



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 15009

**CUSTOMER INFORMATION**

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

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

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.04 g/210L  
DATE PREPARED: 02/02/2015  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: David Nguyen

	DN	EW	AC
1	0.051	0.050	0.050
2	0.050	0.049	0.050
3	0.051	0.049	0.050
4	0.050	0.050	0.050
5	0.051	0.050	0.050
C	0.104	0.104	0.102

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.0501 g/100mL PRECISION CV (%): 1.19  
STANDARD DEVIATION: 0.00059 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0407 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

*Lisa Noble*  
\_\_\_\_\_  
Lisa Noble Forensic Scientist Supervisor      3/18/15  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
DN	David Nguyen	<i>David Nguyen</i>	02/02/2015
EW	Elizabeth Wehner	<i>Elizabeth Wehner</i>	02/03/2015
AC	Amanda Chandler	<i>Amanda Chandler</i>	02/09/2015

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

QAP Solution Batch #: 15009

Date Prepared: 2/2/2015

Analyst:	DN	EW	AC
Date Tested:	2/2/2015	2/3/2015	2/9/2015
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.051	0.050	0.050
2	0.050	0.049	0.050
3	0.051	0.049	0.050
4	0.050	0.050	0.050
5	0.051	0.050	0.050
C	0.104	0.104	0.102

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.000084100	0.000093718	0.0000416233	0.0001016326

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

Average Solution Concentration: 0.0501 g/100mL  
Standard Deviation: 0.00059 g/100mL  
Precision CV (%): 1.19  
Equivalent Vapor Concentration: 0.0407 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0005 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0010 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 3/9/15  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 3-17-15  
Name Signature Date

Method: Hand calculation


Tech. review performed by: Lisa Noble [Signature] 3/9/15  
Name Signature Date

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda H. Black Date: 3-17-15  
Location: WSP-FLSB Seattle, WA Solution Batch Number: 15009

	YES	NO	N/A
Analysis dates do not precede preparation date:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Declarations signed and properly dated:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All signatures present on Test Report:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Average solution concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CV (%) correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All chromatograms and sequences included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethanol control information present: (lot # present & used within expiration)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Reviewer Signature:  Date: 3-17-15

## 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	AC	3/10/15
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	3/9/15
Dawn Sklerov		
Elizabeth Wehner	EW	03/10/15
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 15009 on 3/9/15

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 15009**


I, David Nguyen, 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 15009, was prepared in the Washington State Toxicology Laboratory on 2/2/2015. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/2/2016.

Seattle, WA

 3/9/15  
\_\_\_\_\_  
David Nguyen 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 15009**

I, Elizabeth Wehner, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 15009, was prepared in the Washington State Toxicology Laboratory on 2/2/2015. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/2/2016.

Seattle, WA

*Elizabeth Wehner* 03/10/15

Elizabeth Wehner

Date

Forensic Scientist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 15009**

I, Amanda Chandler, 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: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 15009, was prepared in the Washington State Toxicology Laboratory on 2/2/2015. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 2/2/2016.

Seattle, WA

 2/10/15

Amanda Chandler  
Forensic Scientist

Date

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

Preparation Date: 2/2/15 Expiration Date: 2/2/16 Initials of Preparer: DN

Lot # of 200-proof Ethanol used in preparation: 2DG0231

Date the 200-proof Ethanol bottle was opened: 2/2/15

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

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>15009</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>15010</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>15011</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>15012</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>15013</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

2/2/15  
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: 15013 has three values out discarded. 2/13/15 DN

  
Analyst Signature

2/2/15  
Date



Sequence Parameters:

Operator: David Nguyen  
 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: 150202DN  
 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#: E1214-01 Exp. 06/03/2015  
 CAL 2: 0.158 g/100mL - Lot#: E1214-02 Exp. 06/03/2015  
 CAL 3: 0.316 g/100mL - Lot#: E1214-03 Exp. 06/03/2015  
  
 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#: P0115 Exp. 04/27/2015  
  
 Calibration vials 1-9 are filed with Batch 15009.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15009 #1	SIMALC3	1	Sample		
11	Vial 11	15009 #2	SIMALC3	1	Sample		
12	Vial 12	15009 #3	SIMALC3	1	Sample		
13	Vial 13	15009 #4	SIMALC3	1	Sample		
14	Vial 14	15009 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15010 #1	SIMALC3	1	Sample		
18	Vial 18	15010 #2	SIMALC3	1	Sample		
19	Vial 19	15010 #3	SIMALC3	1	Sample		
20	Vial 20	15010 #4	SIMALC3	1	Sample		
21	Vial 21	15010 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15011 #1	SIMALC3	1	Sample		

- 15009  
 for 2/2/15

for  
 DN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	15011 #2	SIMALC3	1	Sample		
26	Vial 26	15011 #3	SIMALC3	1	Sample		
27	Vial 27	15011 #4	SIMALC3	1	Sample		
28	Vial 28	15011 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15012 #1	SIMALC3	1	Sample		
32	Vial 32	15012 #2	SIMALC3	1	Sample		
33	Vial 33	15012 #3	SIMALC3	1	Sample		
34	Vial 34	15012 #4	SIMALC3	1	Sample		
35	Vial 35	15012 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15013 #1	SIMALC3	1	Sample		
39	Vial 39	15013 #2	SIMALC3	1	Sample		
40	Vial 40	15013 #3	SIMALC3	1	Sample		
41	Vial 41	15013 #4	SIMALC3	1	Sample		
42	Vial 42	15013 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15009  
for 2/19/15

for

DN

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

Calib. Data Modified : Monday, February 02, 2015 10:41:09 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
1.019	1 1	7.89800e-2	623.64209	1.26643e-4	1	Ethanol
		1.59900e-1	1122.17798	1.42491e-4		
		3.22070e-1	2470.14746	1.30385e-4		
1.745	1 1	1.20000e-2	1714.06714	7.00089e-6	I1	n-Propanol
		1.20000e-2	1560.64172	7.68914e-6		
		1.20000e-2	1686.06616	7.11716e-6		

15009  
for 2/2/15

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

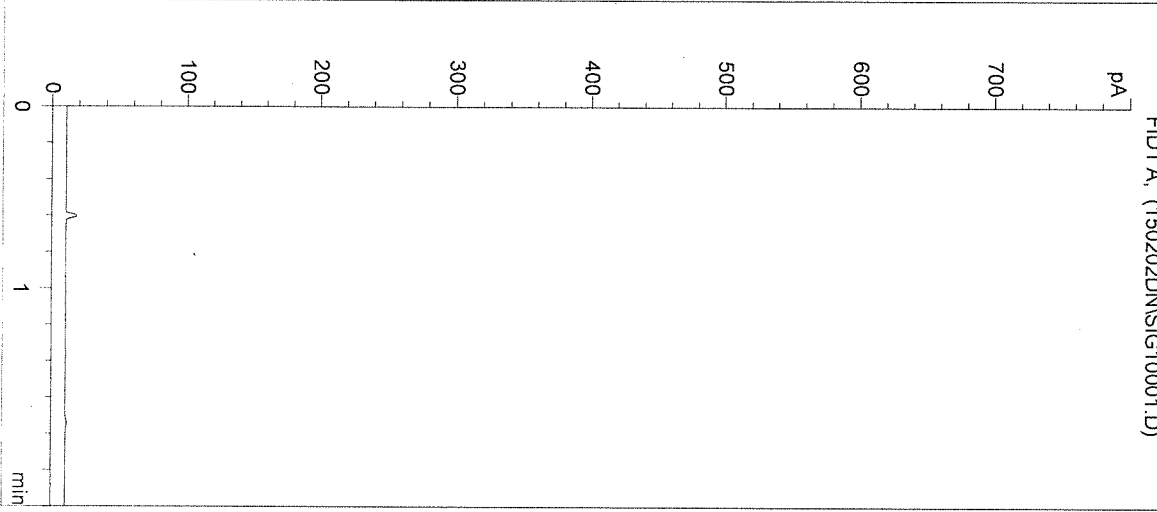
\*\*\*No Entries in table\*\*\*  
=====

fr  
DN

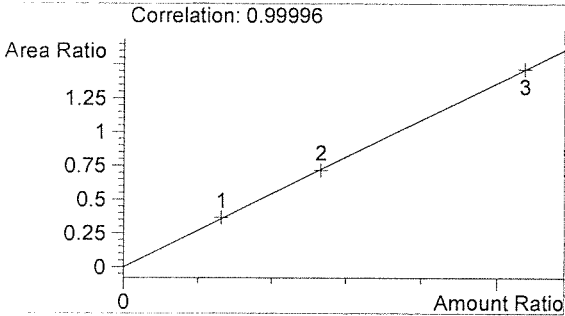


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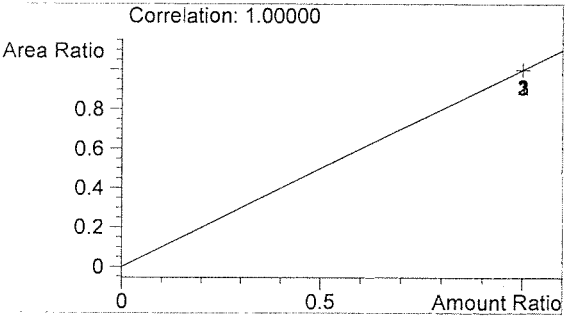
Inj. Date: 2/2/2015 10:29:04 AM      Sample Name: BLANK  
Instrument: HSGC#3      Operator: David Nguyen  
Column: DB-ALC2      Location: Vial 1  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 15009



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



Ethanol      0.000 g/100mL



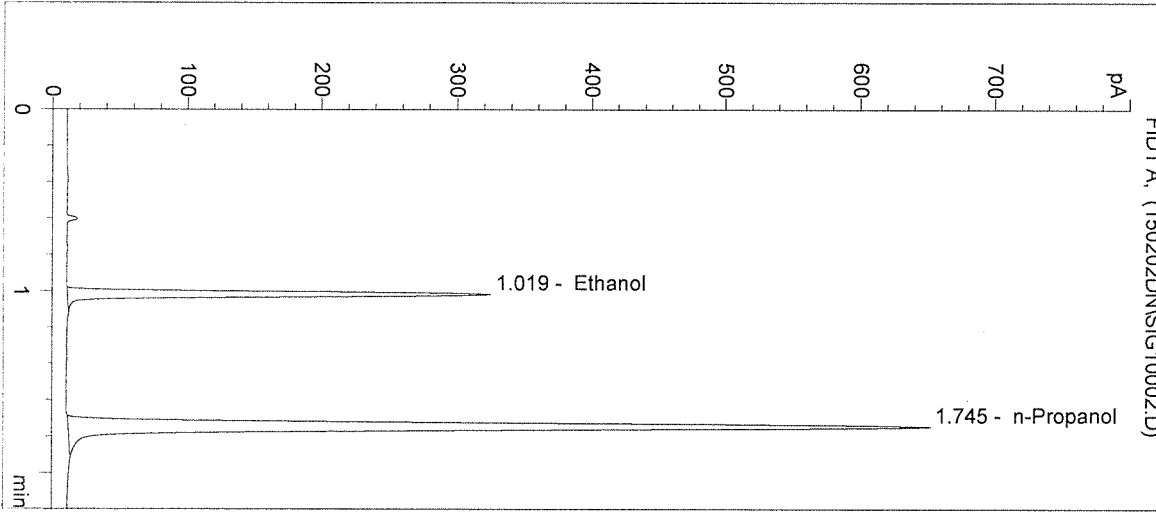
n-Propanol      0.000 g/100mL

*for*

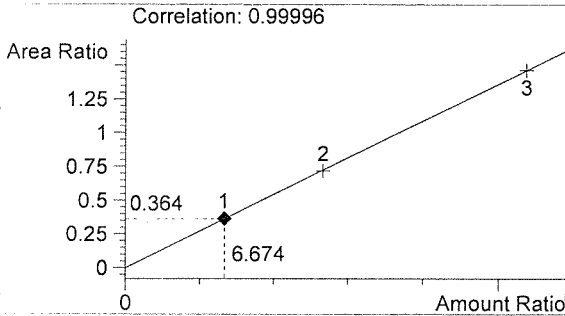
*DN*

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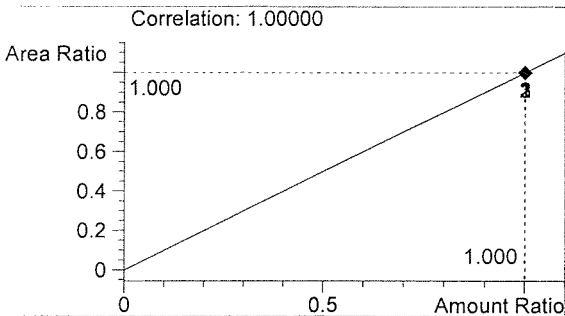
Inj. Date: 2/2/2015 10:32:22 AM      Sample Name: CAL 1 (0.079)  
 Instrument: HSGC#3      Operator: David Nguyen  
 Column: DB-ALC2      Location: Vial 2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CAL 1: 0.079 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	624	1.019
2	n-Propanol	1714	1.745



Ethanol      0.080 g/100mL



n-Propanol      0.012 g/100mL

*fu*

DN

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Inj. Date: 2/2/2015 10:35:39 AM

Sample Name: CAL 2 (0.158)

Instrument: HSGC#3

Operator: David Nguyen

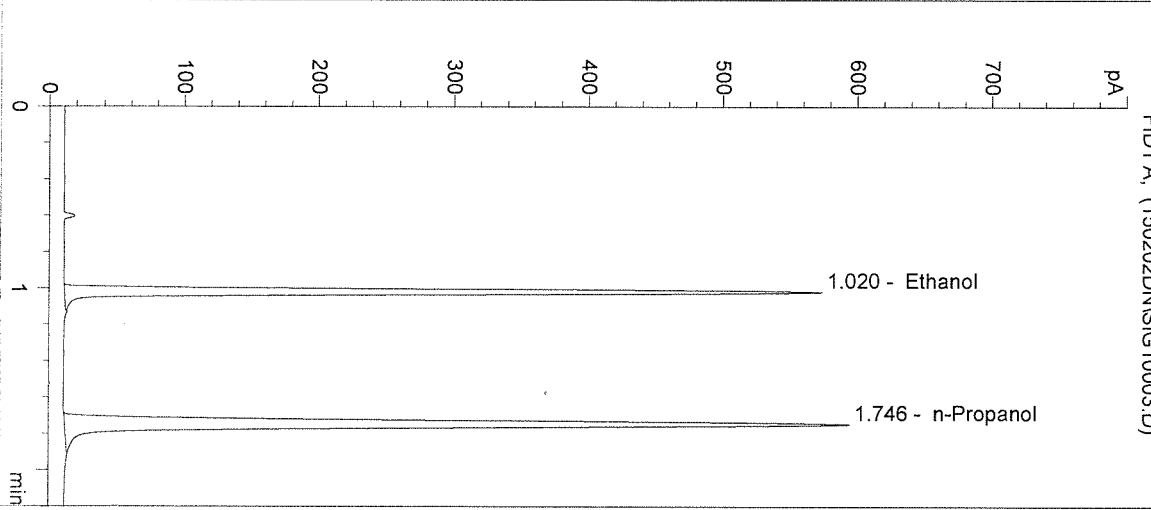
Column: DB-ALC2

Location: Vial 3

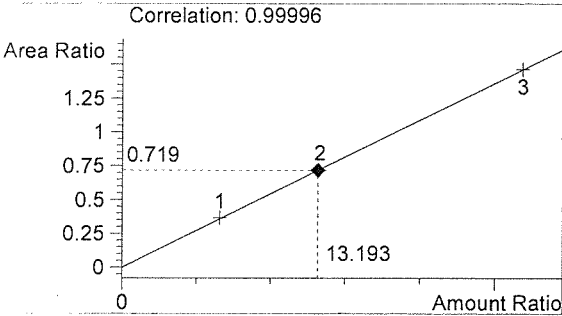
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 2: 0.158 g/100mL  
 15009

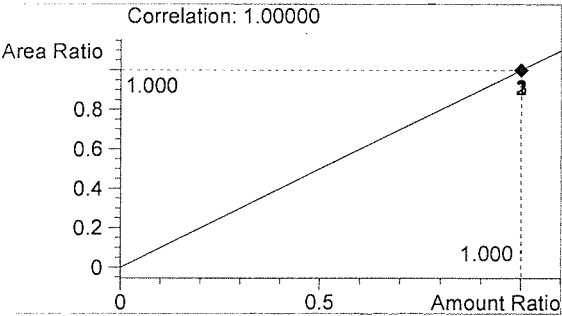
- >



#	Compound	Peak Area	RT (min)
1	Ethanol	1122	1.020
2	n-Propanol	1561	1.746



Ethanol 0.158 g/100mL

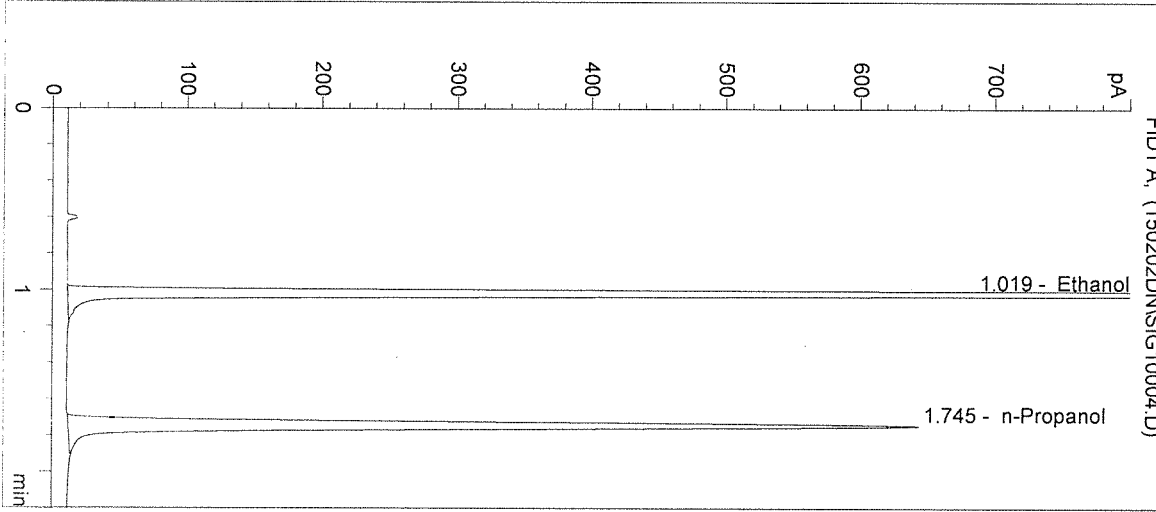


n-Propanol 0.012 g/100mL

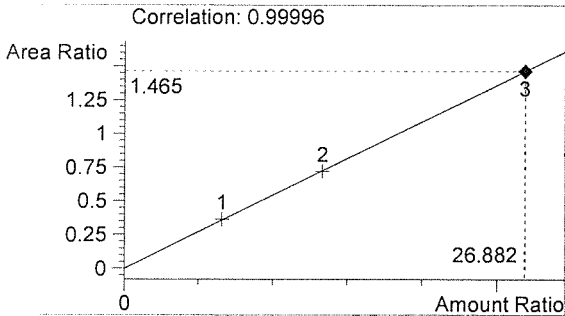
*fn*

DN

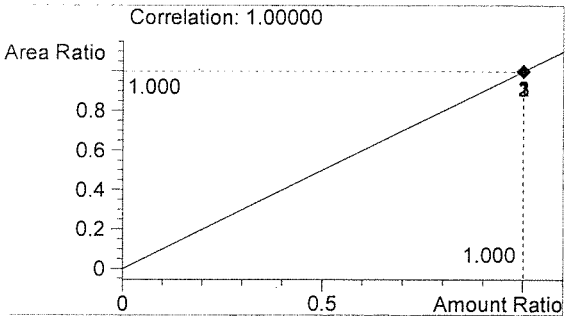
Inj. Date: 2/2/2015 10:38:56 AM      Sample Name: CAL 3 (0.316)  
 Instrument: HSGC#3      Operator: David Nguyen  
 Column: DB-ALC2      Location: Vial 4  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CAL 3: 0.316 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	2470	1.019
2	n-Propanol	1686	1.745



Ethanol      0.323 g/100mL



n-Propanol      0.012 g/100mL

*fr*

*DN*



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Inj. Date: 2/2/2015 10:42:09 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

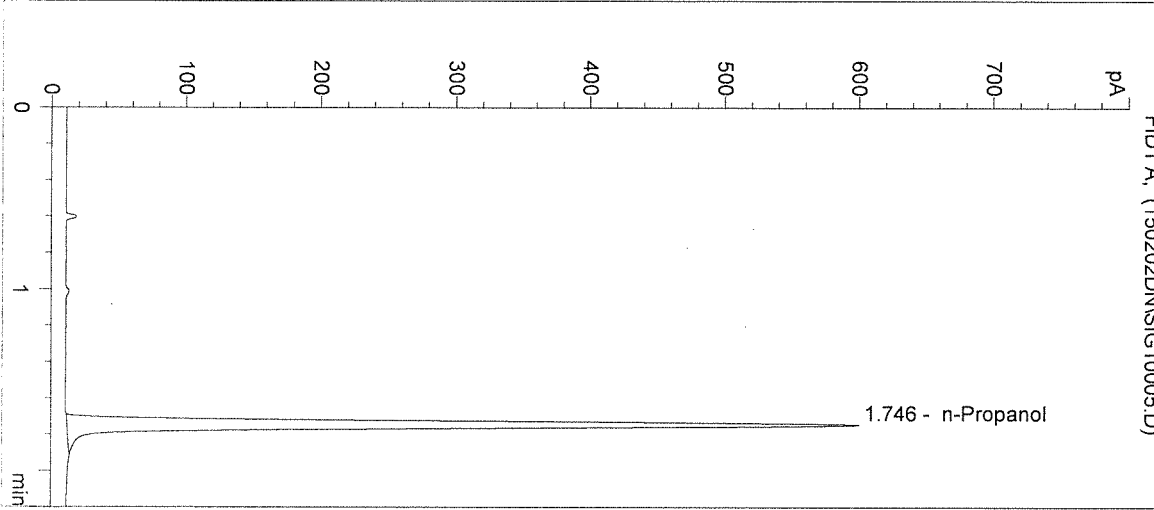
Operator: David Nguyen

Column: DB-ALC2

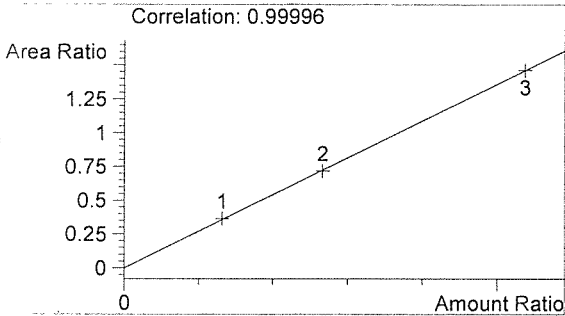
Location: Vial 5

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

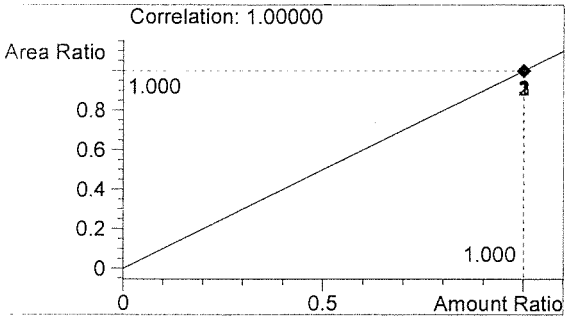
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1575	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

