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	14037-1	SIMALC3	1	Sample		
18	Vial 18	14037-2	SIMALC3	1	Sample		
19	Vial 19	14037-3	SIMALC3	1	Sample		
20	Vial 20	14037-4	SIMALC3	1	Sample		
21	Vial 21	14037-5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	14038-1	SIMALC3	1	Sample		
25	Vial 25	14038-2	SIMALC3	1	Sample		
26	Vial 26	14038-3	SIMALC3	1	Sample		

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14038-4	SIMALC3	1	Sample		
28	Vial 28	14038-5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	14039-1	SIMALC3	1	Sample		
32	Vial 32	14039-2	SIMALC3	1	Sample		
33	Vial 33	14039-3	SIMALC3	1	Sample		
34	Vial 34	14039-4	SIMALC3	1	Sample		
35	Vial 35	14039-5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	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!

1 4 0 3 6

1 4 0 3 7

1 4 0 3 8

1 4 0 3 9

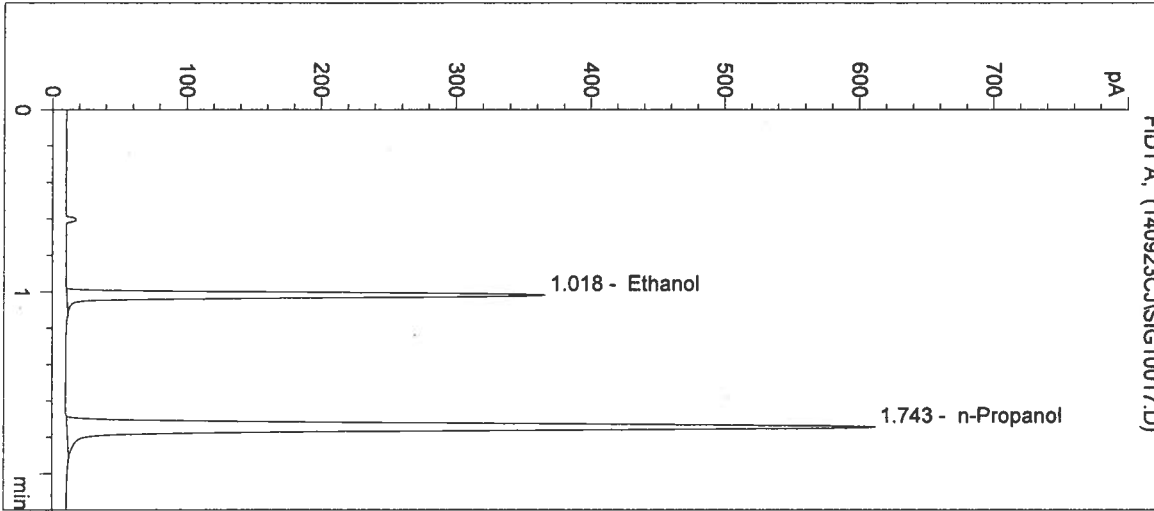
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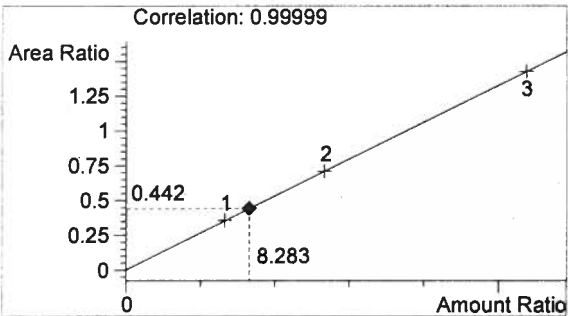
U

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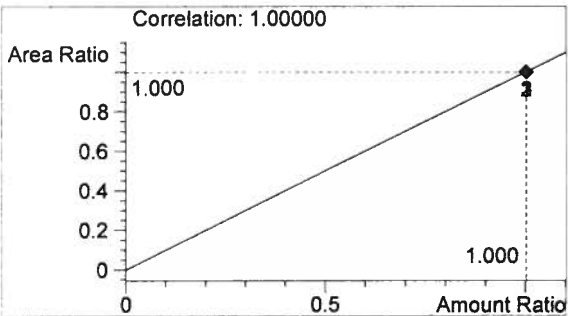
Inj. Date: 9/23/2014 5:28:19 PM Sample Name: 14037-1
 Instrument: HSGC#3 Operator: Chris Johnston
 Column: DB-ALC2 Location: Vial 17
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	714	1.018
2	n-Propanol	1616	1.743



