



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15046

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: 0.15 g/210L
DATE PREPARED: 10/12/2015
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	BT	LL
1	0.187	0.188	0.187
2	0.187	0.192	0.187
3	0.189	0.187	0.187
4	0.186	0.186	0.187
5	0.186	0.189	0.187
C	0.101	0.102	0.102

ETHANOL CONTROL INFORMATION


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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1875 g/100mL PRECISION CV (%): 0.83
STANDARD DEVIATION: 0.00155 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1524 g/210L
EXPANDED UNCERTAINTY: ± 0.0034 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

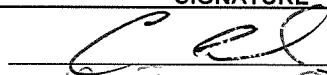
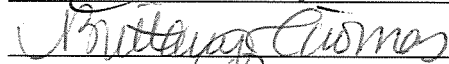
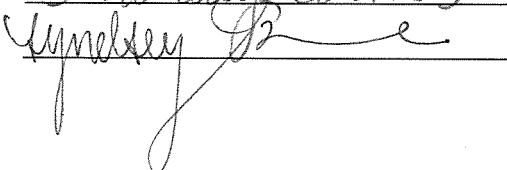


Lisa Noble Forensic Scientist Supervisor

11/6/15

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		10/12/2015
BT	Brittany Thomas		10/14/2015
LL	Lyndsey Lowe		10/21/2015

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 #: 15046

Date Prepared: 10/12/2015

Analyst:	AL	BT	LL
Date Tested:	10/12/2015	10/14/2015	10/21/2015
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.187	0.188	0.187
2	0.187	0.192	0.187
3	0.189	0.187	0.187
4	0.186	0.186	0.187
5	0.186	0.189	0.187
C	0.101	0.102	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000045708	0.0000107498	0.0001016326

Ethanol Control Lot #: FN08051301
Control Uncertainty (%): 10.29

Average Solution Concentration: 0.1875 g/100mL
Standard Deviation: 0.00155 g/100mL
Precision CV (%): 0.83
Equivalent Vapor Concentration: 0.1524 g/210L
Combined Standard Uncertainty (\pm): 0.0017 g/210L
Expanded Uncertainty (\pm): 0.0034 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 10/27/15
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 11-4-15 Method: Hand calculation
Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 10/27/15
Name Signature Date

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 11-4-15

Location: WSP-FLSB Seattle, WA Solution Batch Number: 15046

	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: _____

11-4-15



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		
Andrew Gingras		
Asa Louis	AL	20151028
Brittany Thomas	BT	10/29/15
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Lowe	L	10.27.15
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 15046 for 10/27/15

pn

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15046**

I, Asa J. Louis, 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: B.S. degree in Biochemistry and over ten years of toxicology experience.

The quality assurance procedure (QAP) solution, Lot Number 15046, was prepared in the Washington State Toxicology Laboratory on 10/12/2015. 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 10/12/2016.

Seattle, WA

Asa J. Louis 2015/12/28

Asa J. Louis

Date

Forensic Scientist

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15046**

I, Brittany Thomas, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology and a Masters in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 15046, was prepared in the Washington State Toxicology Laboratory on 10/12/2015. 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 10/12/2016.

Seattle, WA

 10/29/15

Brittany Thomas

Date

Forensic Scientist

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15046**

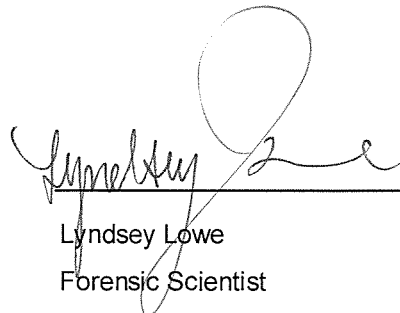
I, Lyndsey Lowe, do certify under penalty of perjury that:

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 15046, was prepared in the Washington State Toxicology Laboratory on 10/12/2015. 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 10/12/2016.

Seattle, WA


Lyndsey Lowe
Forensic Scientist

10.27.15
Date

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

Preparation Date: 20151012 Expiration Date: 20161012 Initials of Preparer: AK

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

Date the 200-proof Ethanol bottle was opened: 20151012

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

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input type="checkbox"/>	
QAP 0.08	22.4	18	<input type="checkbox"/>	
QAP 0.10	28.1	18	<input type="checkbox"/>	
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>15046</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>15047</u>
ESS	66.5	52	<input type="checkbox"/>	

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken


Batch labeled, packaged and sealed

20151012

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:


Analyst Signature

20151012
Date

Sequence Parameters:

Operator: asa louis
 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: 151012A3
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

0.079 cal 1 e0615-01 exp 12/02/2015
 0.158 cal 2 e0615-02 exp 12/02/2015
 0.316 cal 3 e0615-03 exp 12/02/2015
 0.04 control fn05011301 exp 05/2018
 0.10 control fn08051301 exp 10/2018
 0.20 control fn03211401 exp 06/2019
 istd p0915 exp 12/18/2015

calibration in batch ~~15043~~
 15044 *fn 10/27/15*

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC3	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC3	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC3	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC3	1	Calib		
5	Vial 5	neg ctrl - al	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC3	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC3	1	Ctrl Samp		
10	Vial 10	qap0.04 15043 #1	SIMALC3	1	Sample		
11	Vial 11	qap0.04 15043 #2	SIMALC3	1	Sample		
12	Vial 12	qap0.04 15043 #3	SIMALC3	1	Sample		
13	Vial 13	qap0.04 15043 #4	SIMALC3	1	Sample		
14	Vial 14	qap0.04 15043 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC3	1	Ctrl Samp		
17	Vial 17	qap0.08 15044 #1	SIMALC3	1	Sample		
18	Vial 18	qap0.08 15044 #2	SIMALC3	1	Sample		
19	Vial 19	qap0.08 15044 #3	SIMALC3	1	Sample		
20	Vial 20	qap0.08 15044 #4	SIMALC3	1	Sample		
21	Vial 21	qap0.08 15044 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC3	1	Ctrl Samp		
24	Vial 24	qap0.10 15045 #1	SIMALC3	1	Sample		
25	Vial 25	qap0.10 15045 #2	SIMALC3	1	Sample		
26	Vial 26	qap0.10 15045 #3	SIMALC3	1	Sample		