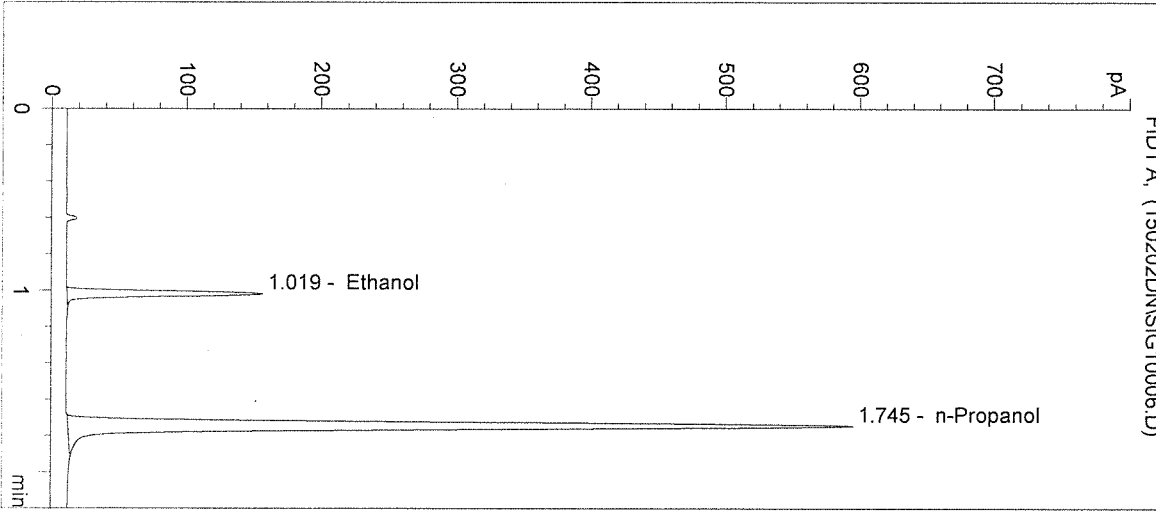
*DN*

*DN*

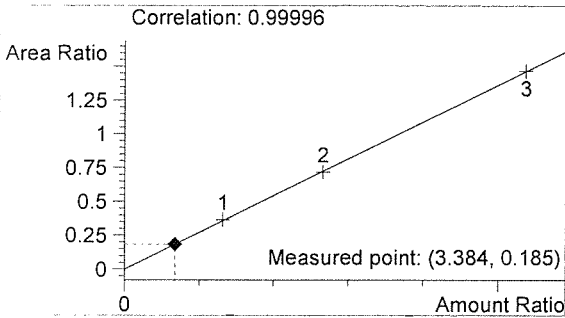
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/2/2015 10:45:23 AM      Sample Name: CTRL 1 (0.04)  
 Instrument: HSGC#3      Operator: David Nguyen  
 Column: DB-ALC2      Location: Vial 6  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 1: 0.04 g/100mL  
 15009

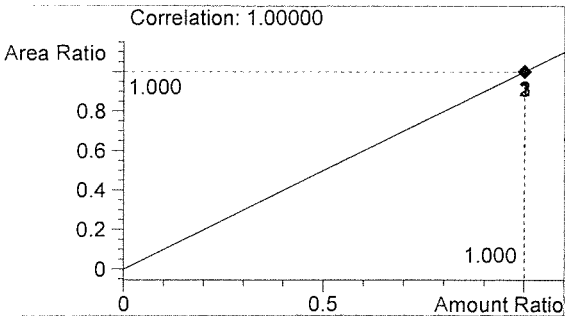
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#	Compound	Peak Area	RT (min)
1	Ethanol	288	1.019
2	n-Propanol	1561	1.745



Ethanol      0.041 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten initials*

DN

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

Inj. Date: 2/2/2015 10:48:36 AM

Sample Name: CTRL 2 (0.10)

Instrument: HSGC#3

Operator: David Nguyen

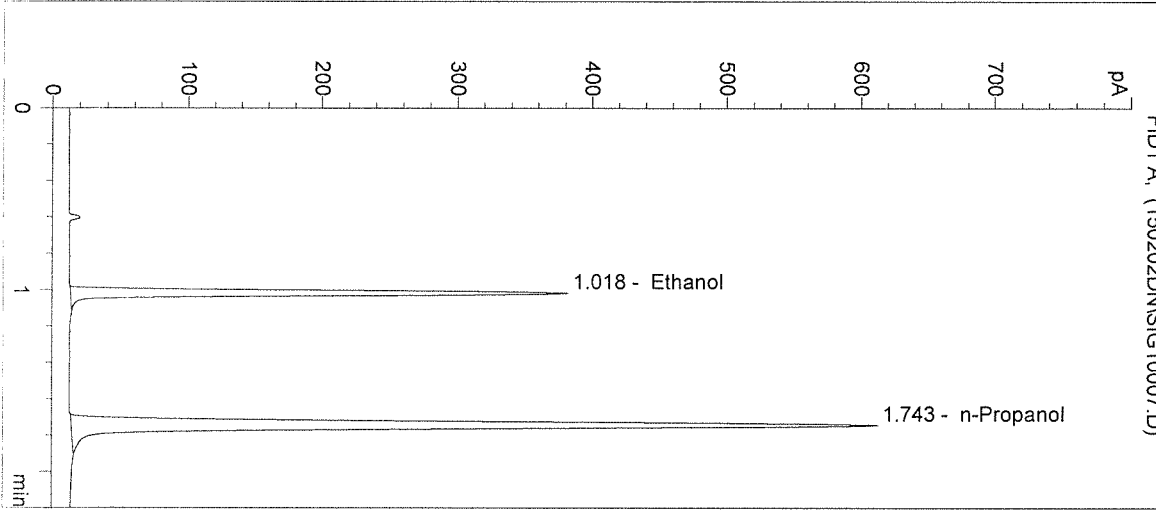
Column: DB-ALC2

Location: Vial 7

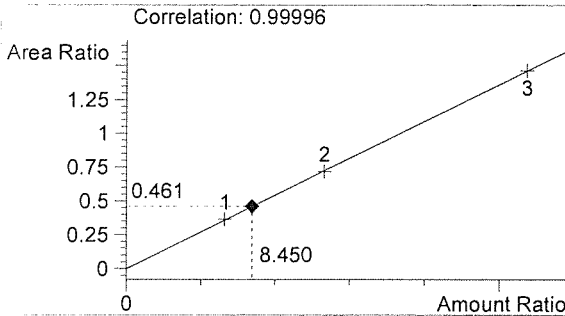
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CTRL 2: 0.10 g/100mL  
 15009

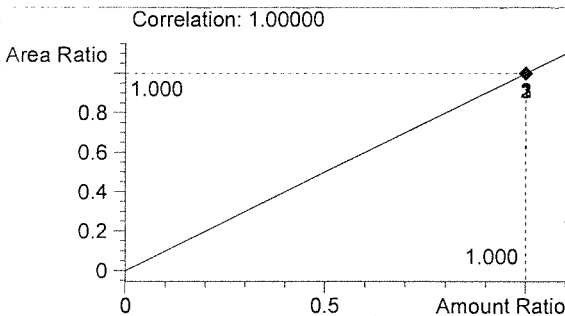
->



#	Compound	Peak Area	RT (min)
1	Ethanol	738	1.018
2	n-Propanol	1603	1.743



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

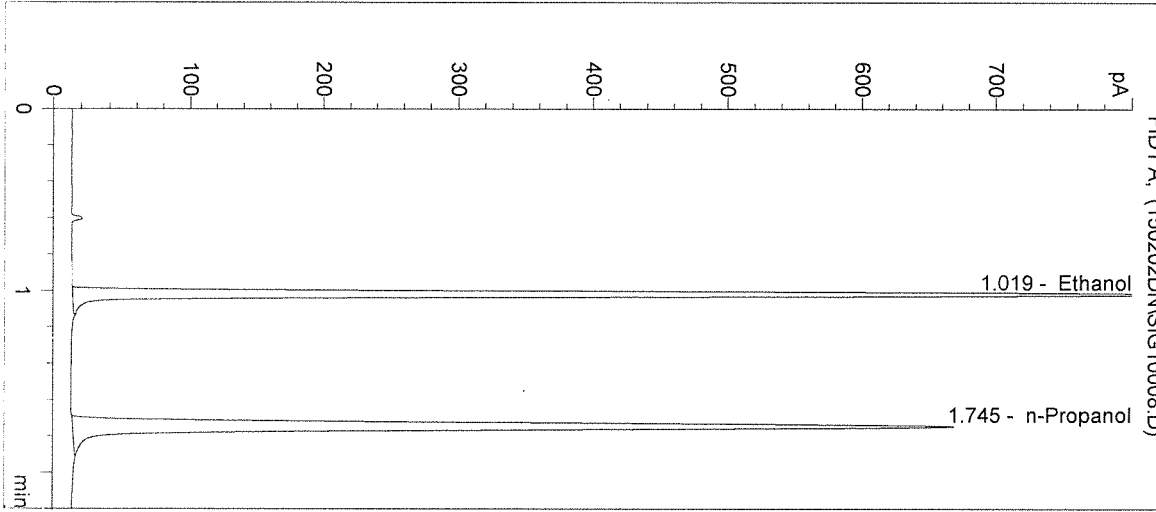
*fr*

*DZ*

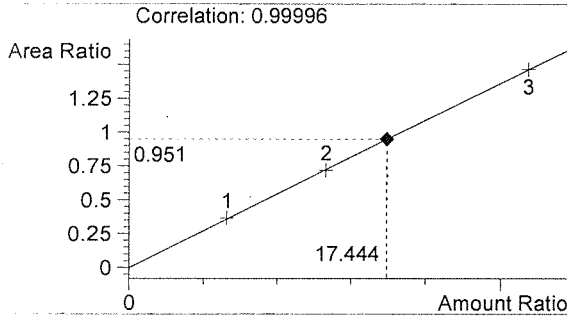
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/2/2015 10:51:50 AM      Sample Name: CTRL 3 (0.20)  
 Instrument: HSGC#3                      Operator: David Nguyen  
 Column: DB-ALC2                        Location: Vial 8  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 3: 0.20 g/100mL  
 15009

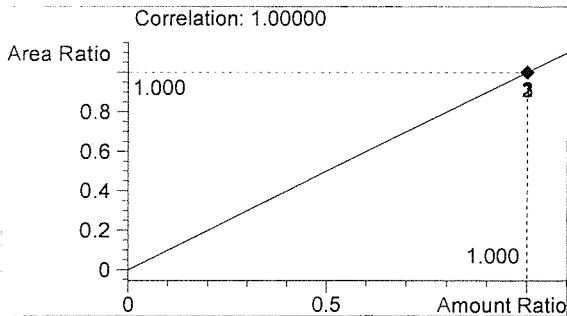
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1663	1.019
2	n-Propanol	1749	1.745



Ethanol      0.209 g/100mL



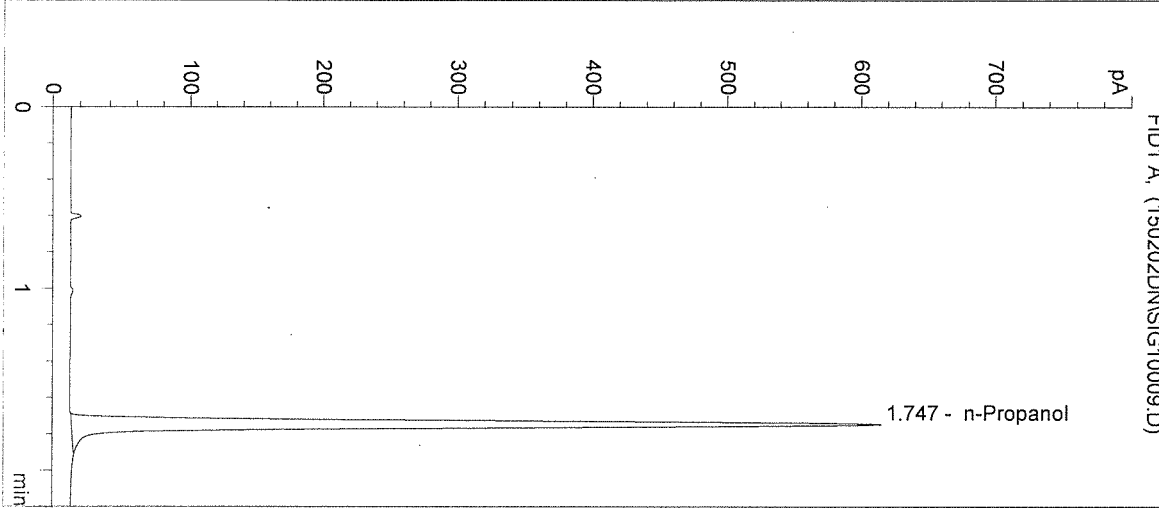
n-Propanol      0.012 g/100mL

*f*

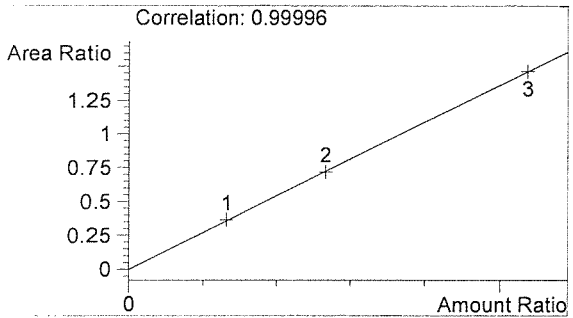
*DN*

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2203 Airport Way S Seattle, WA 98134

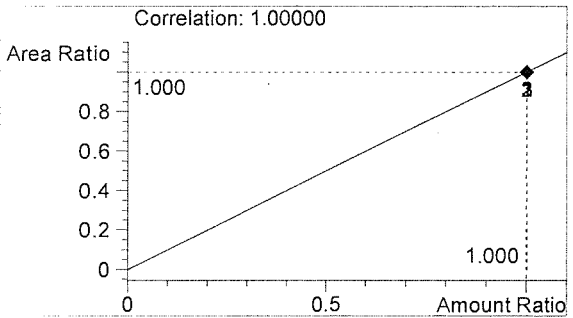
Inj. Date: 2/2/2015 10:55:03 AM      Sample Name: NEG CTRL  
Instrument: HSGC#3      Operator: David Nguyen  
Column: DB-ALC2      Location: Vial 9  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1606	1.747



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*h*

*DN*

Inj. Date: 2/2/2015 10:58:16 AM

Sample Name: 15009 #1

Instrument: HSGC#3

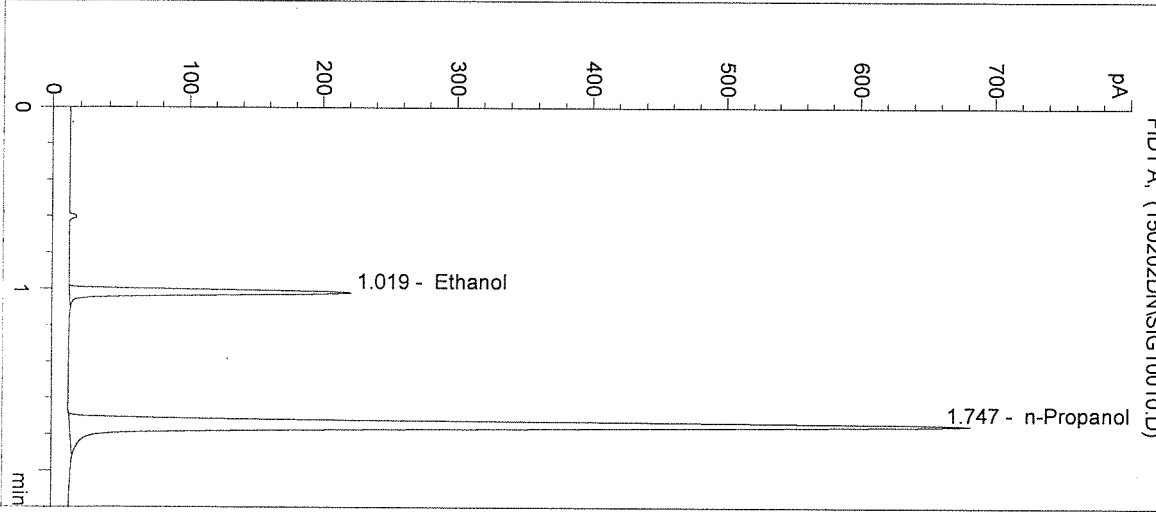
Operator: David Nguyen

Column: DB-ALC2

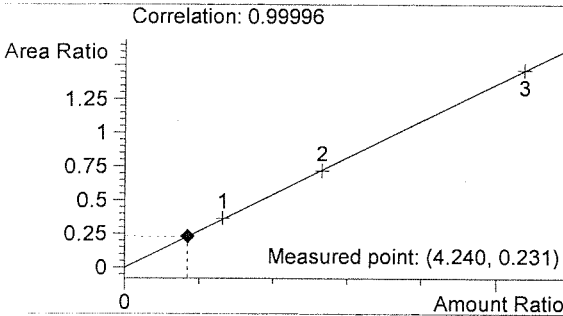
Location: Vial 10

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

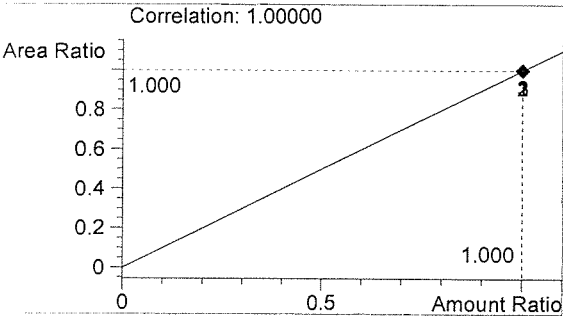
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	413	1.019
2	n-Propanol	1788	1.747



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

*fn*

*DN*

Inj. Date: 2/2/2015 11:01:30 AM

Sample Name: 15009 #2

Instrument: HSGC#3

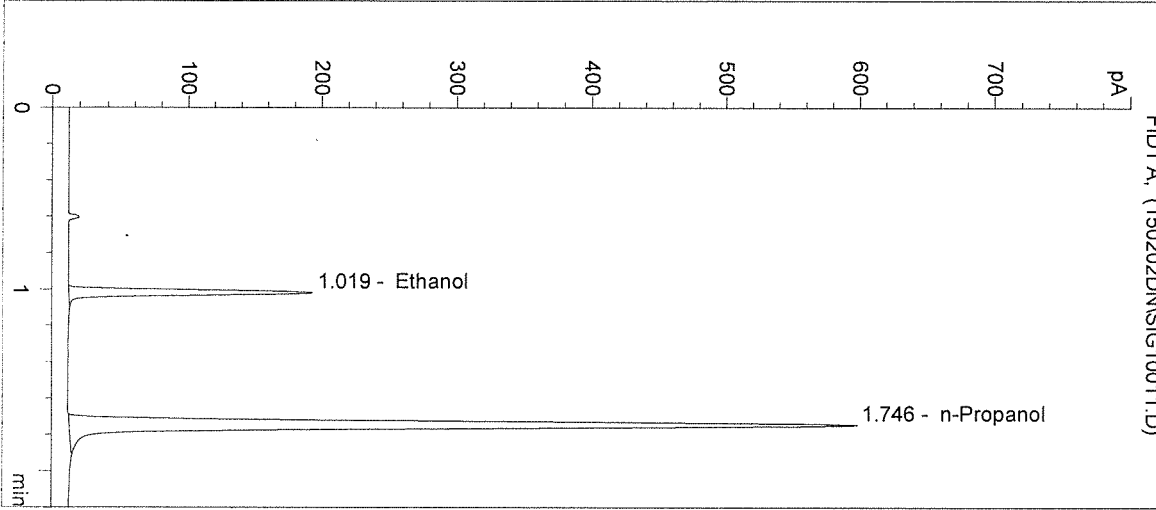
Operator: David Nguyen

Column: DB-ALC2

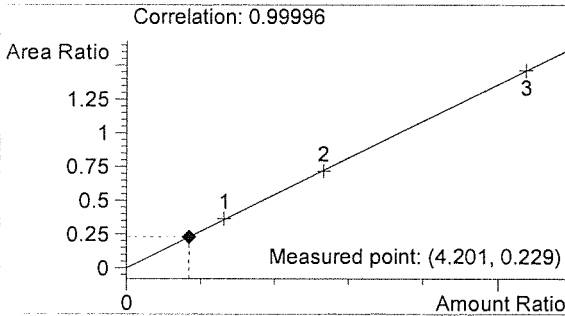
Location: Vial 11

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

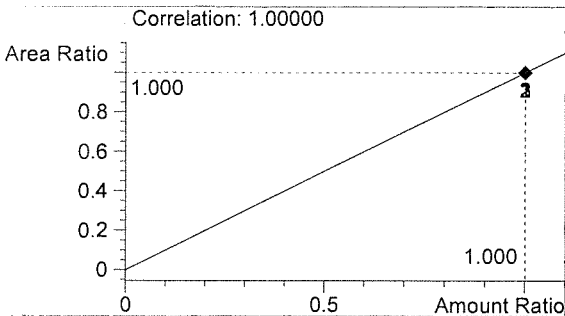
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	359	1.019
2	n-Propanol	1566	1.746