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/23/2014 5:31:33 PM

Sample Name: 14037-2

Instrument: HSGC#3

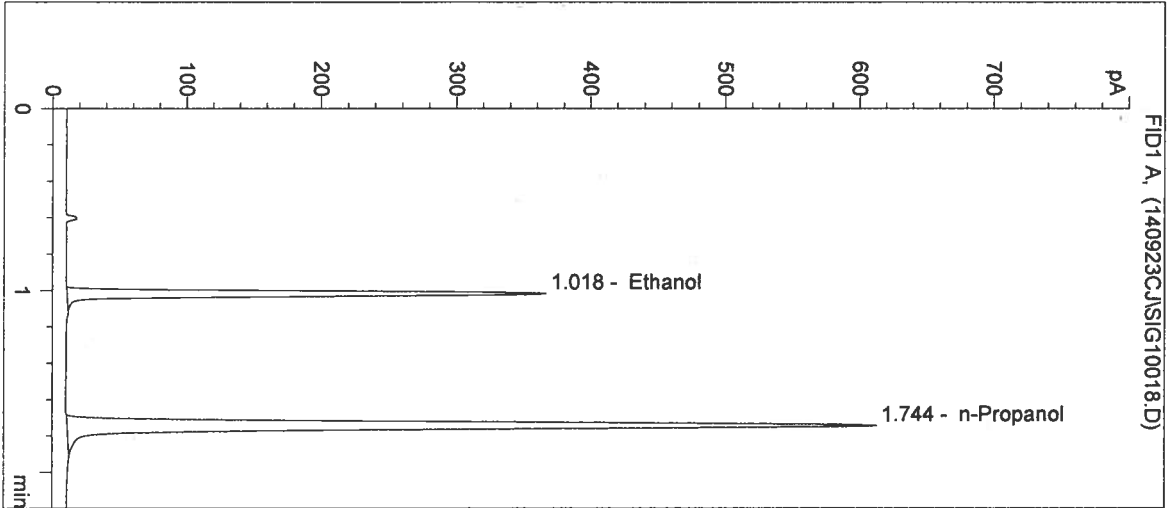
Operator: Chris Johnston

Column: DB-ALC2

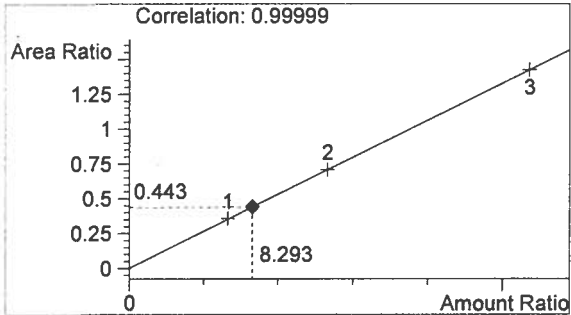
Location: Vial 18

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

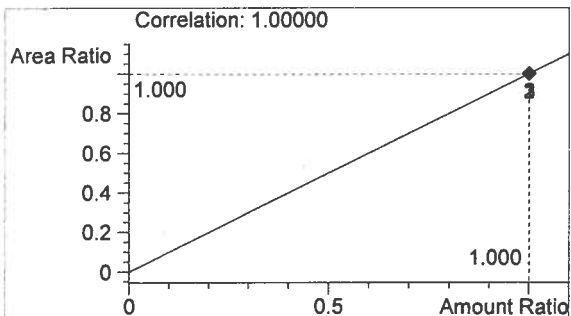
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	716	1.018
2	n-Propanol	1618	1.744