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*fn*

*DN*

Inj. Date: 2/2/2015 11:04:43 AM

Sample Name: 15009 #3

Instrument: HSGC#3

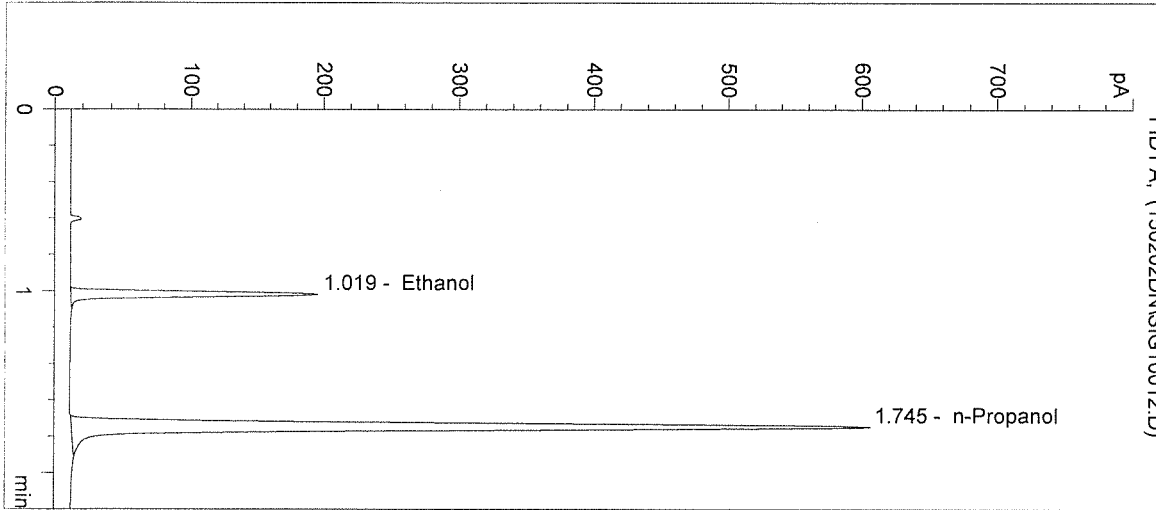
Operator: David Nguyen

Column: DB-ALC2

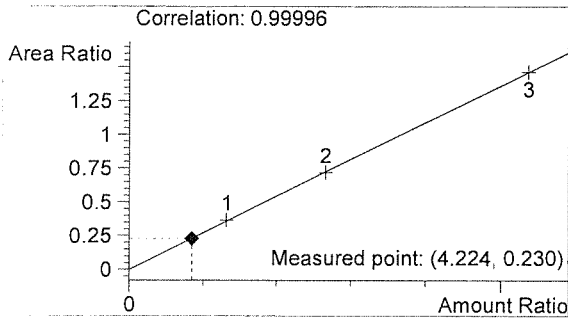
Location: Vial 12

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

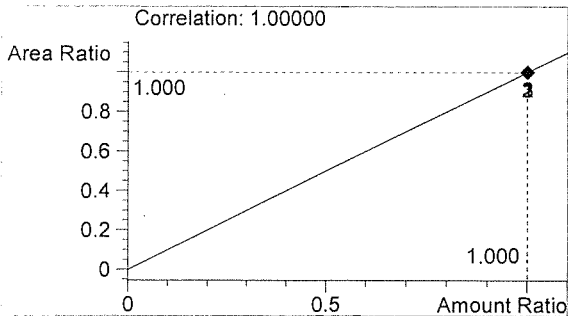
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	367	1.019
2	n-Propanol	1592	1.745



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten initials*



Inj. Date: 2/2/2015 11:07:57 AM

Sample Name: 15009 #4

Instrument: HSGC#3

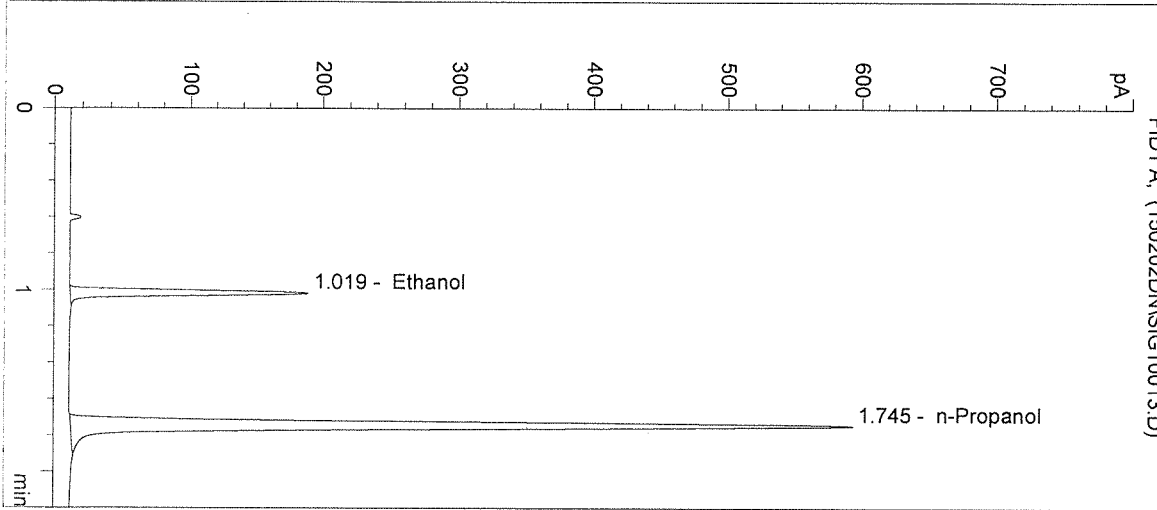
Operator: David Nguyen

Column: DB-ALC2

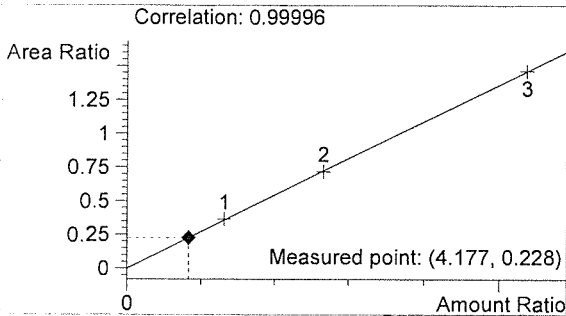
Location: Vial 13

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

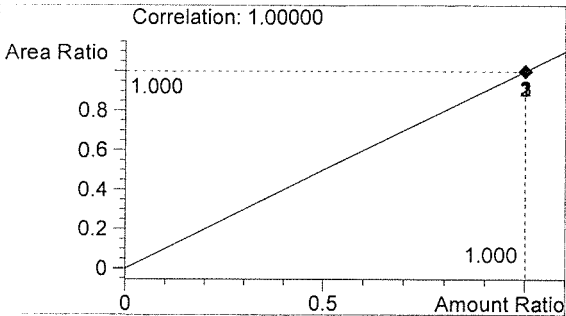
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	355	1.019
2	n-Propanol	1558	1.745



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

*DL*

Inj. Date: 2/2/2015 11:11:10 AM

Sample Name: 15009 #5

Instrument: HSGC#3

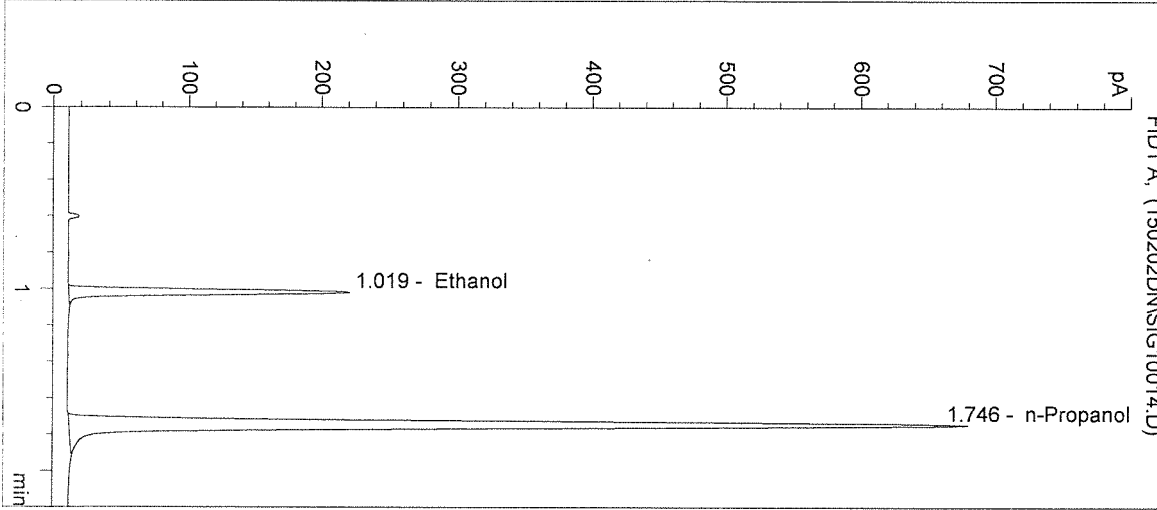
Operator: David Nguyen

Column: DB-ALC2

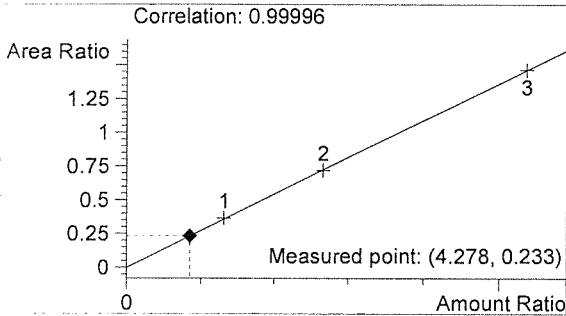
Location: Vial 14

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

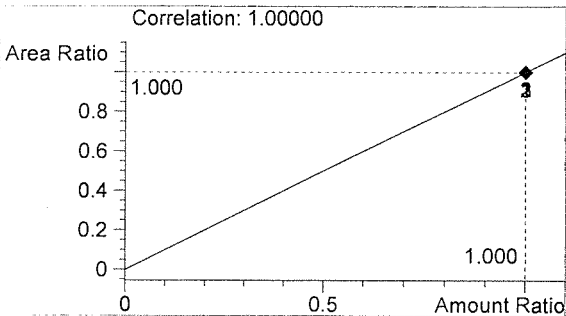
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	417	1.019
2	n-Propanol	1787	1.746



Ethanol 0.051 g/100mL

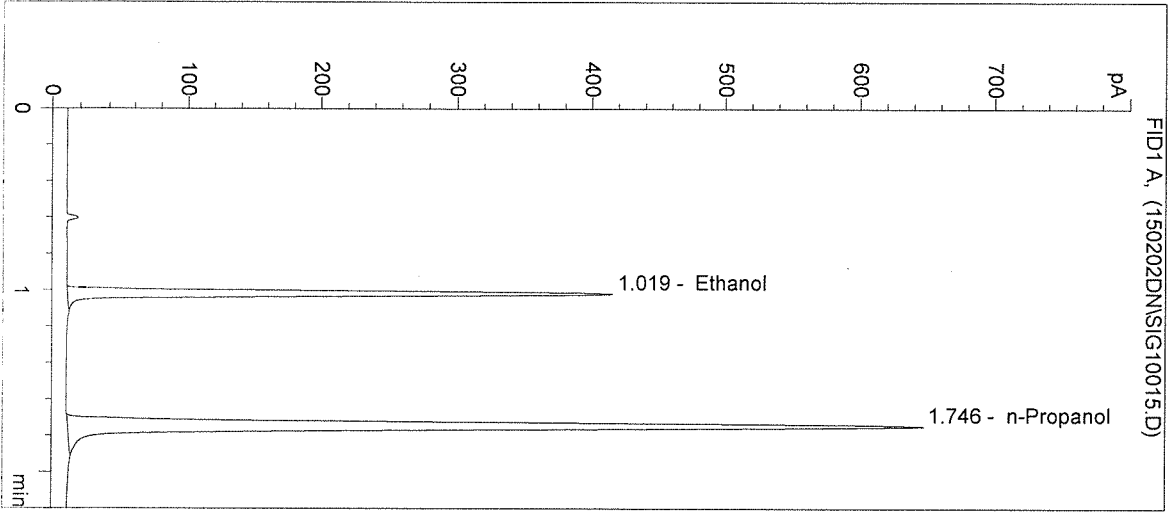


n-Propanol 0.012 g/100mL

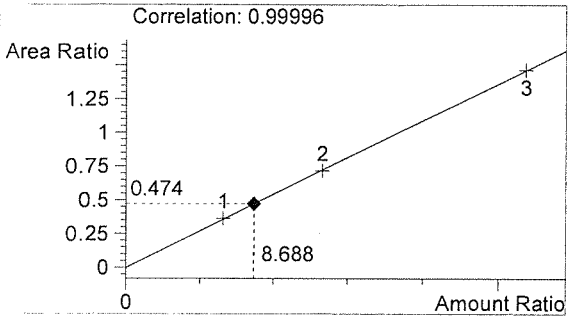
*fr*

*DN*

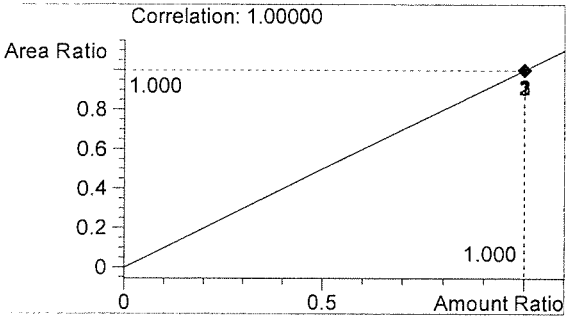
Inj. Date: 2/2/2015 11:14:23 AM      Sample Name: POS CTRL (0.10)  
 Instrument: HSGC#3      Operator: David Nguyen  
 Column: DB-ALC2      Location: Vial 15  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	806	1.019
2	n-Propanol	1701	1.746



Ethanol      0.104 g/100mL

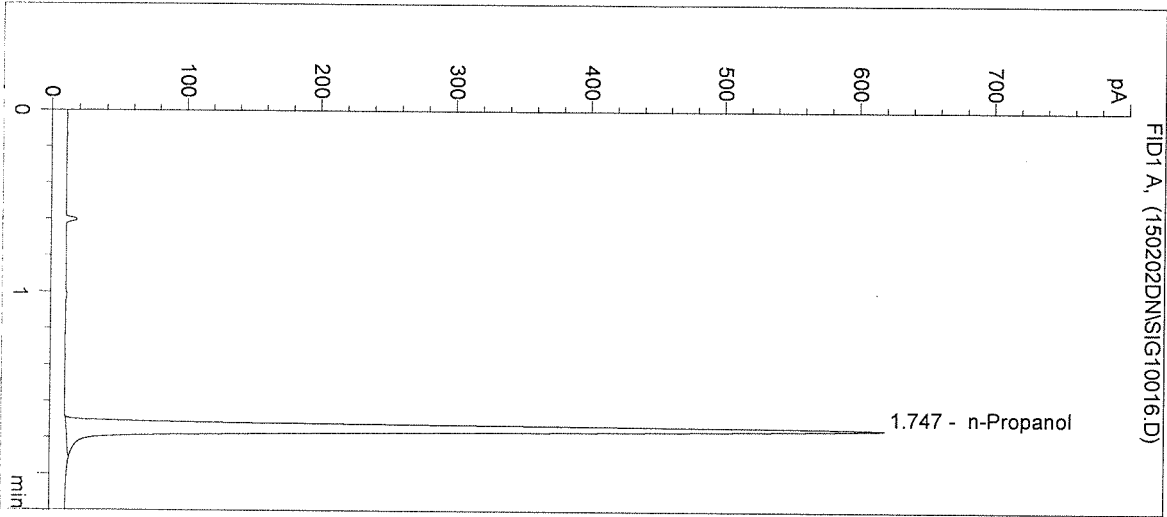


n-Propanol      0.012 g/100mL

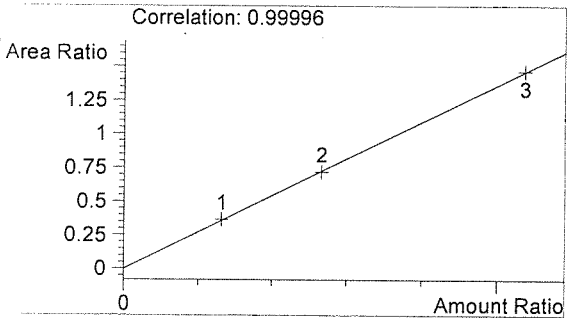
*Handwritten signature*

*DN*

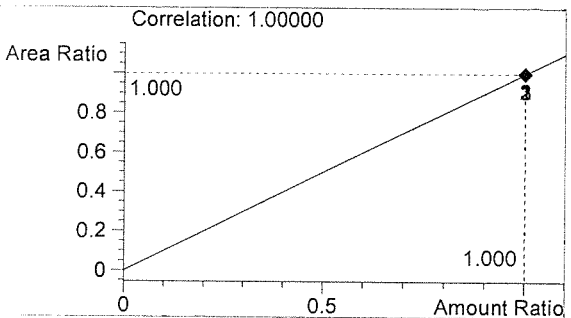
Inj. Date: 2/2/2015 11:17:37 AM      Sample Name: NEG CTRL  
 Instrument: HSGC#3      Operator: David Nguyen  
 Column: DB-ALC2      Location: Vial 16  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1620	1.747



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*for*

*DN*

Sequence Parameters:

Operator: Elizabeth Wehner  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
                   Counter: 0001  
 Signal 2 Prefix: SIG2  
                   Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 150203EW  
 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#: E1214-01 Exp. 06/03/2015  
 CAL 2: 0.158 g/100mL - Lot#: E1214-02 Exp. 06/03/2015  
 CAL 3: 0.316 g/100mL - Lot#: E1214-03 Exp. 06/03/2015  
  
 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#: P0115 Exp. 04/27/2015  
  
 Calibration vials 1-9 are filed with Batch 15009.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15009 #1	SIMALC3	1	Sample		
11	Vial 11	15009 #2	SIMALC3	1	Sample		
12	Vial 12	15009 #3	SIMALC3	1	Sample		
13	Vial 13	15009 #4	SIMALC3	1	Sample		
14	Vial 14	15009 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15010 #1	SIMALC3	1	Sample		
18	Vial 18	15010 #2	SIMALC3	1	Sample		
19	Vial 19	15010 #3	SIMALC3	1	Sample		
20	Vial 20	15010 #4	SIMALC3	1	Sample		
21	Vial 21	15010 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15011 #1	SIMALC3	1	Sample		

15009  
 In 2/19/15

*EW*

EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	15011 #2	SIMALC3	1	Sample		
26	Vial 26	15011 #3	SIMALC3	1	Sample		
27	Vial 27	15011 #4	SIMALC3	1	Sample		
28	Vial 28	15011 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15012 #1	SIMALC3	1	Sample		
32	Vial 32	15012 #2	SIMALC3	1	Sample		
33	Vial 33	15012 #3	SIMALC3	1	Sample		
34	Vial 34	15012 #4	SIMALC3	1	Sample		
35	Vial 35	15012 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15013 #1	SIMALC3	1	Sample		
39	Vial 39	15013 #2	SIMALC3	1	Sample		
40	Vial 40	15013 #3	SIMALC3	1	Sample		
41	Vial 41	15013 #4	SIMALC3	1	Sample		
42	Vial 42	15013 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15009

*for 2/19/15*

*for*

*EW*

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

Calib. Data Modified : Tuesday, February 03, 2015 4:36:28 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
1.019	1 1	7.89800e-2	588.50122	1.34205e-4	1	Ethanol
	2	1.59900e-1	1263.07947	1.26595e-4		
	3	3.22070e-1	2261.77222	1.42397e-4		
1.745	1 1	1.20000e-2	1620.11670	7.40687e-6	I1	n-Propanol
	2	1.20000e-2	1729.18201	6.93970e-6		
	3	1.20000e-2	1574.65991	7.62069e-6		

15009  
for 2/19/15

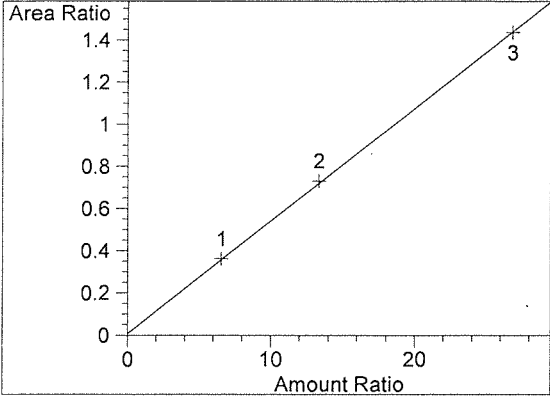
=====  
Peak Sum Table  
=====

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

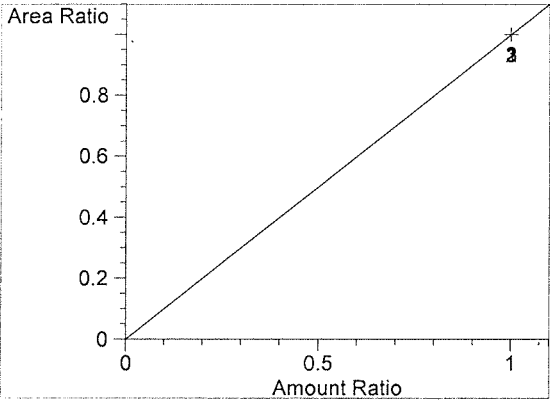
fu

EW

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



Ethanol at exp. RT: 1.019  
FID1 A,  
Correlation: 0.99990  
Residual Std. Dev.: 0.01046  
Formula:  $y = mx + b$   
m:  $5.34467e-2$   
b:  $7.91011e-3$   
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.745  
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

15009  
for 2/19/15

for

EW



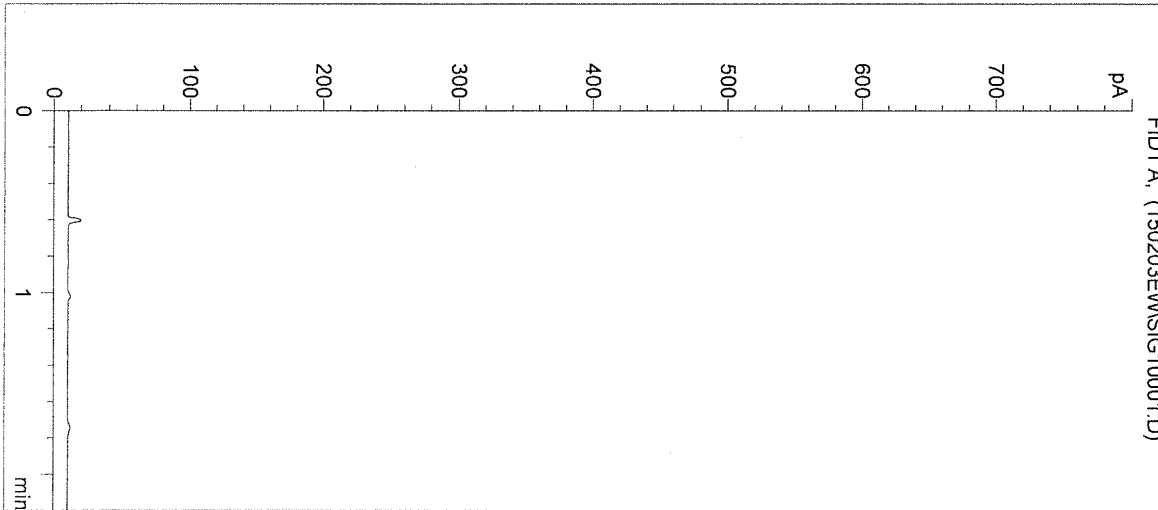
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/3/2015 4:24:23 PM  
Instrument: HSGC#3

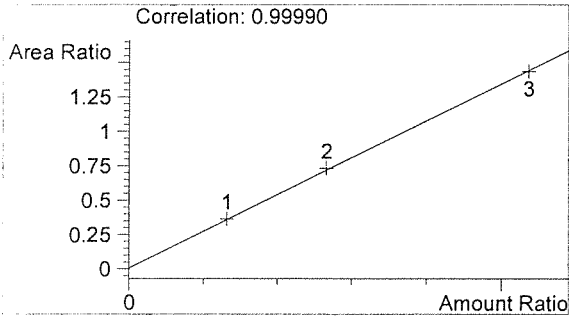
Sample Name: BLANK  
Operator: Elizabeth Wehner  
Location: Vial 1

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

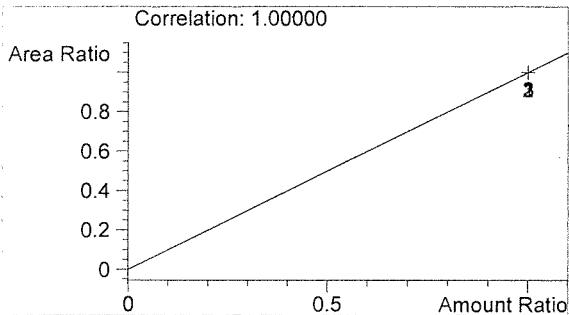
Sample Info: 15009



#	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

*EW*

*EW*

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

Inj. Date: 2/3/2015 4:27:42 PM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#3

Operator: Elizabeth Wehner

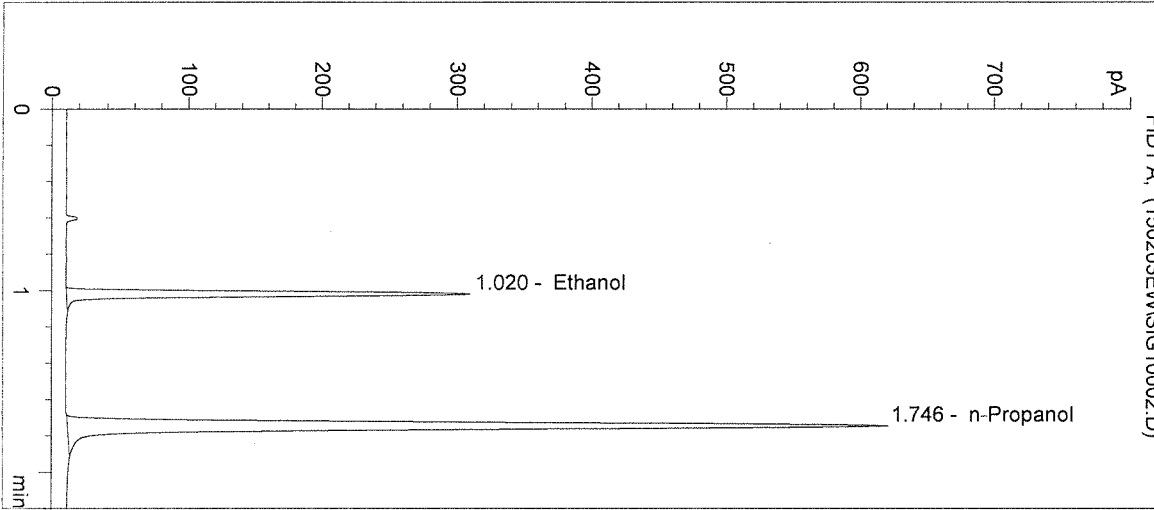
Column: DB-ALC2

Location: Vial 2

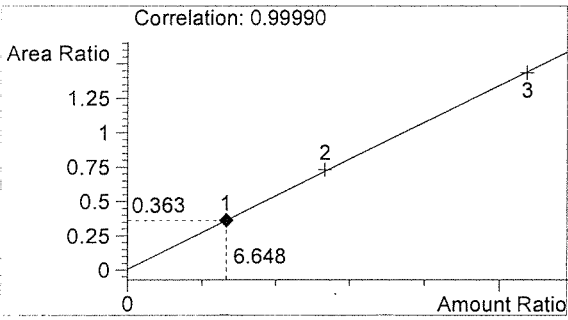
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 1: 0.079 g/100mL  
 15009

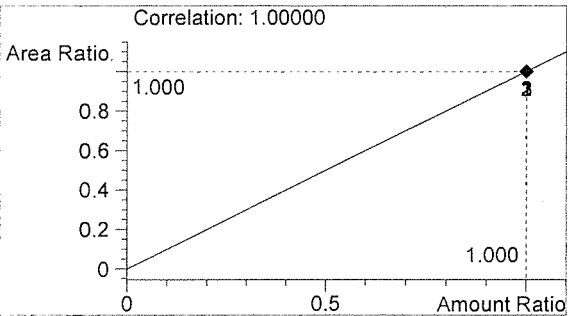
->



#	Compound	Peak Area	RT (min)
1	Ethanol	589	1.020
2	n-Propanol	1620	1.746



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

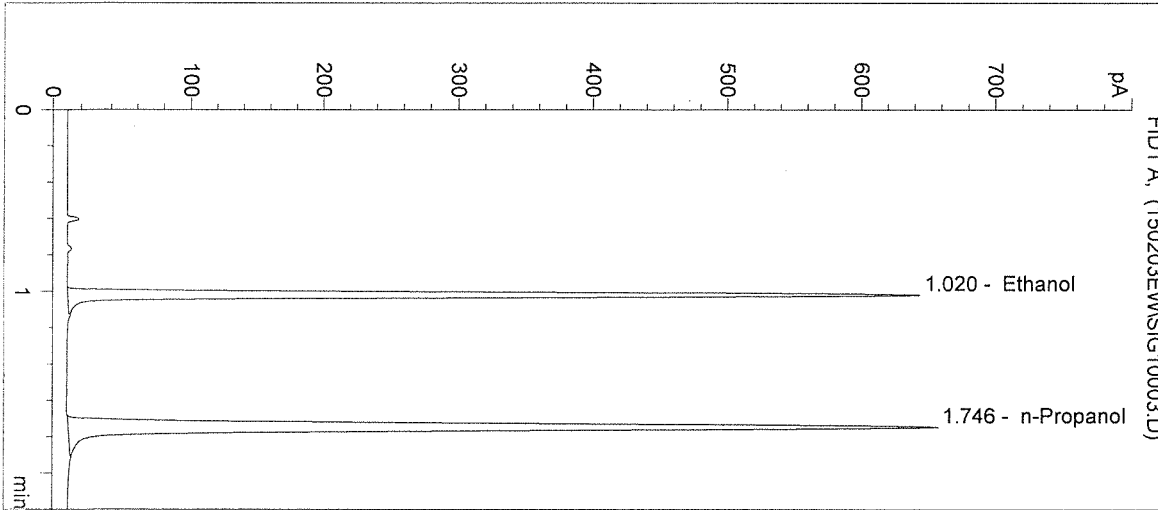
*f*

*EW*

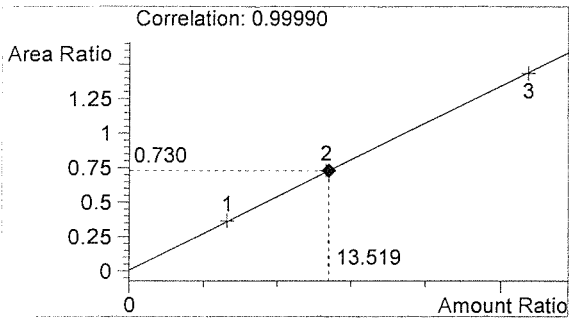
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/3/2015 4:30:59 PM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CAL 2: 0.158 g/100mL  
 15009

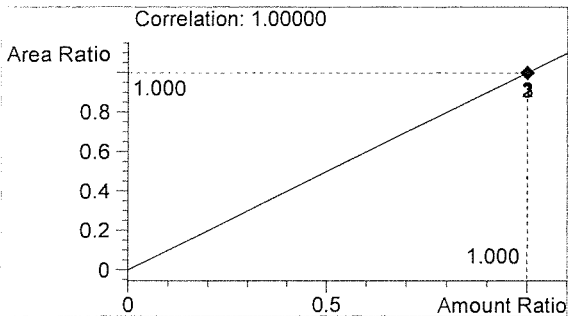
Sample Name: CAL 2 (0.158)  
 Operator: Elizabeth Wehner  
 Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1263	1.020
2	n-Propanol	1729	1.746



Ethanol 0.162 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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

Inj. Date: 2/3/2015 4:34:16 PM

Sample Name: CAL 3 (0.316)

Instrument: HSGC#3

Operator: Elizabeth Wehner

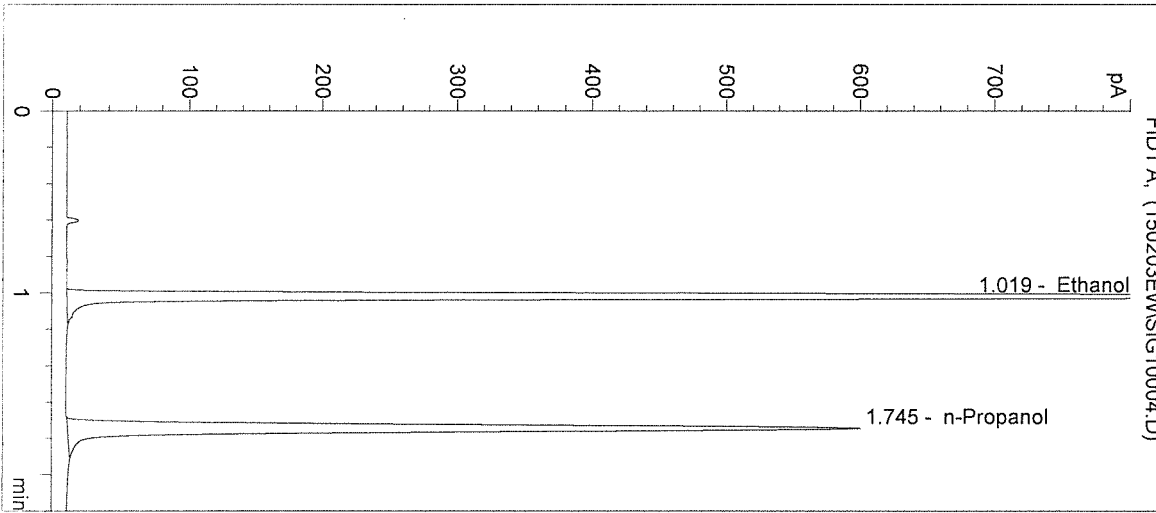
Column: DB-ALC2

Location: Vial 4

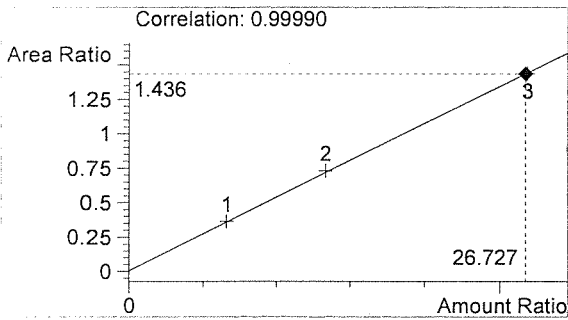
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 3: 0.316 g/100mL  
 15009

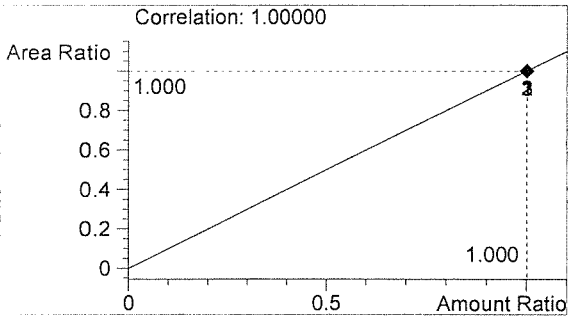
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2262	1.019
2	n-Propanol	1575	1.745



Ethanol 0.321 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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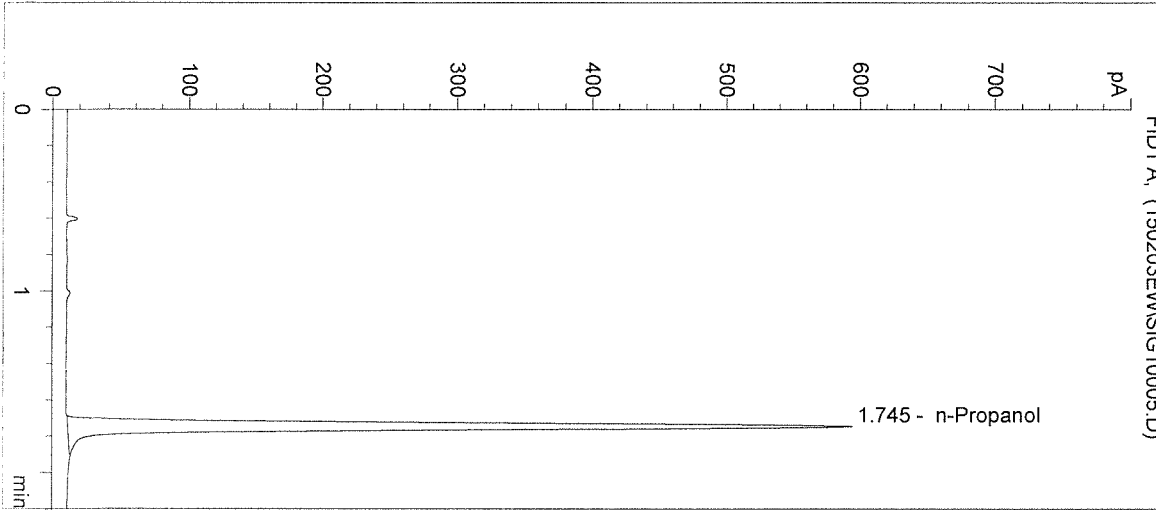
Inj. Date: 2/3/2015 4:37:30 PM  
Instrument: HSGC#3

Sample Name: NEG CTRL  
Operator: Elizabeth Wehner  
Location: Vial 5

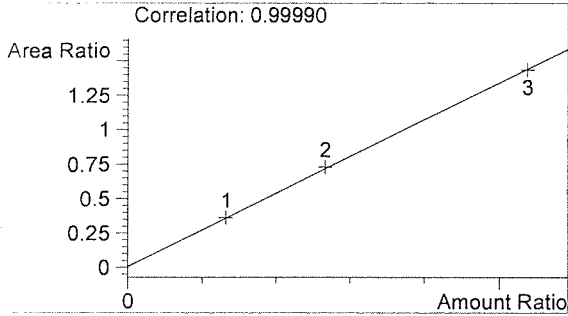
Column: DB-ALC2

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

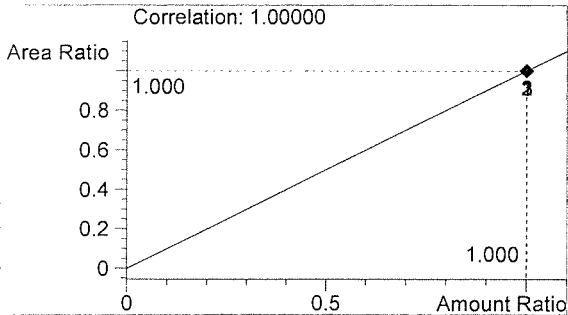
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1562	1.745



Ethanol 0.000 g/100mL



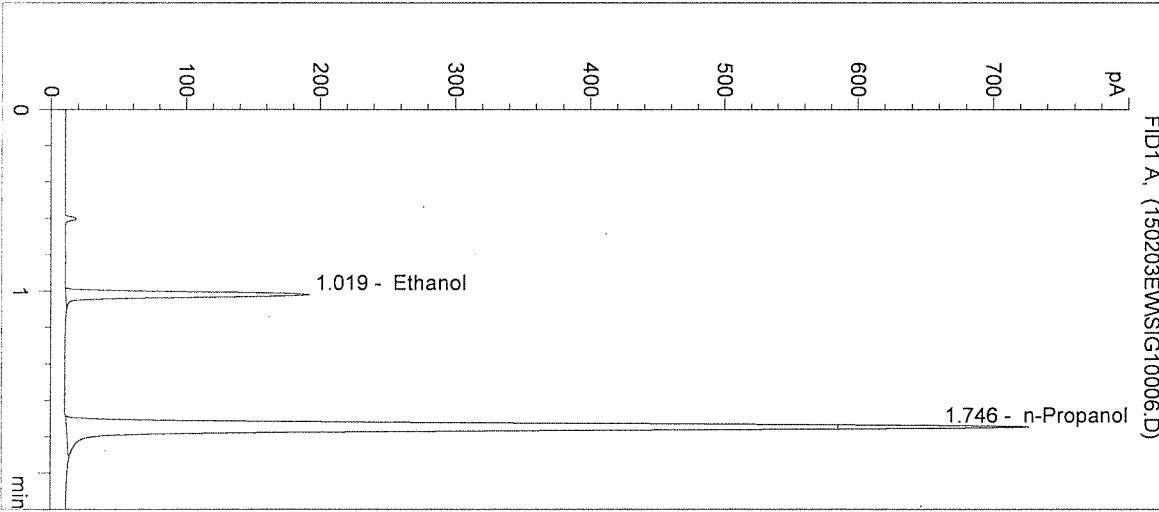
n-Propanol 0.012 g/100mL

*EW*

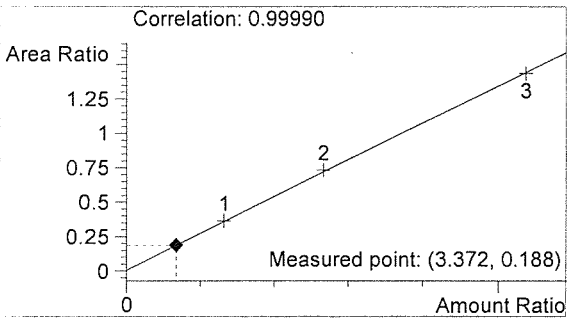
*EW*

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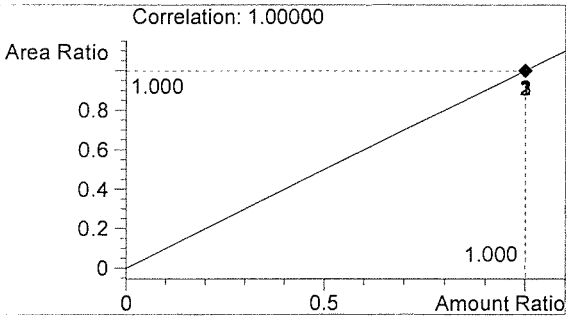
Inj. Date: 2/3/2015 4:40:43 PM      Sample Name: CTRL 1 (0.04)  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 6  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 1: 0.04 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	360	1.019
2	n-Propanol	1911	1.746



Ethanol      0.040 g/100mL



n-Propanol      0.012 g/100mL

*EW*

*EW*

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Inj. Date: 2/3/2015 4:43:56 PM

Sample Name: CTRL 2 (0.10)

Instrument: HSGC#3

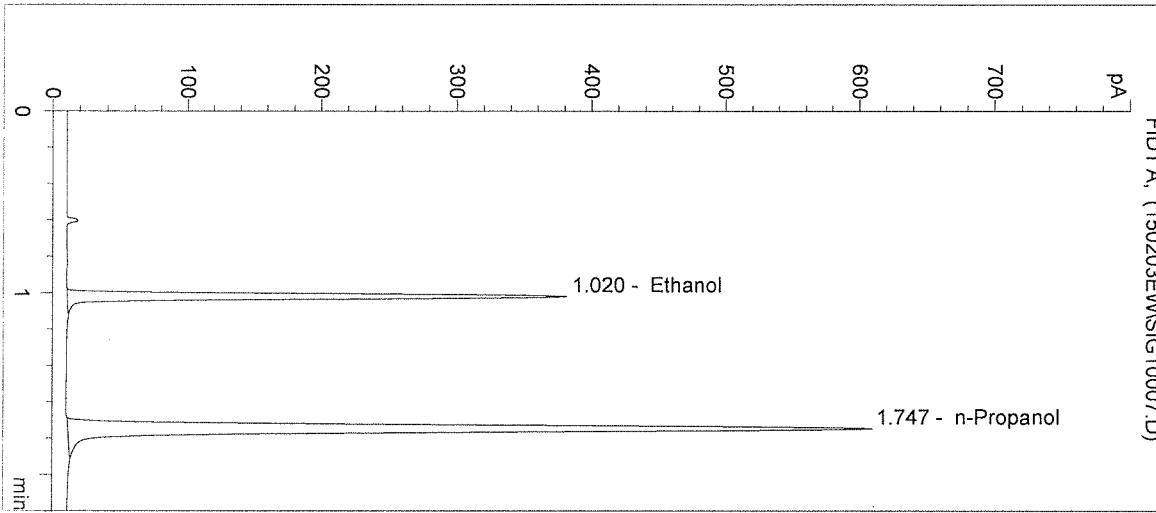
Operator: Elizabeth Wehner

Column: DB-ALC2

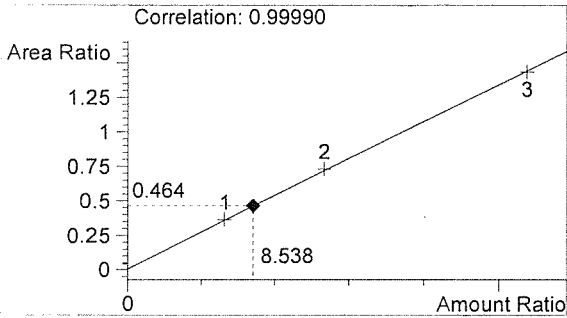
Location: Vial 7

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

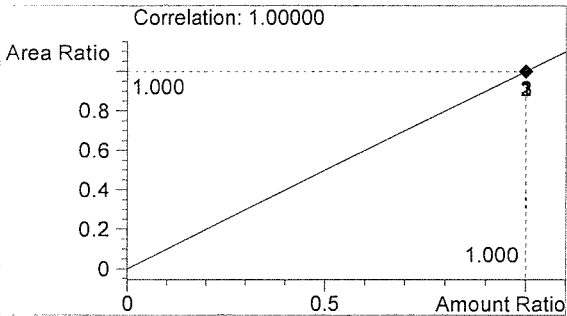
Sample Info: CTRL 2: 0.10 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	742	1.020
2	n-Propanol	1598	1.747



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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Inj. Date: 2/3/2015 4:47:09 PM