Ethanol 0.100 g/100mL



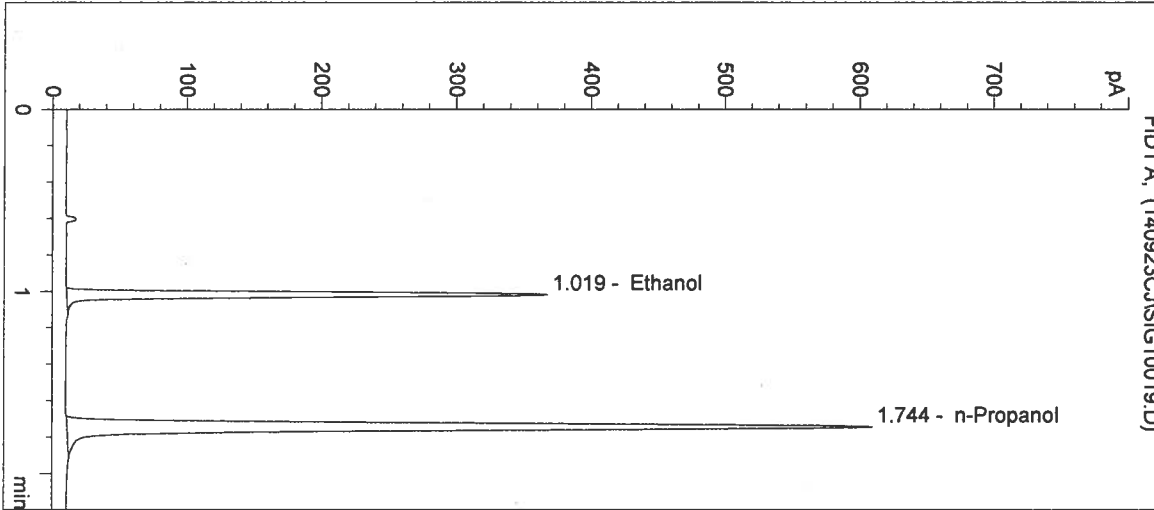
n-Propanol 0.012 g/100mL

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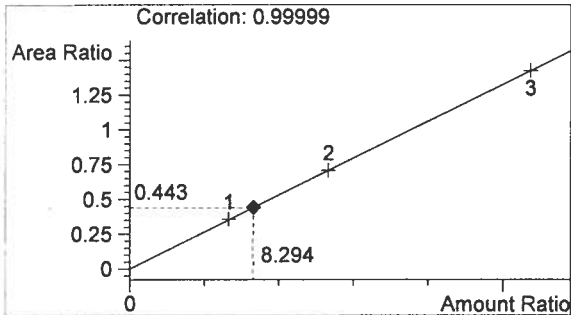
W

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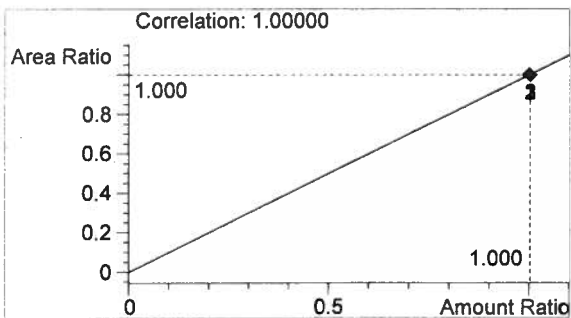
Inj. Date: 9/23/2014 5:34:46 PM Sample Name: 14037-3
 Instrument: HSGC#3 Operator: Chris Johnston
 Column: DB-ALC2 Location: Vial 19
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	711	1.019
2	n-Propanol	1606	1.744