Sample Name: CTRL 3 (0.20)

Instrument: HSGC#3

Operator: Elizabeth Wehner

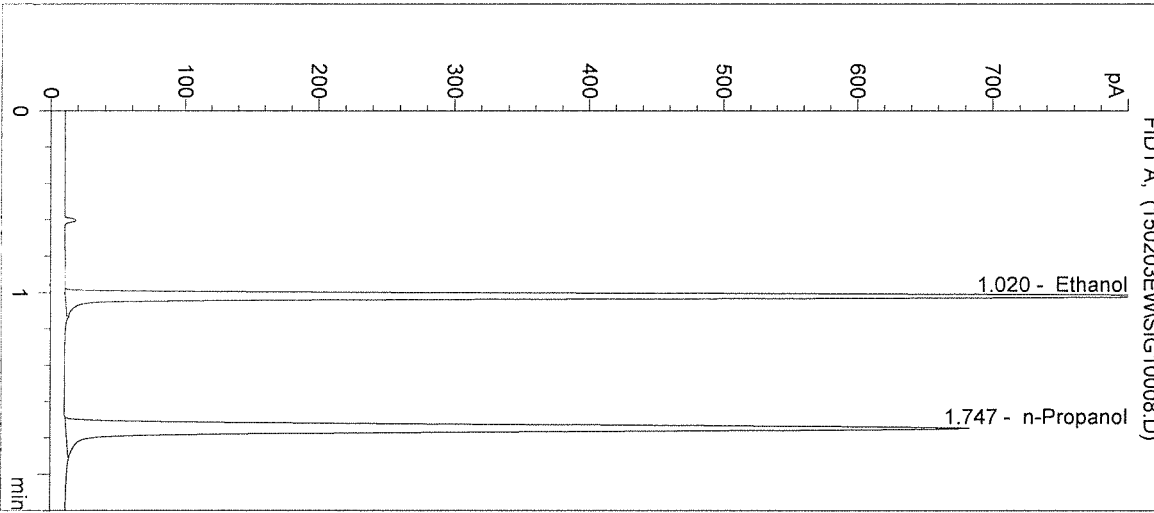
Column: DB-ALC2

Location: Vial 8

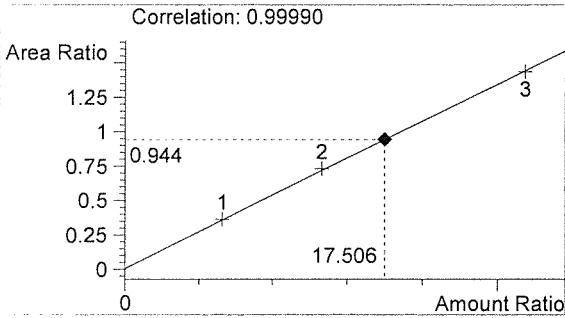
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CTRL 3: 0.20 g/100mL  
 15009

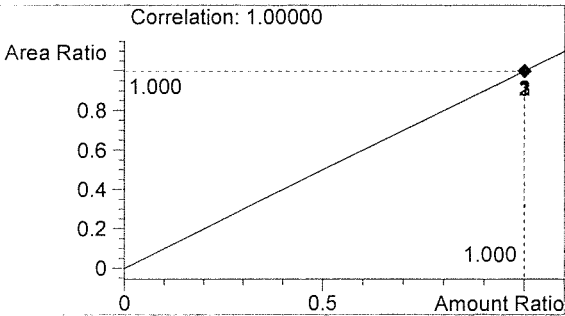
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1692	1.020
2	n-Propanol	1793	1.747



Ethanol 0.210 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*EW*



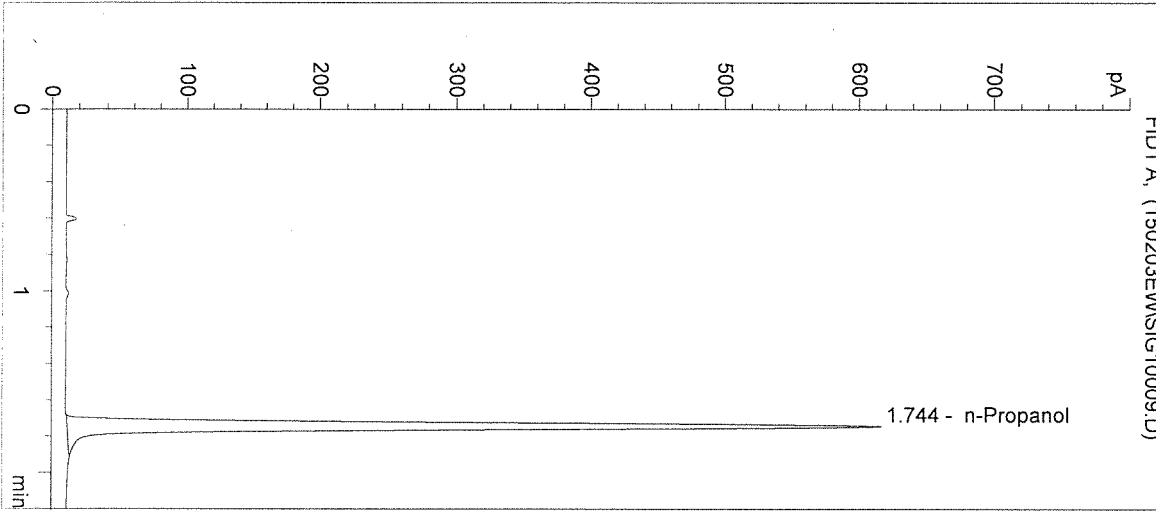
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Inj. Date: 2/3/2015 4:50:22 PM  
Instrument: HSGC#3

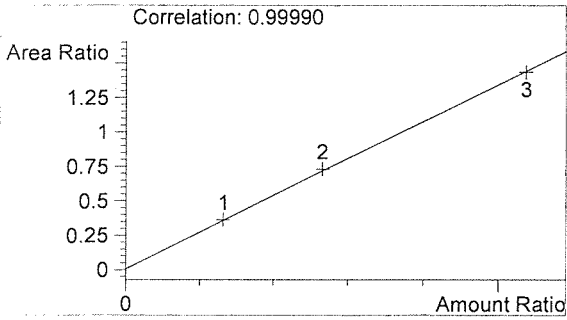
Sample Name: NEG CTRL  
Operator: Elizabeth Wehner  
Location: Vial 9

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

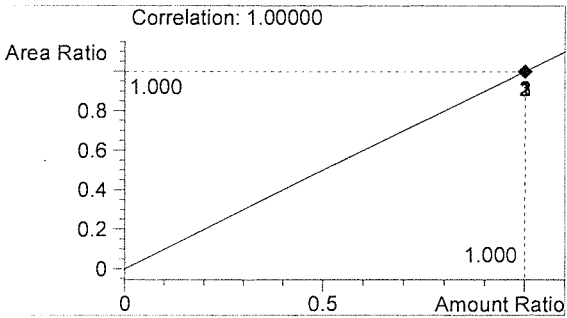
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1617	1.744



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*EW*

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Inj. Date: 2/3/2015 4:53:36 PM

Sample Name: 15009 #1

Instrument: HSGC#3

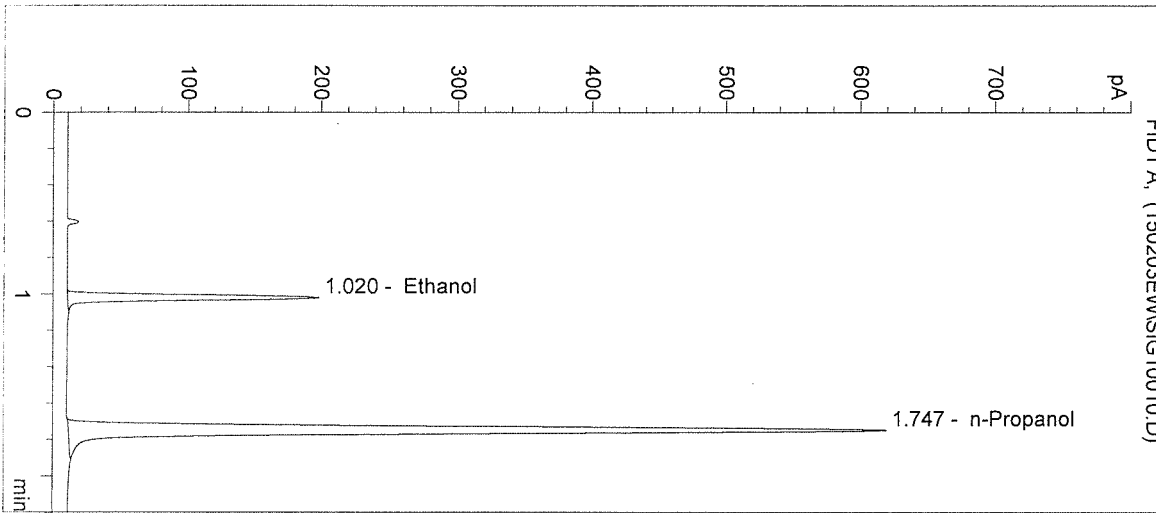
Operator: Elizabeth Wehner

Column: DB-ALC2

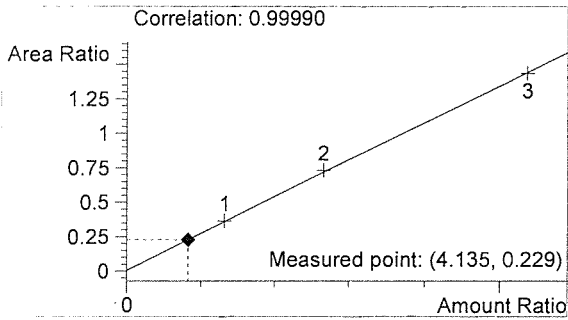
Location: Vial 10

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

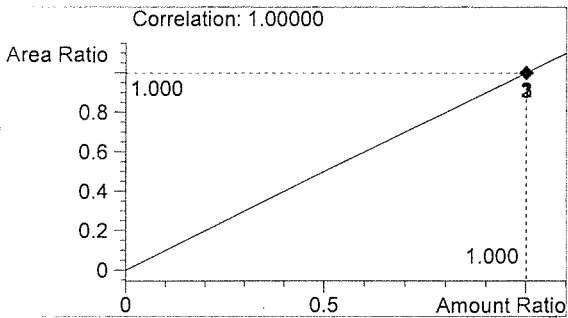
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	372	1.020
2	n-Propanol	1624	1.747



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*fw*

*EW*

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Inj. Date: 2/3/2015 4:56:49 PM

Sample Name: 15009 #2

Instrument: HSGC#3

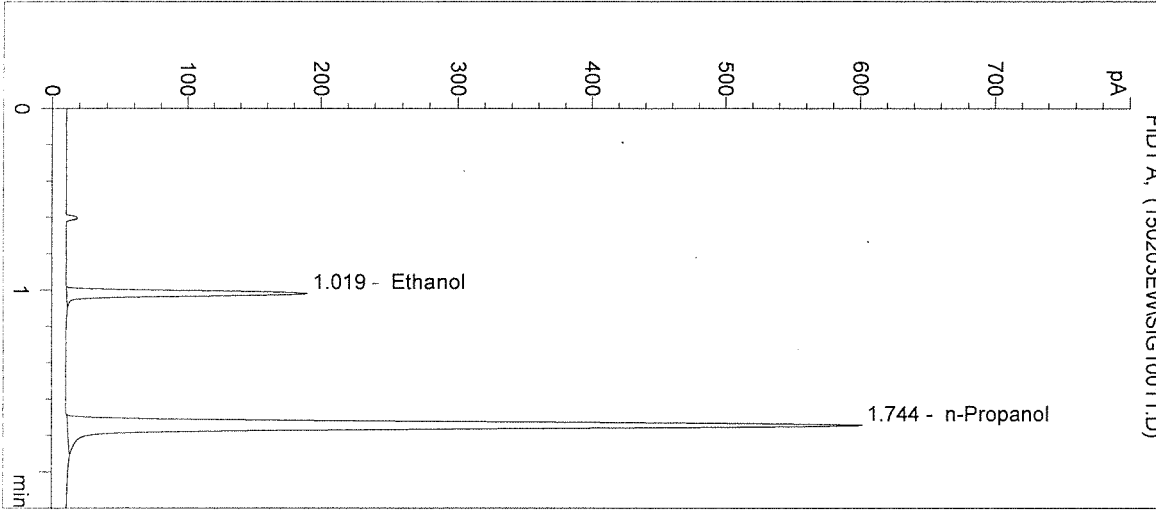
Operator: Elizabeth Wehner

Column: DB-ALC2

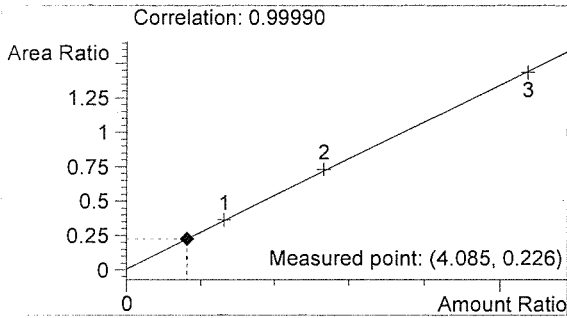
Location: Vial 11

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

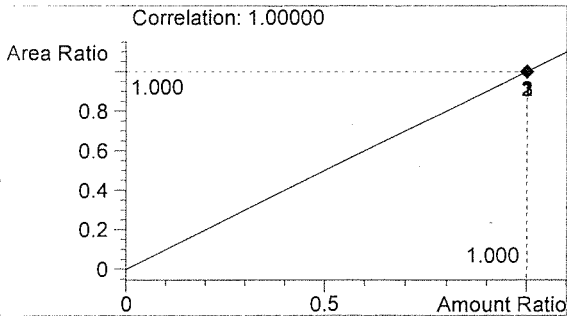
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	357	1.019
2	n-Propanol	1577	1.744



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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Inj. Date: 2/3/2015 5:00:02 PM

Sample Name: 15009 #3

Instrument: HSGC#3

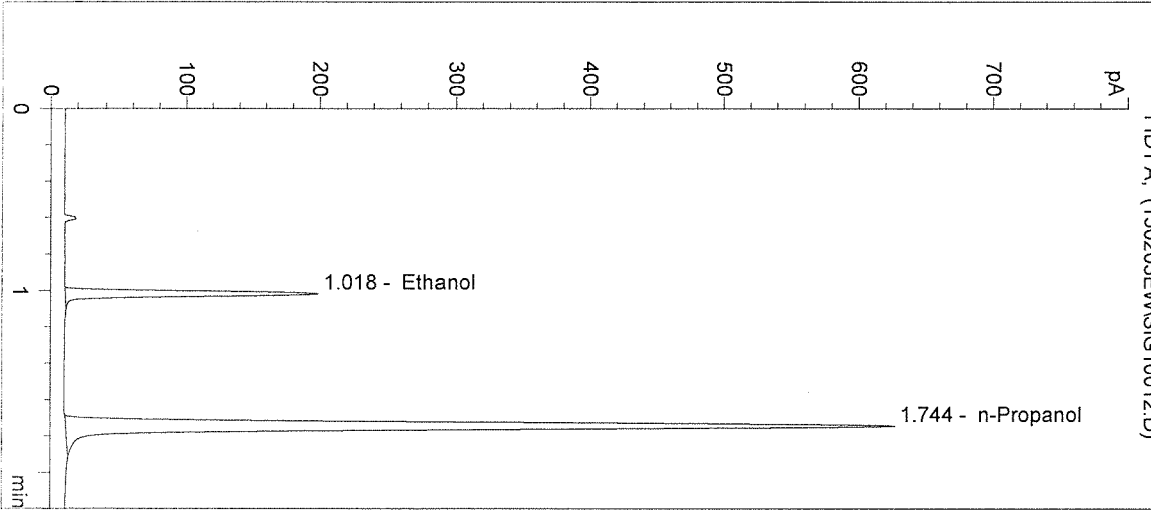
Operator: Elizabeth Wehner

Column: DB-ALC2

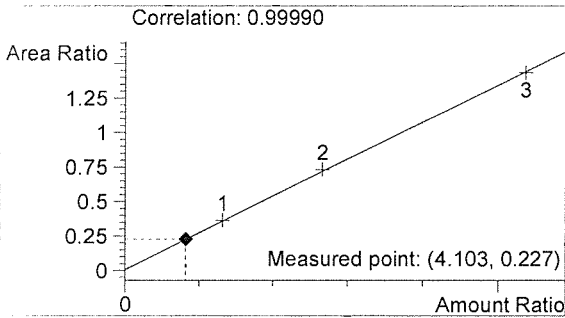
Location: Vial 12

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

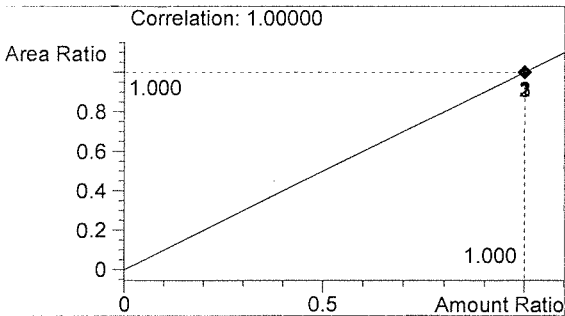
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	375	1.018
2	n-Propanol	1649	1.744



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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Inj. Date: 2/3/2015 5:03:16 PM

Sample Name: 15009 #4

Instrument: HSGC#3

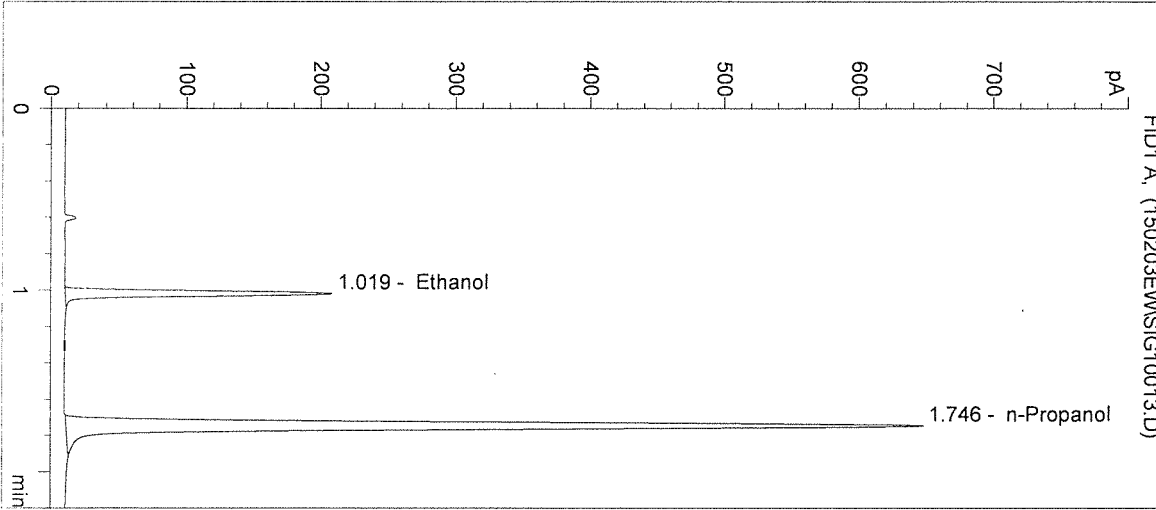
Operator: Elizabeth Wehner

Column: DB-ALC2

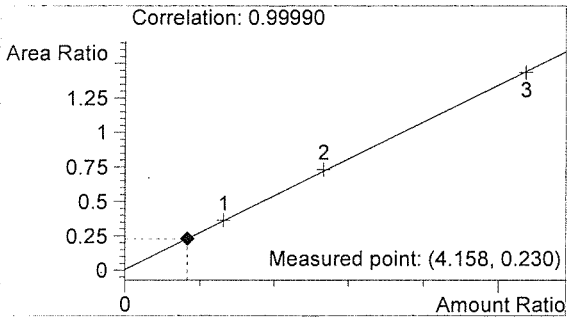
Location: Vial 13

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

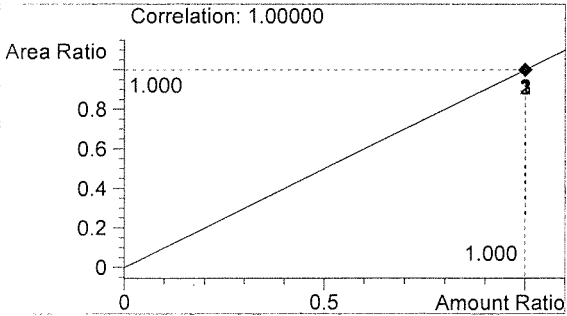
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	392	1.019
2	n-Propanol	1704	1.746



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

*EW*

*EW*

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Inj. Date: 2/3/2015 5:06:29 PM

Sample Name: 15009 #5

Instrument: HSGC#3

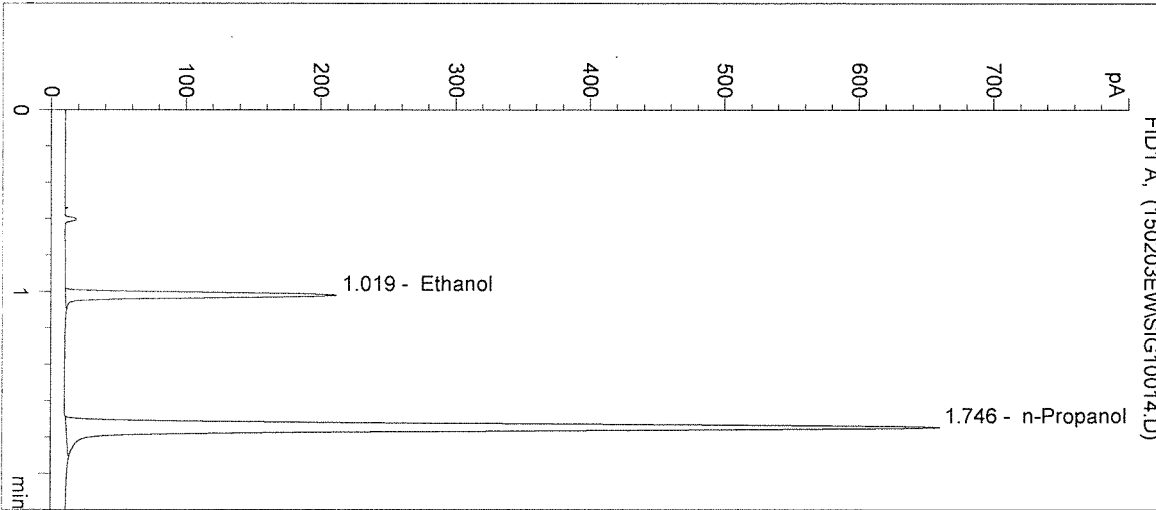
Operator: Elizabeth Wehner

Column: DB-ALC2

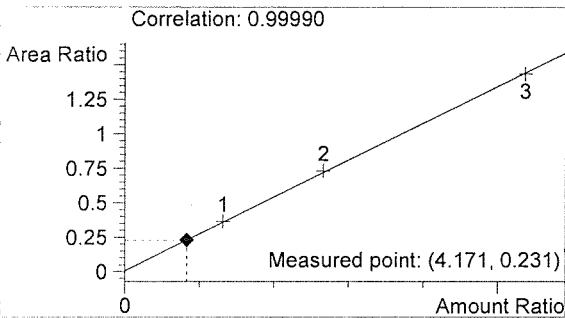
Location: Vial 14

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

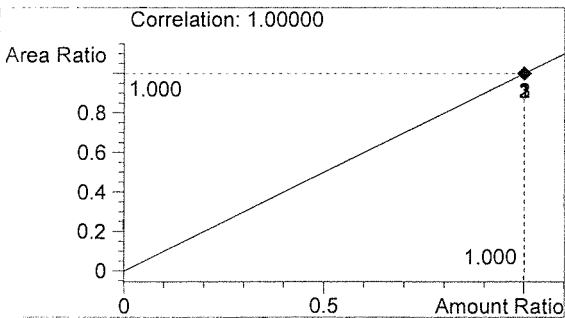
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	400	1.019
2	n-Propanol	1732	1.746



Ethanol 0.050 g/100mL



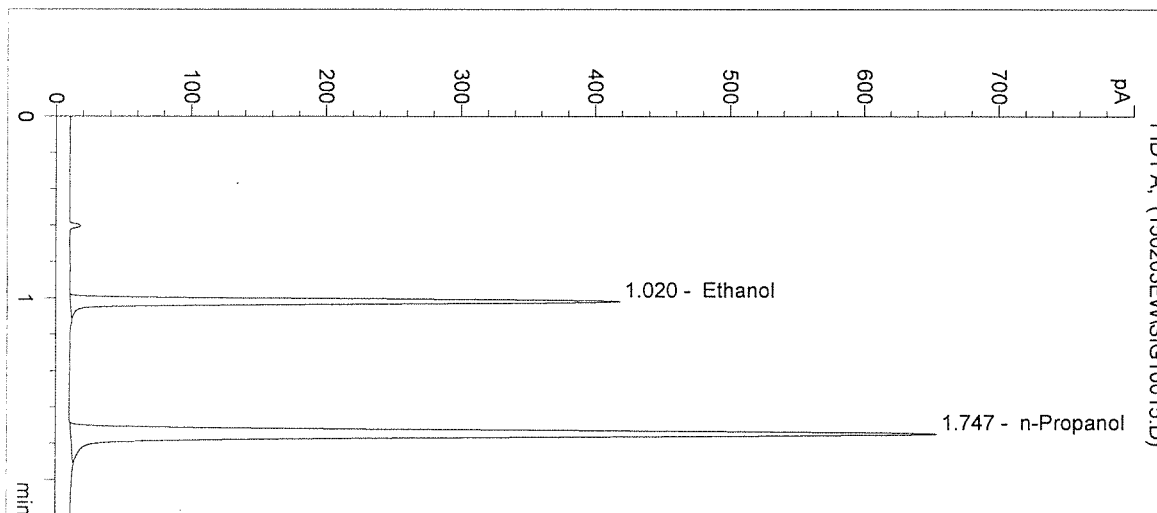
n-Propanol 0.012 g/100mL

*EW*

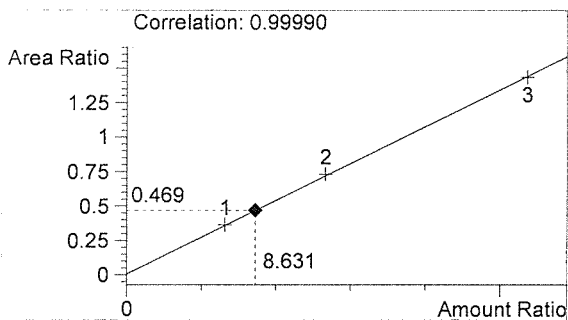
*EW*

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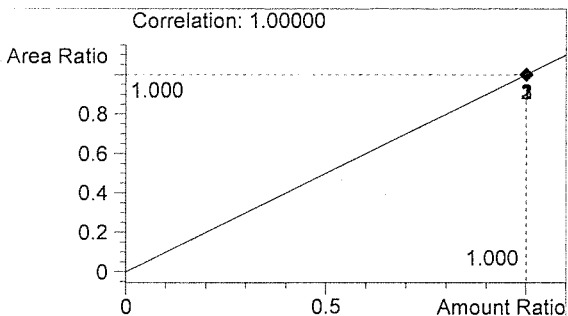
Inj. Date: 2/3/2015 5:09:42 PM      Sample Name: POS CTRL (0.10)  
 Instrument: HSGC#3      Operator: Elizabeth Wehner  
 Column: DB-ALC2      Location: Vial 15  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	805	1.020
2	n-Propanol	1715	1.747



Ethanol      0.104 g/100mL



n-Propanol      0.012 g/100mL

*fw*

*EW*

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Inj. Date: 2/3/2015 5:12:56 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

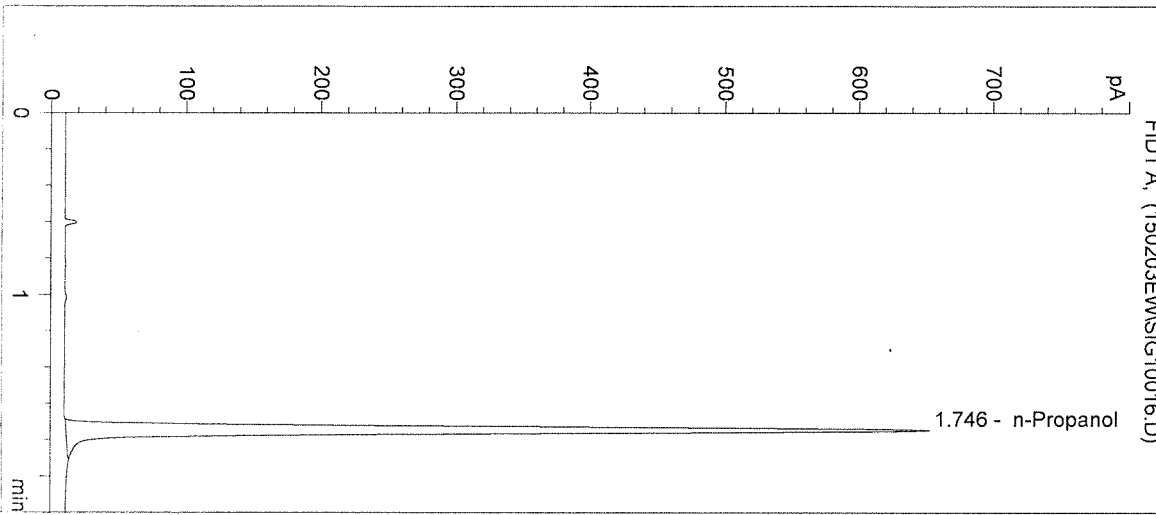
Operator: Elizabeth Wehner

Column: DB-ALC2

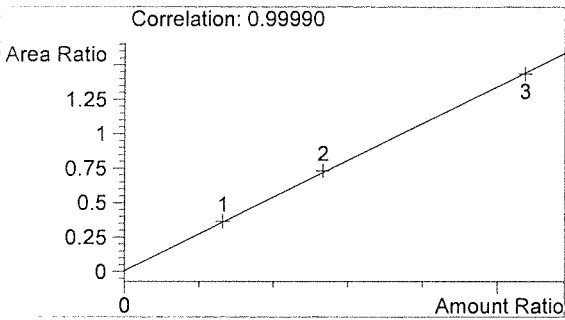
Location: Vial 16

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

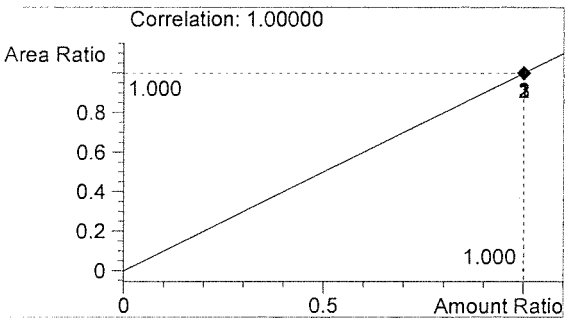
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1717	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*EW*



Sequence Parameters:

Operator: Amanda Chandler  
 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: 150209A2  
 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#: E1214-01 Exp. 06/03/2015  
 CAL 2: 0.158 g/100mL - Lot#: E1214-02 Exp. 06/03/2015  
 CAL 3: 0.316 g/100mL - Lot#: E1214-03 Exp. 06/03/2015

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#: P0115 Exp. 04/27/2015

Calibration vials 1-9 are filed with Batch 15009.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15009 #1	SIMALC3	1	Sample		
11	Vial 11	15009 #2	SIMALC3	1	Sample		
12	Vial 12	15009 #3	SIMALC3	1	Sample		
13	Vial 13	15009 #4	SIMALC3	1	Sample		
14	Vial 14	15009 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15010 #1	SIMALC3	1	Sample		
18	Vial 18	15010 #2	SIMALC3	1	Sample		
19	Vial 19	15010 #3	SIMALC3	1	Sample		
20	Vial 20	15010 #4	SIMALC3	1	Sample		
21	Vial 21	15010 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15011 #1	SIMALC3	1	Sample		

15009  
*fn 2/19/15*

*fn*  
*ac*

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	15011 #2	SIMALC3	1	Sample		
26	Vial 26	15011 #3	SIMALC3	1	Sample		
27	Vial 27	15011 #4	SIMALC3	1	Sample		
28	Vial 28	15011 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15012 #1	SIMALC3	1	Sample		
32	Vial 32	15012 #2	SIMALC3	1	Sample		
33	Vial 33	15012 #3	SIMALC3	1	Sample		
34	Vial 34	15012 #4	SIMALC3	1	Sample		
35	Vial 35	15012 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15013 #1	SIMALC3	1	Sample		
39	Vial 39	15013 #2	SIMALC3	1	Sample		
40	Vial 40	15013 #3	SIMALC3	1	Sample		
41	Vial 41	15013 #4	SIMALC3	1	Sample		
42	Vial 42	15013 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15009  
for analysis

for

ac

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

Calib. Data Modified : Monday, February 09, 2015 1:24:59 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
1.020	1 1	7.89800e-2	659.57178	1.19744e-4	1	Ethanol
	2	1.59900e-1	1338.24365	1.19485e-4		
	3	3.22070e-1	2771.74048	1.16198e-4		
1.746	1 1	1.20000e-2	1808.07544	6.63689e-6	I1	n-Propanol
	2	1.20000e-2	1836.05835	6.53574e-6		
	3	1.20000e-2	1895.19080	6.33182e-6		

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

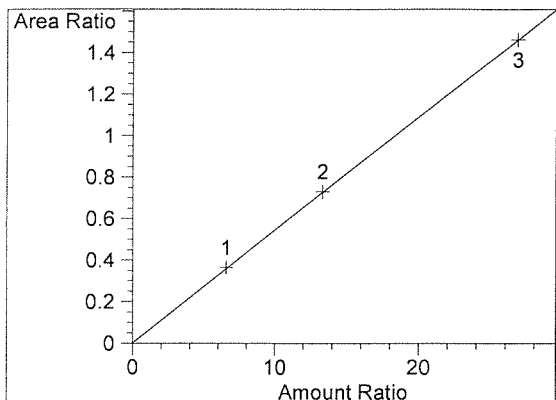
\*\*\*No Entries in table\*\*\*  
 =====

15009  
 Initials

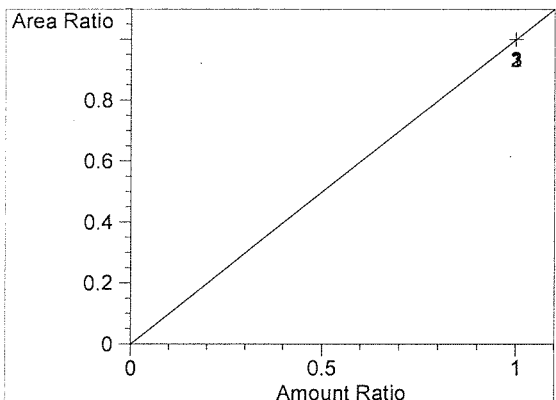
for

ac

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



Ethanol at exp. RT: 1.020  
FID1 A,  
Correlation: 0.99999  
Residual Std. Dev.: 0.00345  
Formula:  $y = mx + b$   
m: 5.44238e-2  
b: 3.02209e-3  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.746  
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

=====  
- 15009  
for 2/19/15

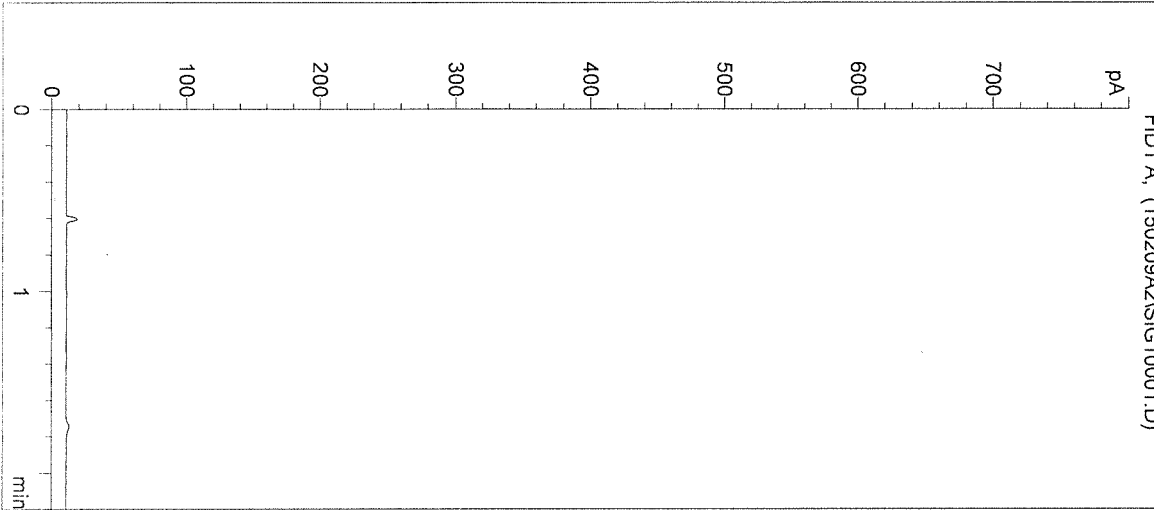
for

ac

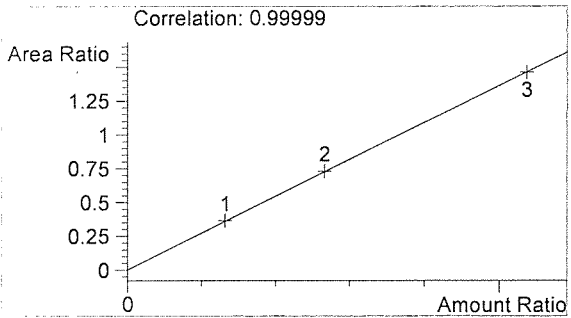
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/9/2015 1:12:53 PM  
Instrument: HSGC#3  
Column: DB-ALC2  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 15009

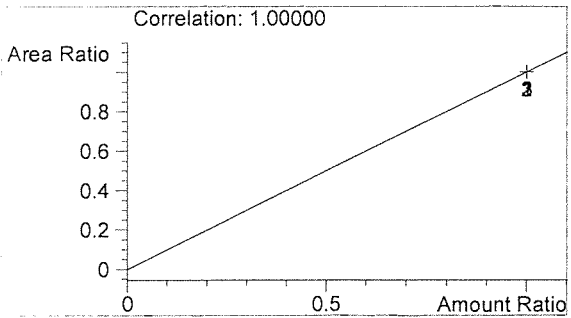
Sample Name: BLANK  
Operator: Amanda Chandler  
Location: Vial 1



#	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: 2/9/2015 1:16:12 PM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#3

Operator: Amanda Chandler

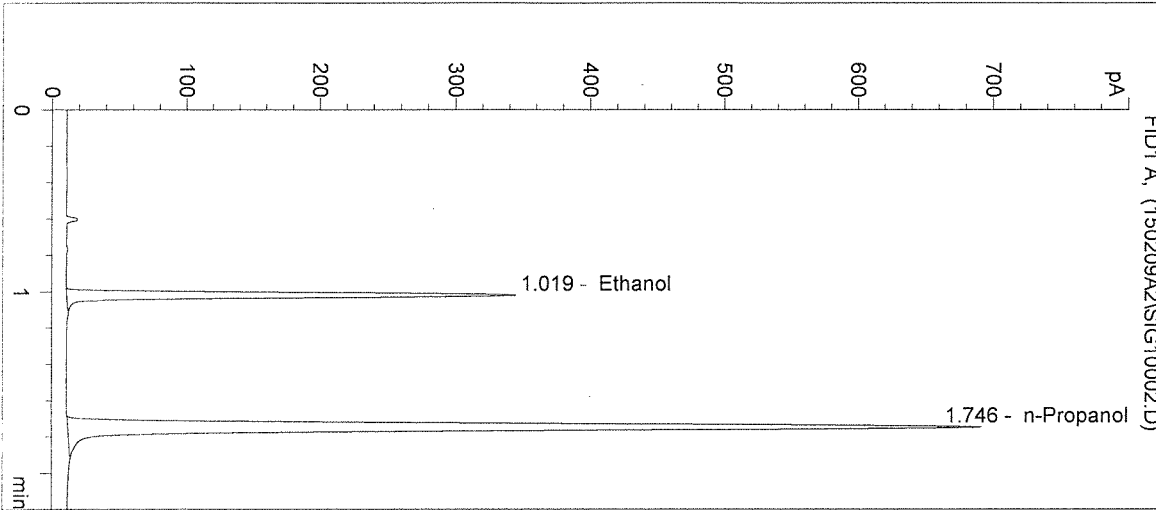
Column: DB-ALC2

Location: Vial 2

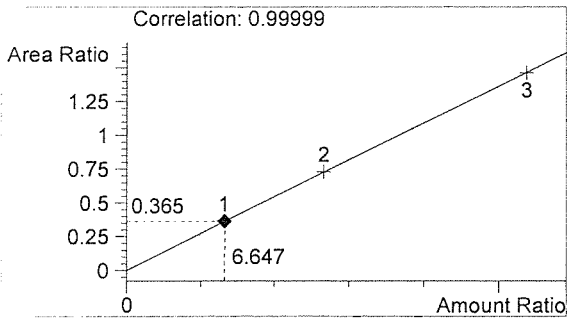
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 1: 0.079 g/100mL  
 15009

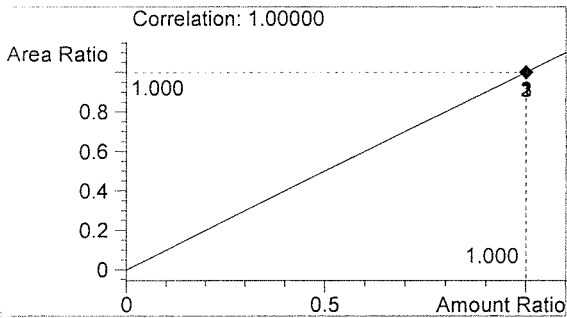
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#	Compound	Peak Area	RT (min)
1	Ethanol	660	1.019
2	n-Propanol	1808	1.746



Ethanol 0.080 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: 2/9/2015 1:19:29 PM

Sample Name: CAL 2 (0.158)

Instrument: HSGC#3

Operator: Amanda Chandler

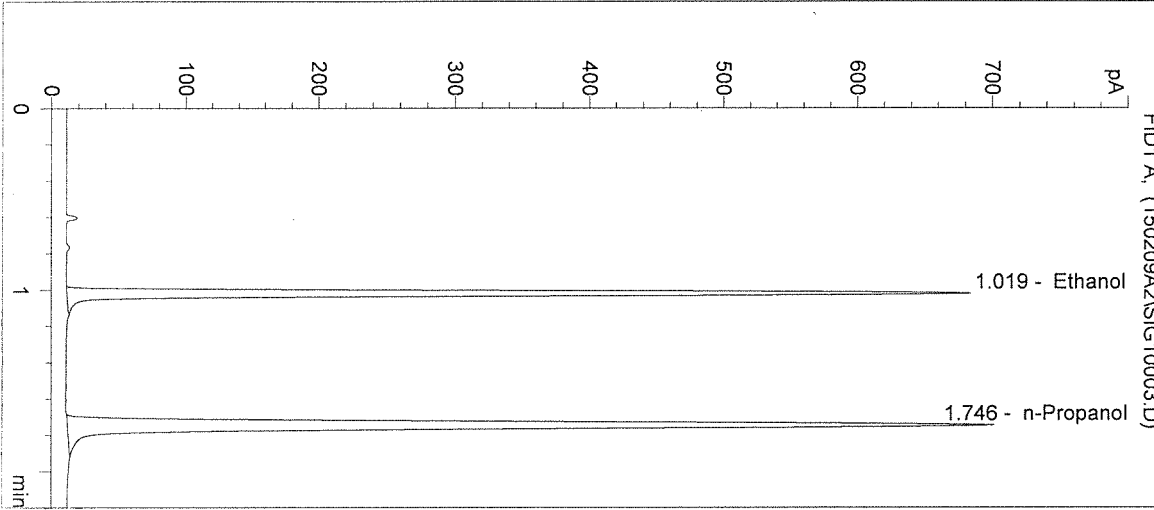
Column: DB-ALC2

Location: Vial 3

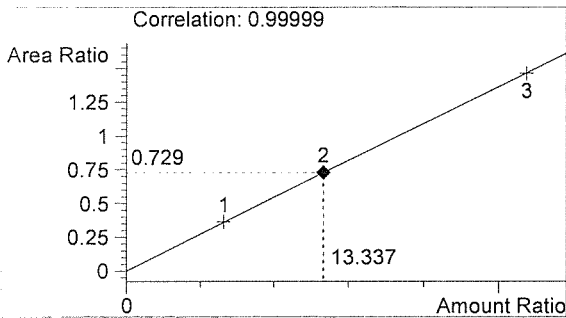
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 2: 0.158 g/100mL  
 15009