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/23/2014 5:38:00 PM

Sample Name: 14037-4

Instrument: HSGC#3

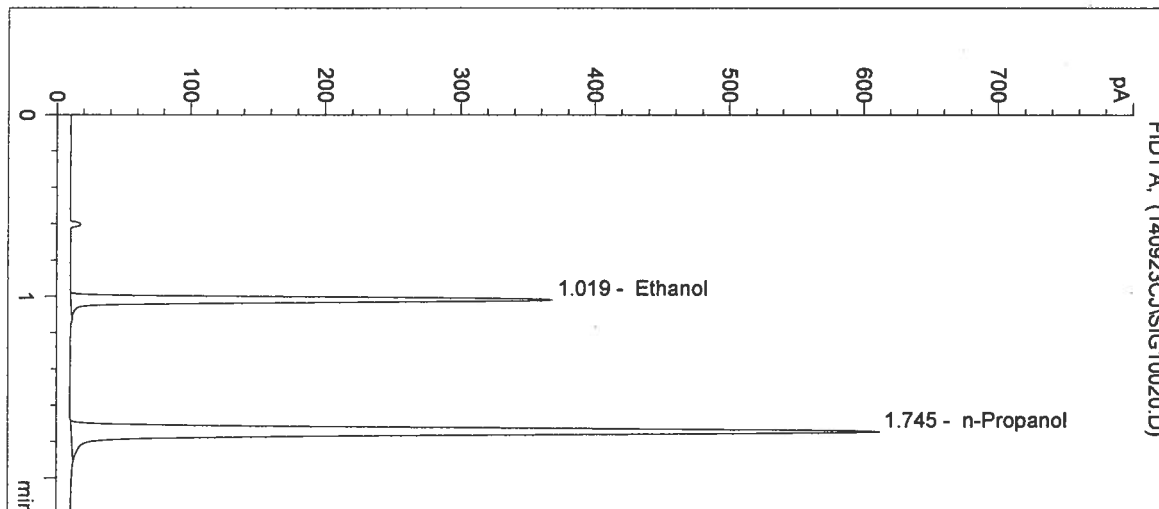
Operator: Chris Johnston

Column: DB-ALC2

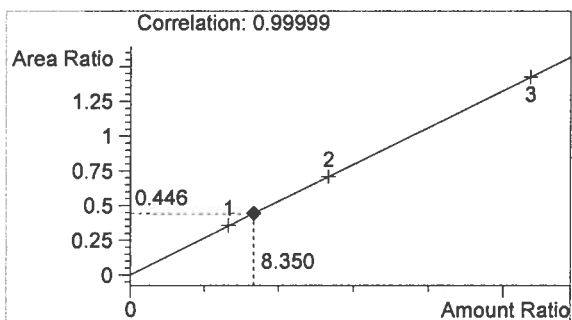
Location: Vial 20

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

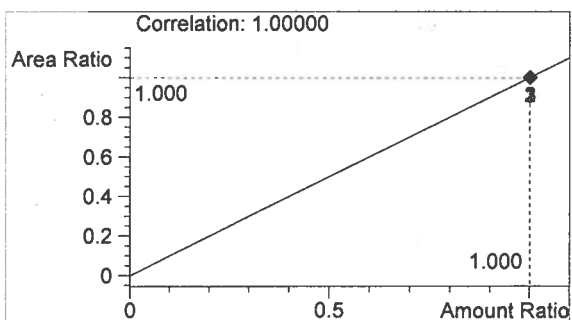
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	718	1.019
2	n-Propanol	1612	1.745