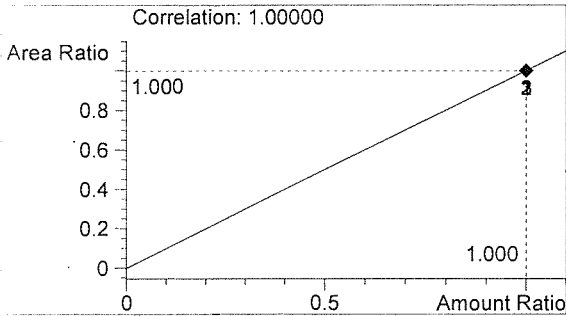
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#	Compound	Peak Area	RT (min)
1	Ethanol	1338	1.019
2	n-Propanol	1836	1.746



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/9/2015 1:22:46 PM

Sample Name: CAL 3 (0.316)

Instrument: HSGC#3

Operator: Amanda Chandler

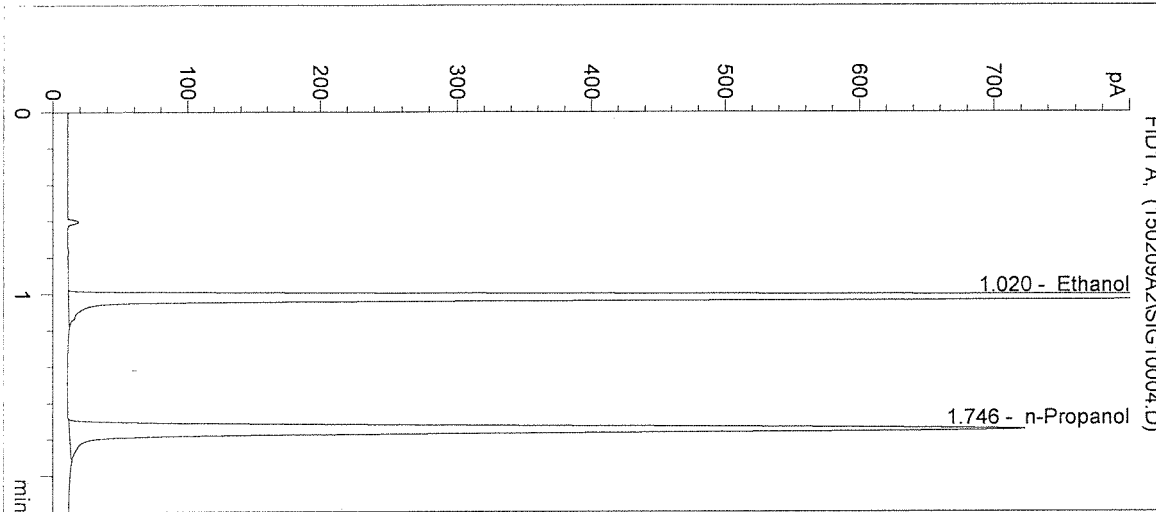
Column: DB-ALC2

Location: Vial 4

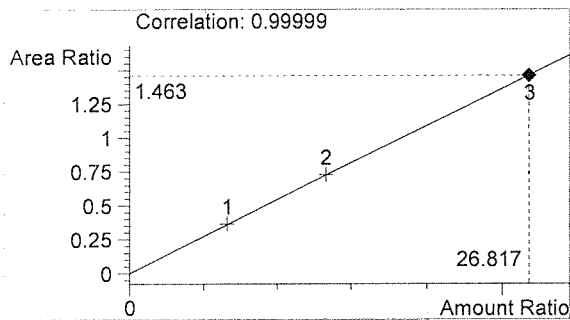
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 3: 0.316 g/100mL  
 15009

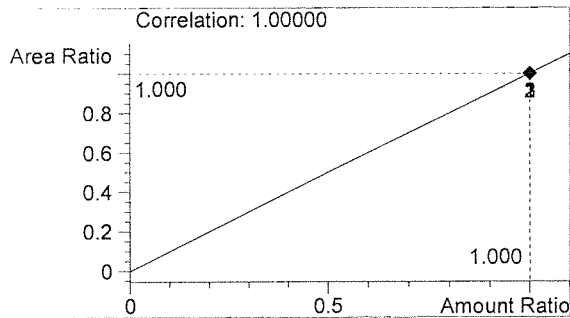
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2772	1.020
2	n-Propanol	1895	1.746



Ethanol 0.322 g/100mL



n-Propanol 0.012 g/100mL

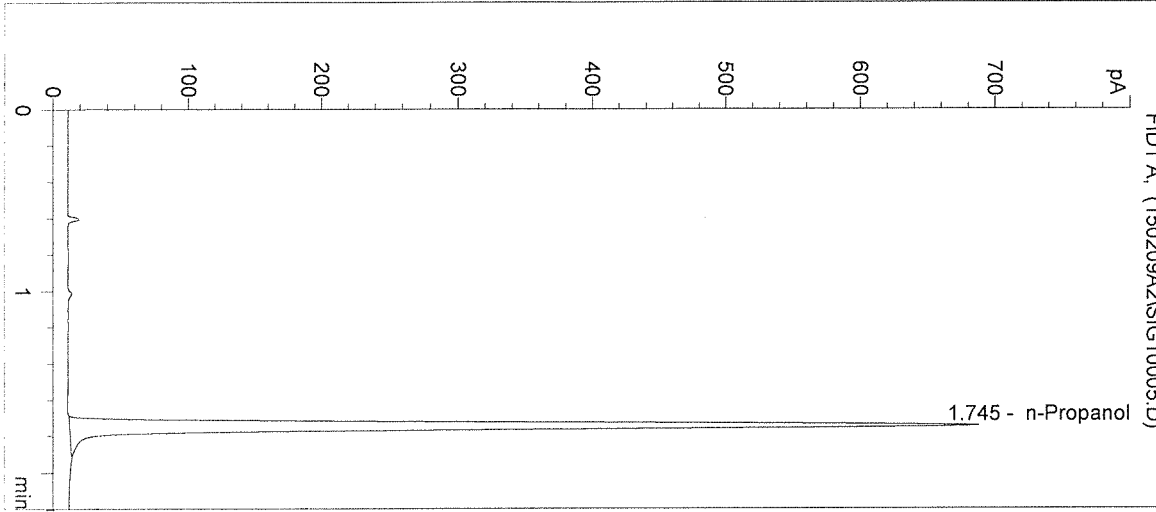
*Handwritten signature*

*Handwritten initials*

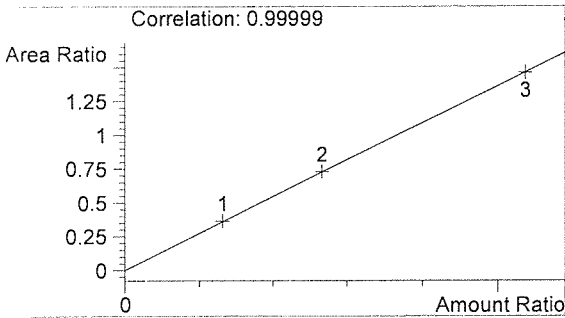


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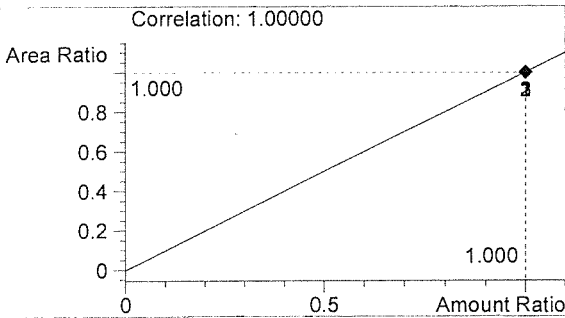
Inj. Date: 2/9/2015 1:26:00 PM      Sample Name: NEG CTRL  
Instrument: HSGC#3      Operator: Amanda Chandler  
Column: DB-ALC2      Location: Vial 5  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1805	1.745



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/9/2015 1:29:13 PM

Sample Name: CTRL 1 (0.04)

Instrument: HSGC#3

Operator: Amanda Chandler

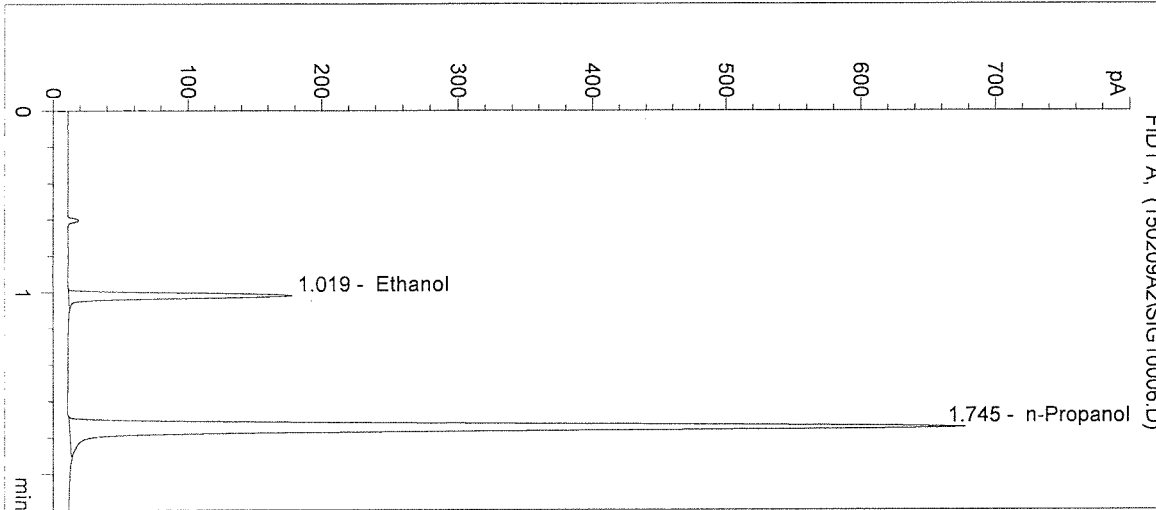
Column: DB-ALC2

Location: Vial 6

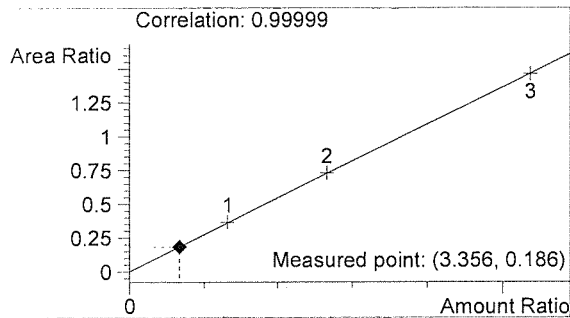
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CTRL 1: 0.04 g/100mL  
 15009

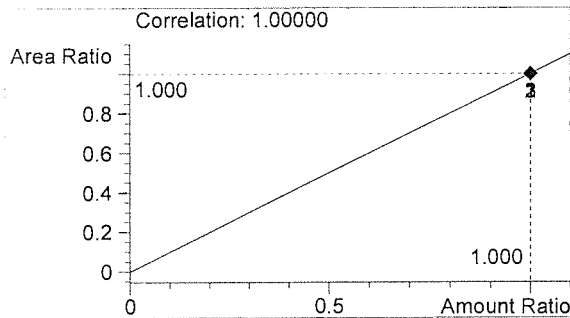
->



#	Compound	Peak Area	RT (min)
1	Ethanol	329	1.019
2	n-Propanol	1773	1.745



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

*for*

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Inj. Date: 2/9/2015 1:32:26 PM

Sample Name: CTRL 2 (0.10)

Instrument: HSGC#3

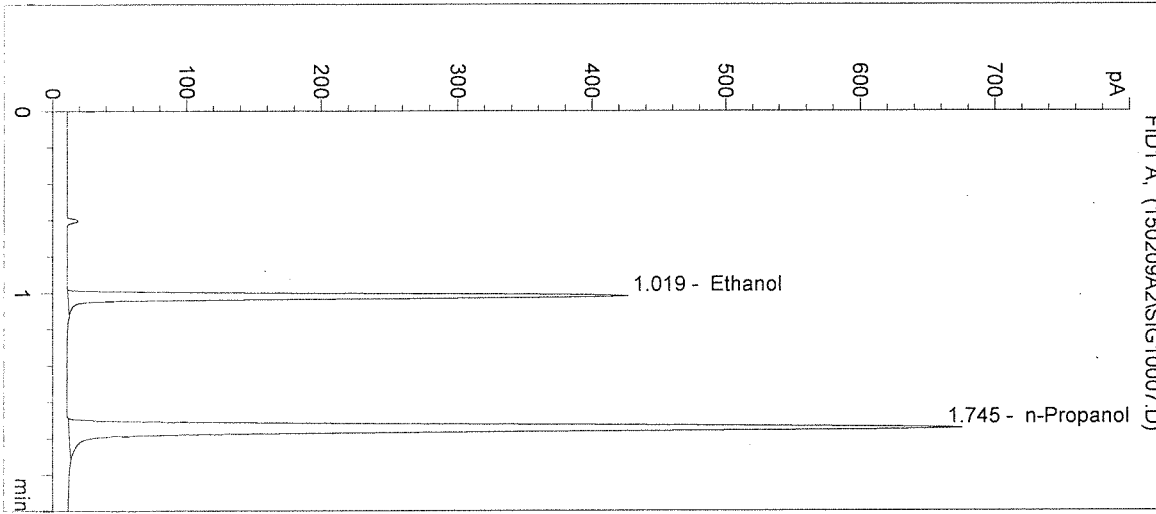
Operator: Amanda Chandler

Column: DB-ALC2

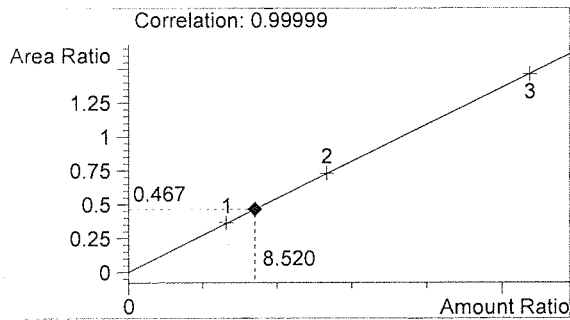
Location: Vial 7

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

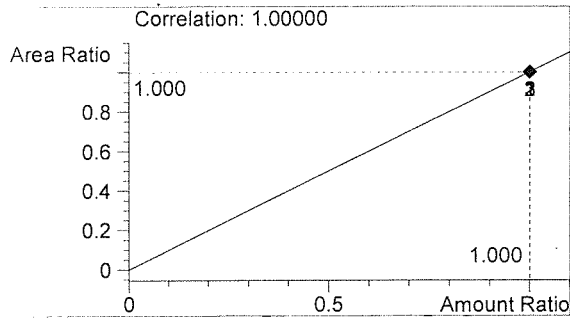
Sample Info: CTRL 2: 0.10 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	824	1.019
2	n-Propanol	1765	1.745



Ethanol 0.102 g/100mL



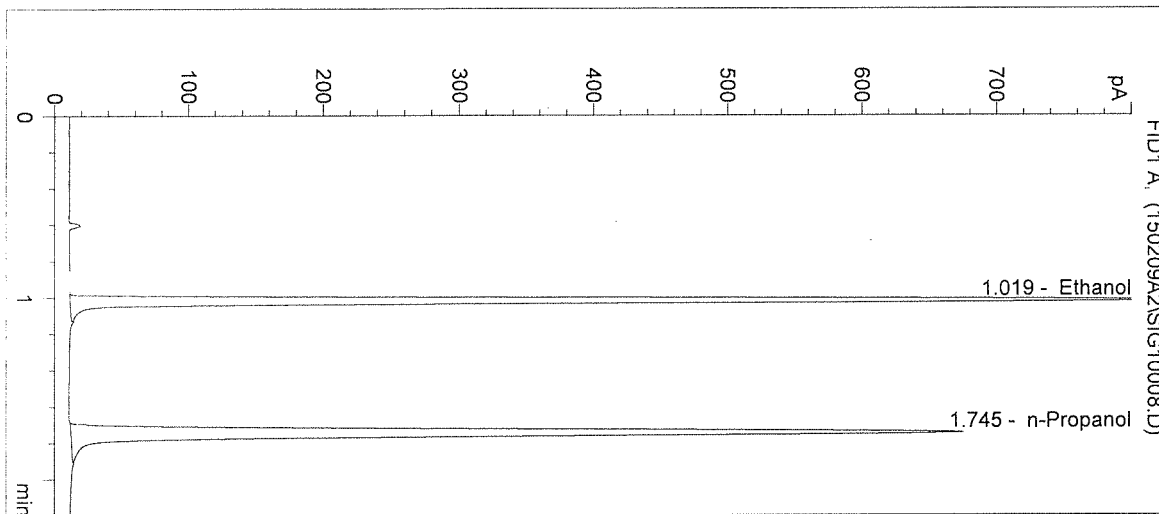
n-Propanol 0.012 g/100mL

*f*

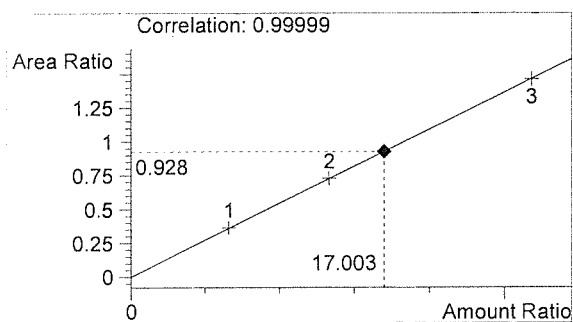
*MC*

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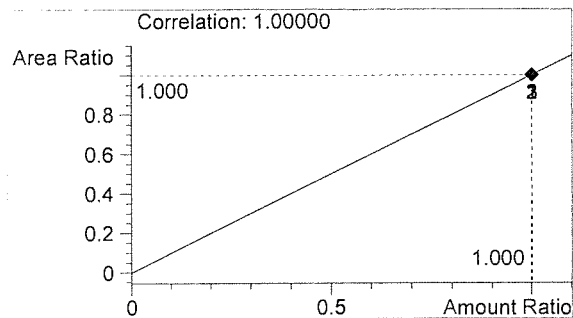
Inj. Date: 2/9/2015 1:35:39 PM      Sample Name: CTRL 3 (0.20)  
 Instrument: HSGC#3      Operator: Amanda Chandler  
 Column: DB-ALC2      Location: Vial 8  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: CTRL 3: 0.20 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	1641	1.019
2	n-Propanol	1767	1.745



Ethanol      0.204 g/100mL



n-Propanol      0.012 g/100mL

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Inj. Date: 2/9/2015 1:38:53 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

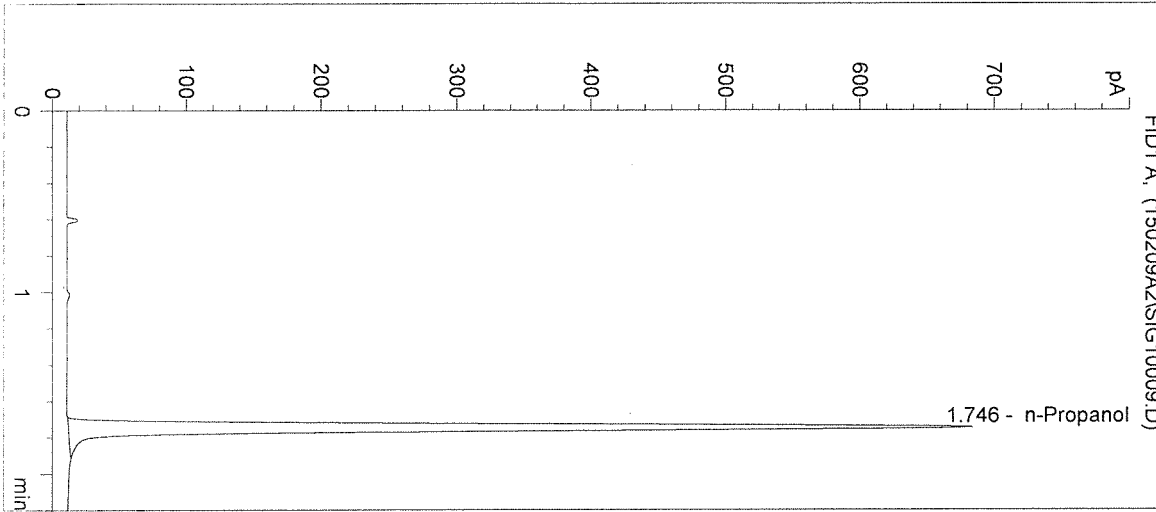
Operator: Amanda Chandler

Column: DB-ALC2

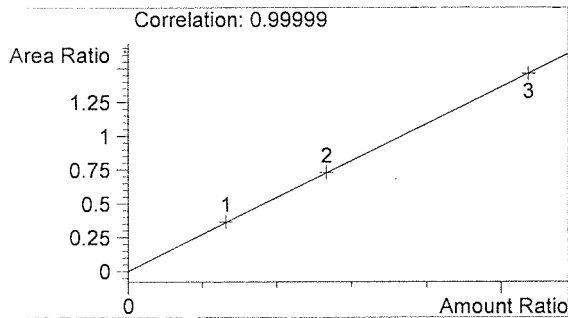
Location: Vial 9

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

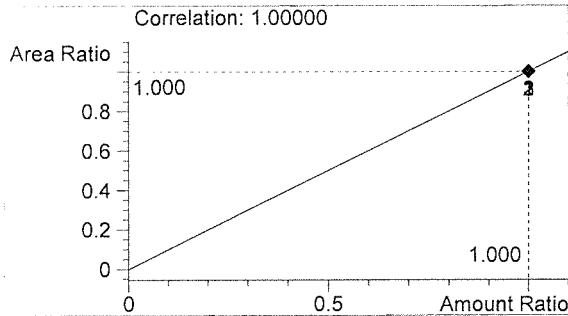
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1790	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/9/2015 1:42:06 PM

Sample Name: 15009 #1

Instrument: HSGC#3

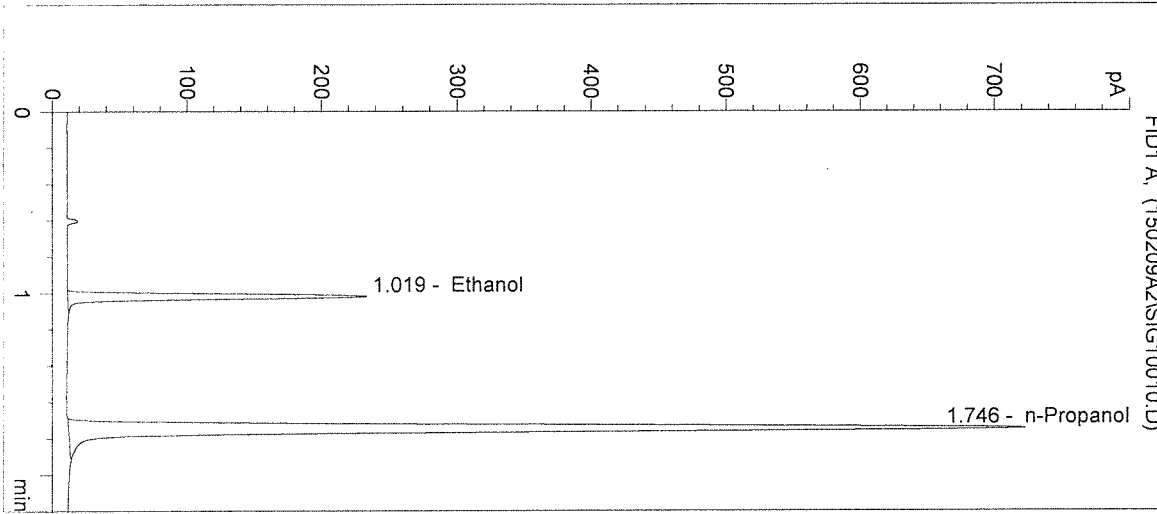
Operator: Amanda Chandler

Column: DB-ALC2

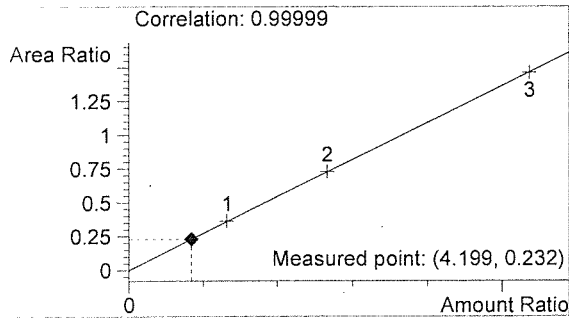
Location: Vial 10

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

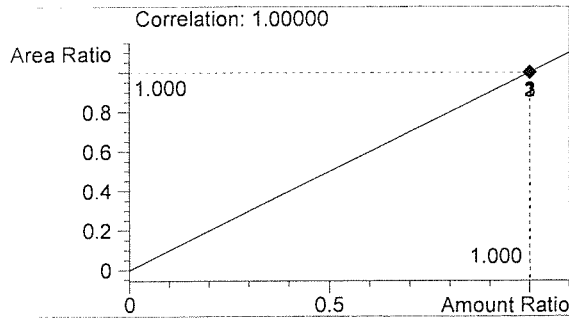
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	439	1.019
2	n-Propanol	1894	1.746



Ethanol 0.050 g/100mL



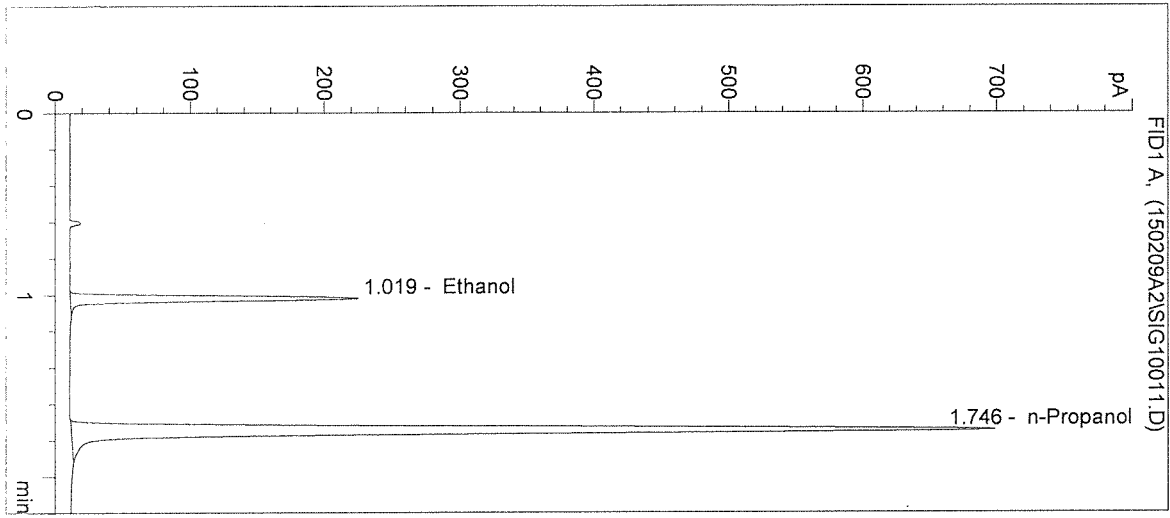
n-Propanol 0.012 g/100mL

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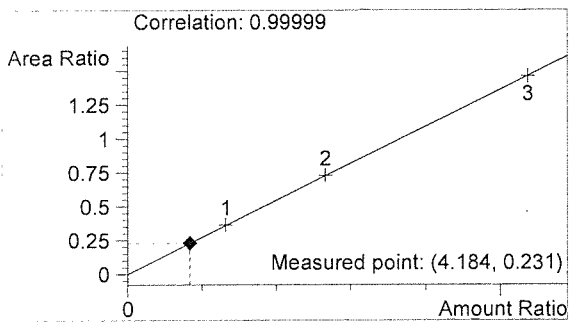
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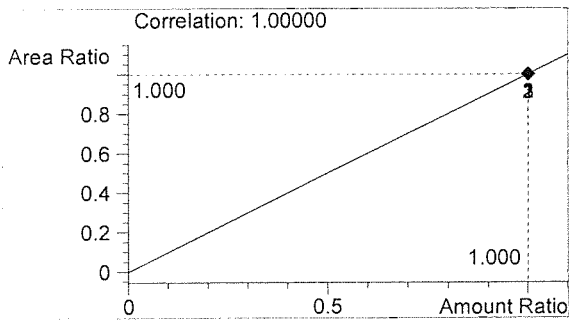
Inj. Date: 2/9/2015 1:45:20 PM      Sample Name: 15009 #2  
 Instrument: HSGC#3      Operator: Amanda Chandler  
 Column: DB-ALC2      Location: Vial 11  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	422	1.019
2	n-Propanol	1831	1.746



Ethanol      0.050 g/100mL



n-Propanol      0.012 g/100mL

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Inj. Date: 2/9/2015 1:48:33 PM

Sample Name: 15009 #3

Instrument: HSGC#3

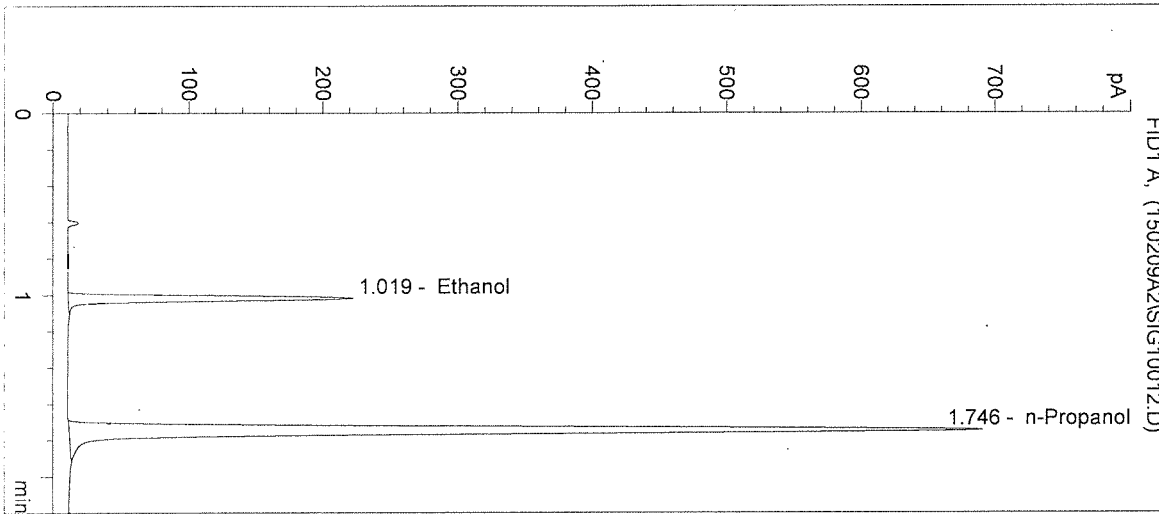
Operator: Amanda Chandler

Column: DB-ALC2

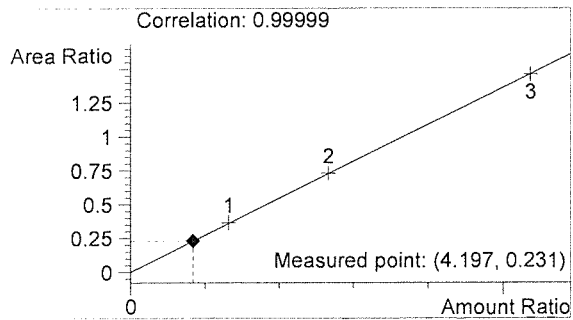
Location: Vial 12

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

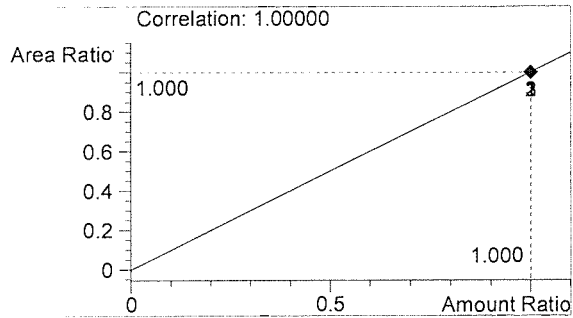
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	419	1.019
2	n-Propanol	1809	1.746



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/9/2015 1:51:46 PM

Sample Name: 15009 #4

Instrument: HSGC#3

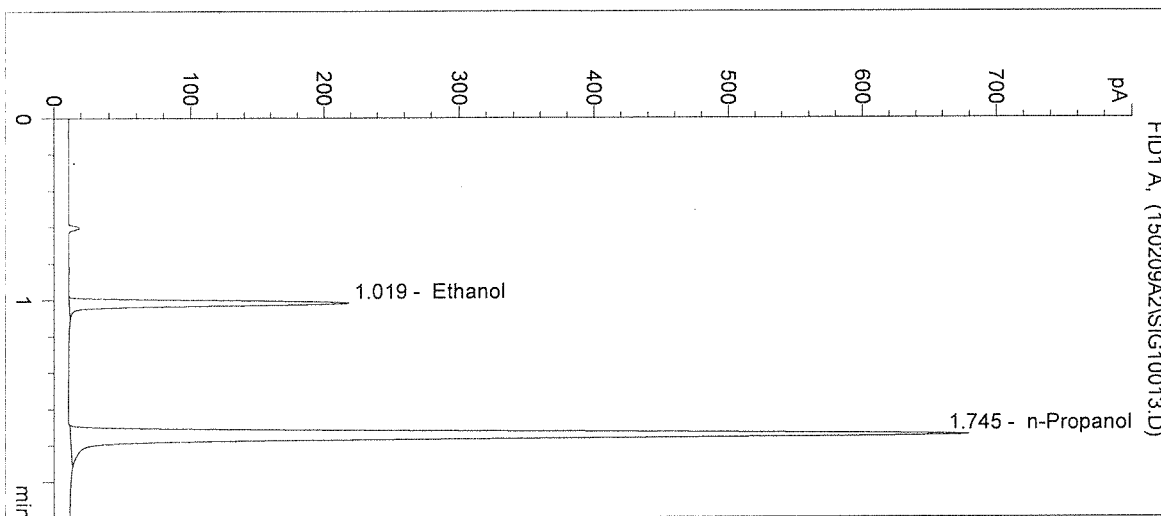
Operator: Amanda Chandler

Column: DB-ALC2

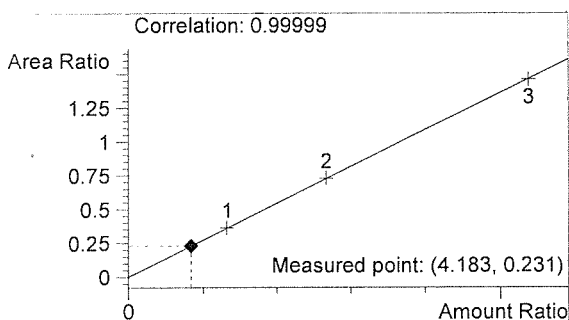
Location: Vial 13

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

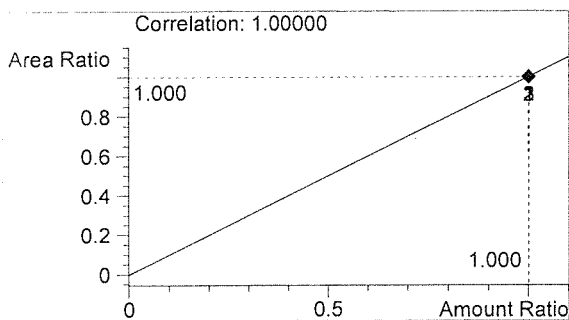
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	411	1.019
2	n-Propanol	1780	1.745



Ethanol 0.050 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: 2/9/2015 1:54:59 PM

Sample Name: 15009 #5

Instrument: HSGC#3

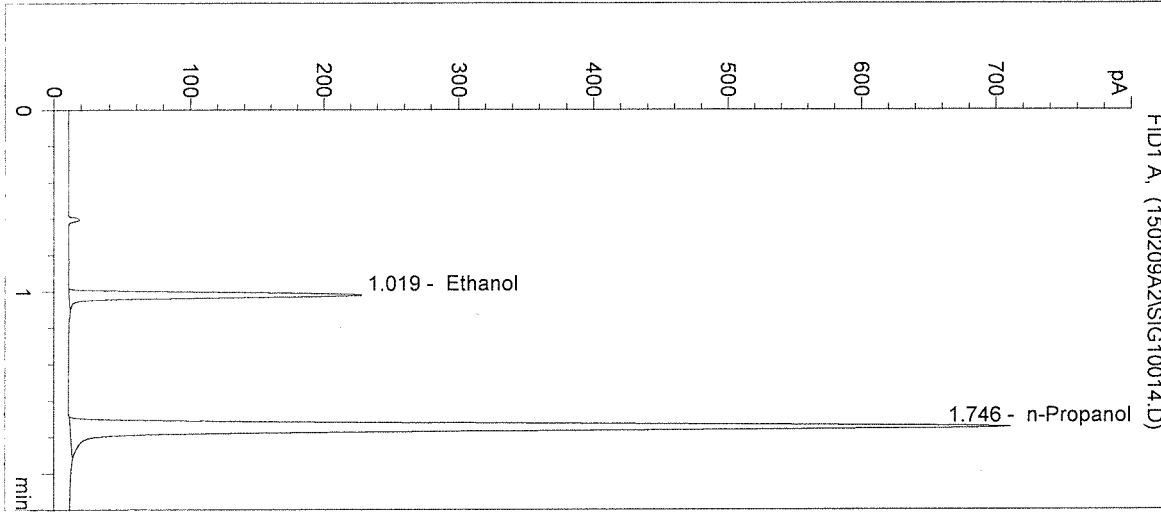
Operator: Amanda Chandler

Column: DB-ALC2

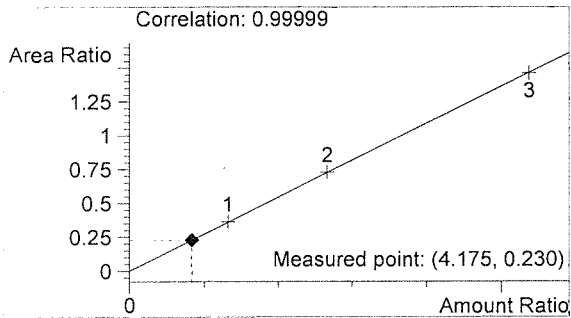
Location: Vial 14

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

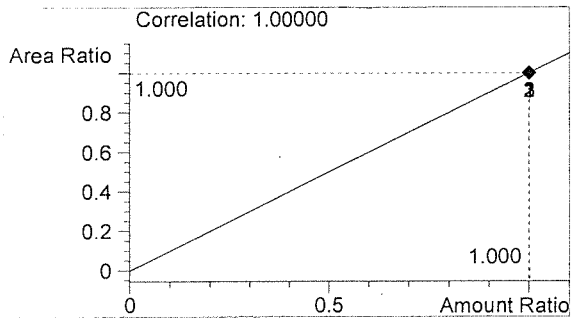
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	430	1.019
2	n-Propanol	1866	1.746



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 2/9/2015 1:58:12 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#3

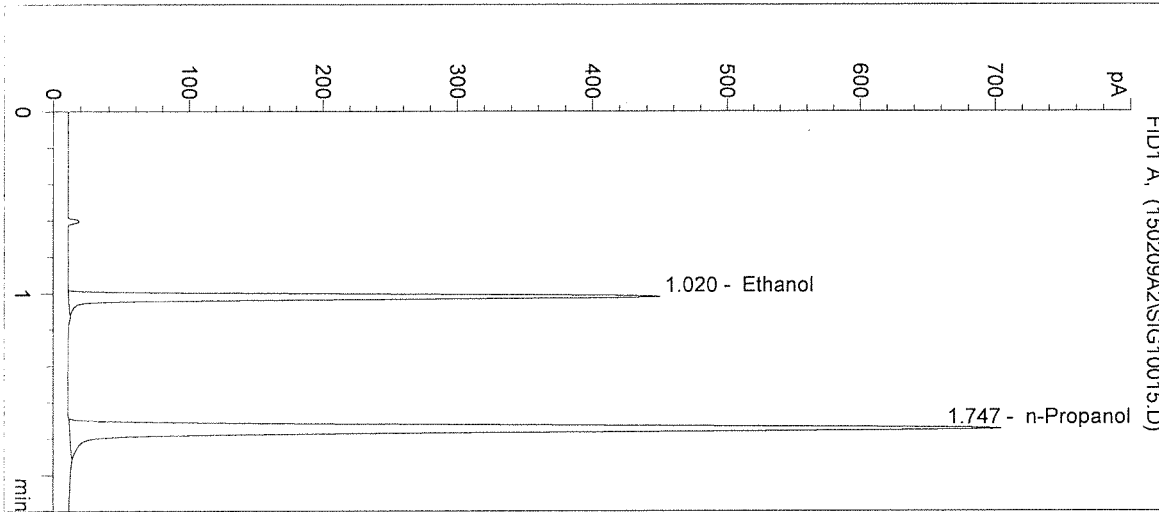
Operator: Amanda Chandler

Column: DB-ALC2

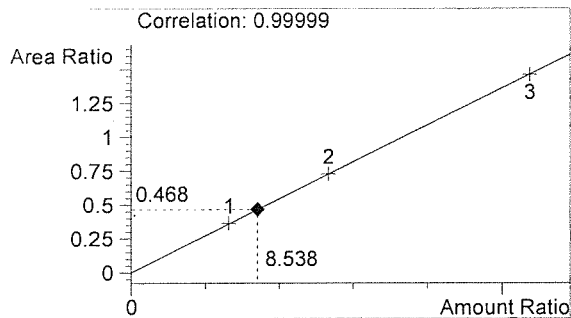
Location: Vial 15

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

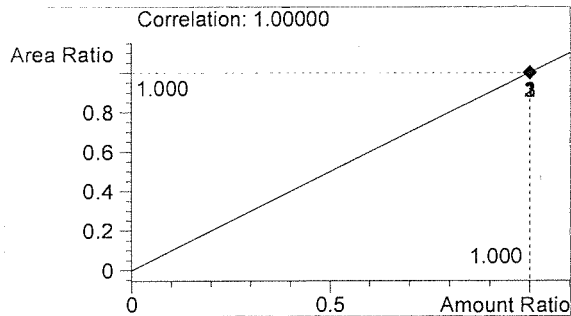
Sample Info: POS CTRL: 0.10 g/100mL  
 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	862	1.020
2	n-Propanol	1843	1.747



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/9/2015 2:01:26 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

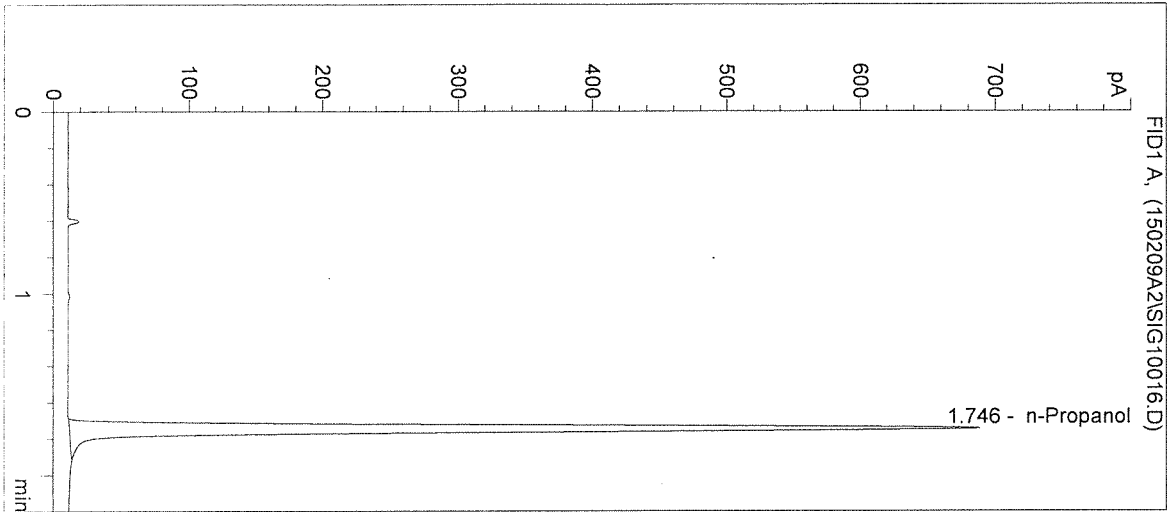
Operator: Amanda Chandler

Column: DB-ALC2

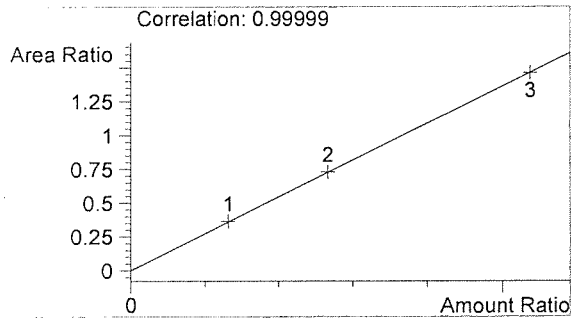
Location: Vial 16

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

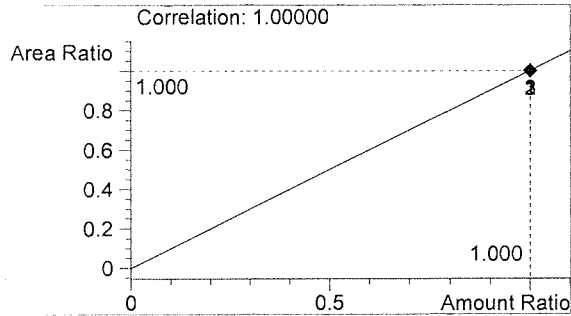
Sample Info: 15009



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1806	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*AC*