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/23/2014 5:41:13 PM

Sample Name: 14037-5

Instrument: HSGC#3

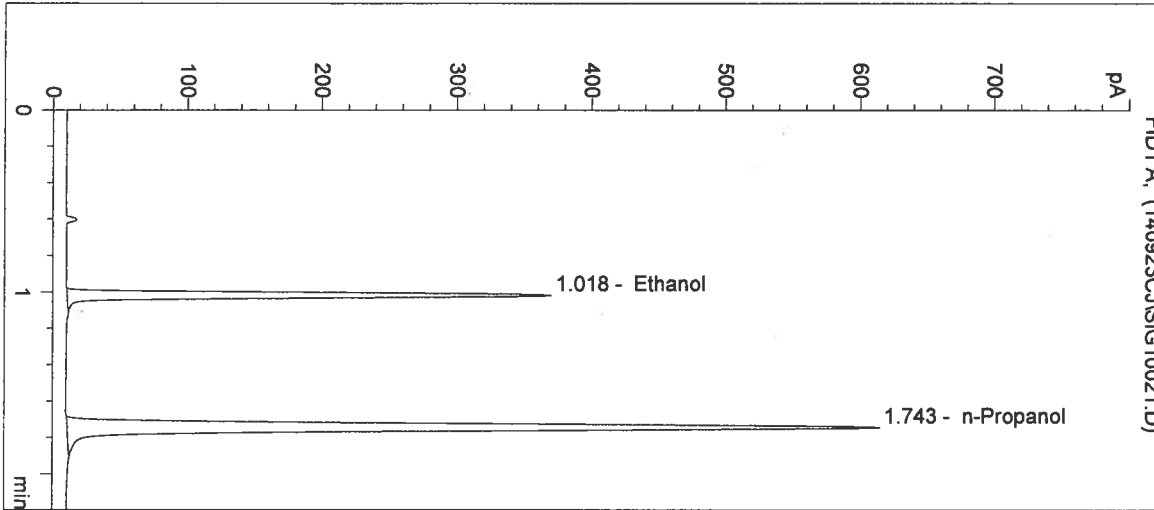
Operator: Chris Johnston

Column: DB-ALC2

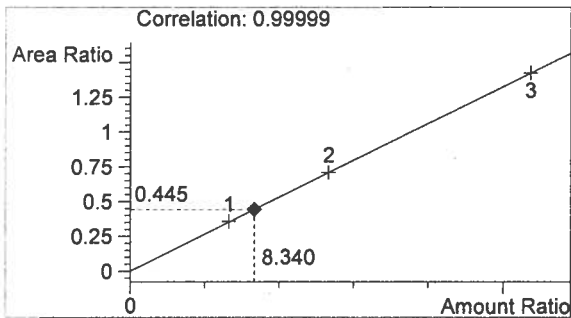
Location: Vial 21

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

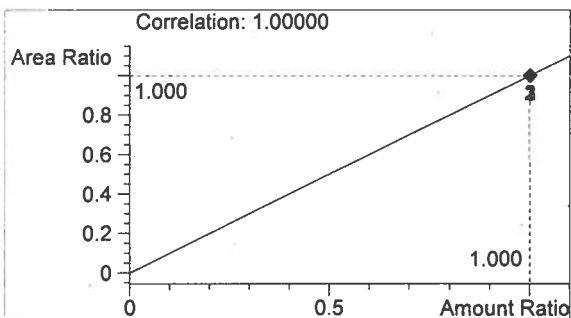
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	720	1.018
2	n-Propanol	1617	1.743



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/23/2014 5:44:26 PM

Sample Name: 0.10 Control

Instrument: HSGC#3

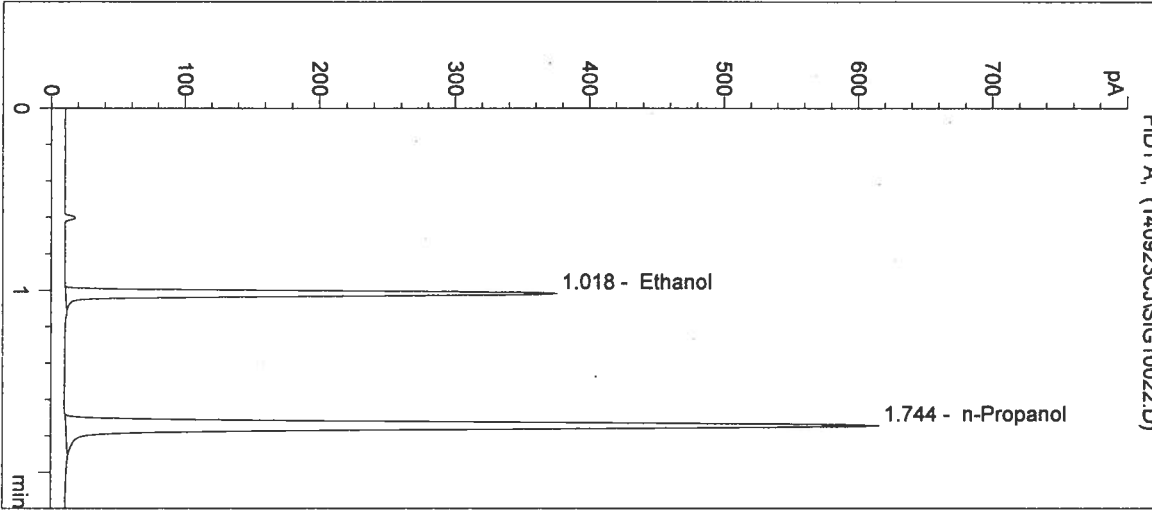
Operator: Chris Johnston

Column: DB-ALC2

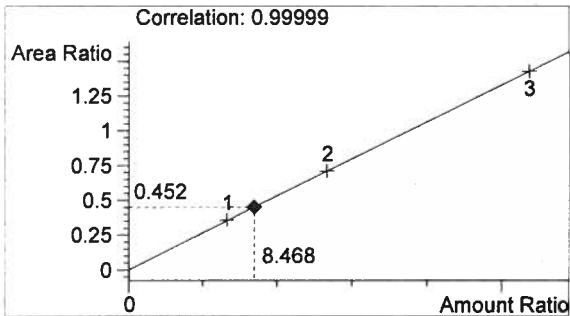
Location: Vial 22

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

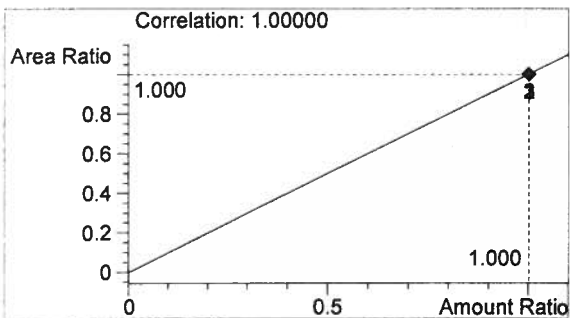
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	734	1.018
2	n-Propanol	1625	1.744



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

14037
 stamped
 10/3/14
 re 10/7/14

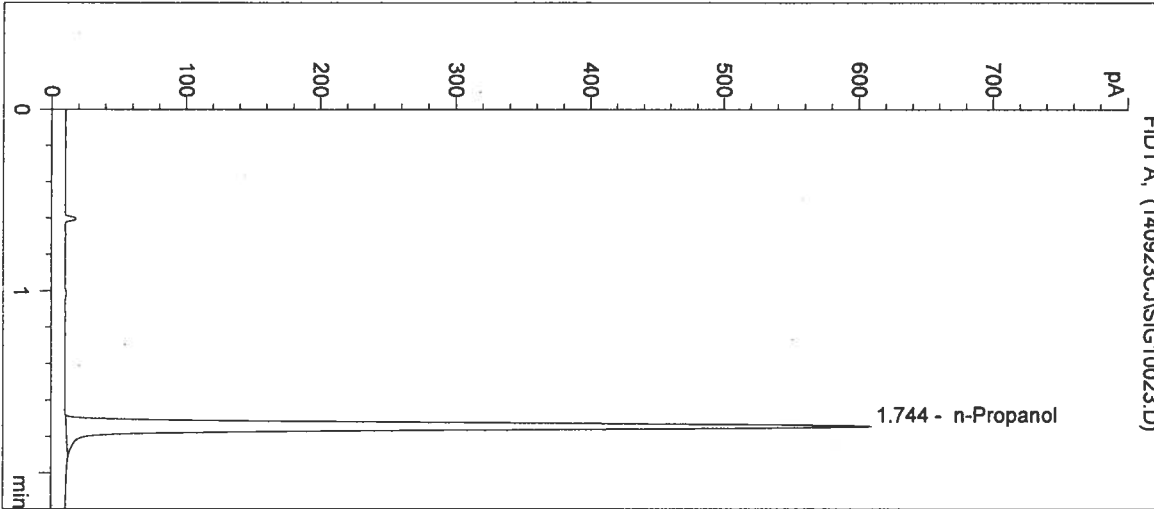
Handwritten signature

Handwritten mark

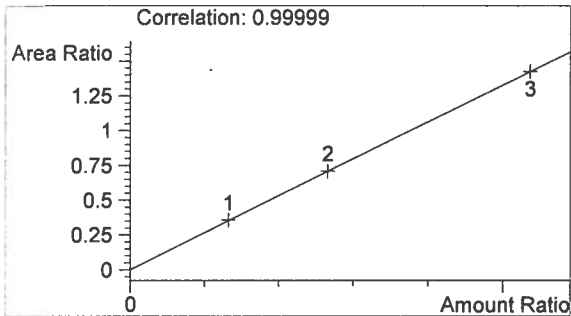
Inj. Date: 9/23/2014 5:47:40 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: Neg Control
Operator: Chris Johnston
Location: Vial 23

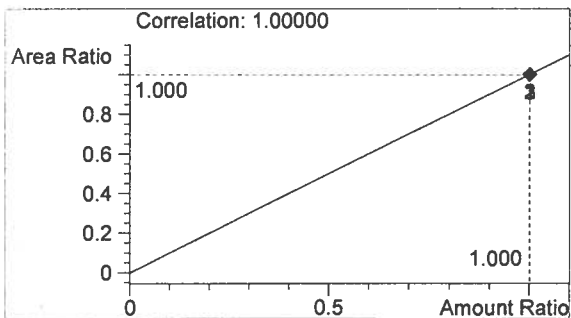
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1607	1.744



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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10/3/14
JN 10/7/14

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