15046

fn 10/27/15

AK

equence: C:\HPCHEM\2\SEQUENCE\ALQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	qap0.10 15045 #4	SIMALC3	1	Sample		
28	Vial 28	qap0.10 15045 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC3	1	Ctrl Samp		
31	Vial 31	qap0.15 15046 #1	SIMALC3	1	Sample		
32	Vial 32	qap0.15 15046 #2	SIMALC3	1	Sample		
33	Vial 33	qap0.15 15046 #3	SIMALC3	1	Sample		
34	Vial 34	qap0.15 15046 #4	SIMALC3	1	Sample		
35	Vial 35	qap0.15 15046 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	SIMALC3	1	Ctrl Samp		
38	Vial 38	qap0.20 15047 #1	SIMALC3	1	Sample		
39	Vial 39	qap0.20 15047 #2	SIMALC3	1	Sample		
40	Vial 40	qap0.20 15047 #3	SIMALC3	1	Sample		
41	Vial 41	qap0.20 15047 #4	SIMALC3	1	Sample		
42	Vial 42	qap0.20 15047 #5	SIMALC3	1	Sample		
43	Vial 43	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
44	Vial 44	neg ctrl - al	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!

15046
Inj 2/15

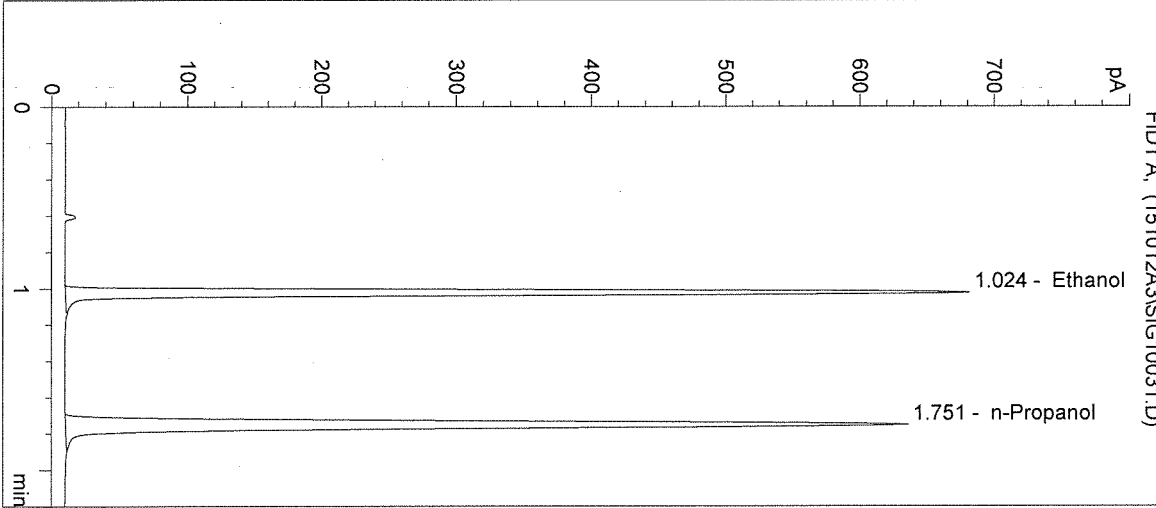
AC

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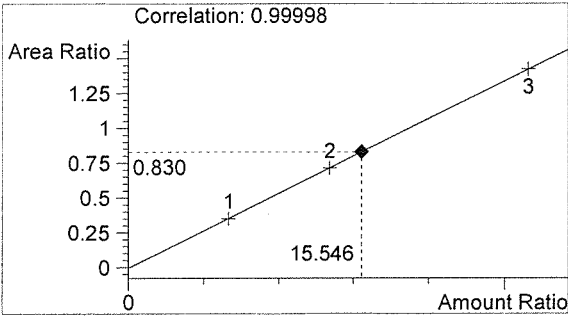
Inj. Date: 10/12/2015 2:42:29 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: gap0.15 15046 #1
 Operator: asa louis
 Location: Vial 31

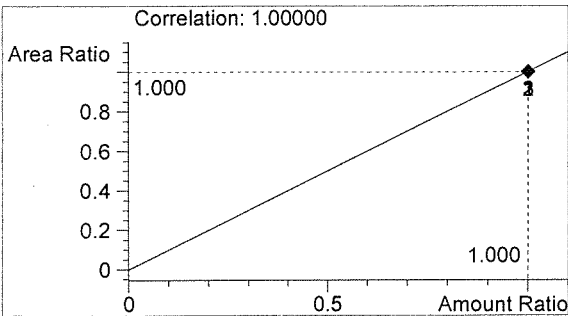
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1404	1.024
2	n-Propanol	1692	1.751



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature/initials

Handwritten signature/initials

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Inj. Date: 10/12/2015 2:45:42 PM

Sample Name: gap0.15 15046 #2

Instrument: HSGC#3

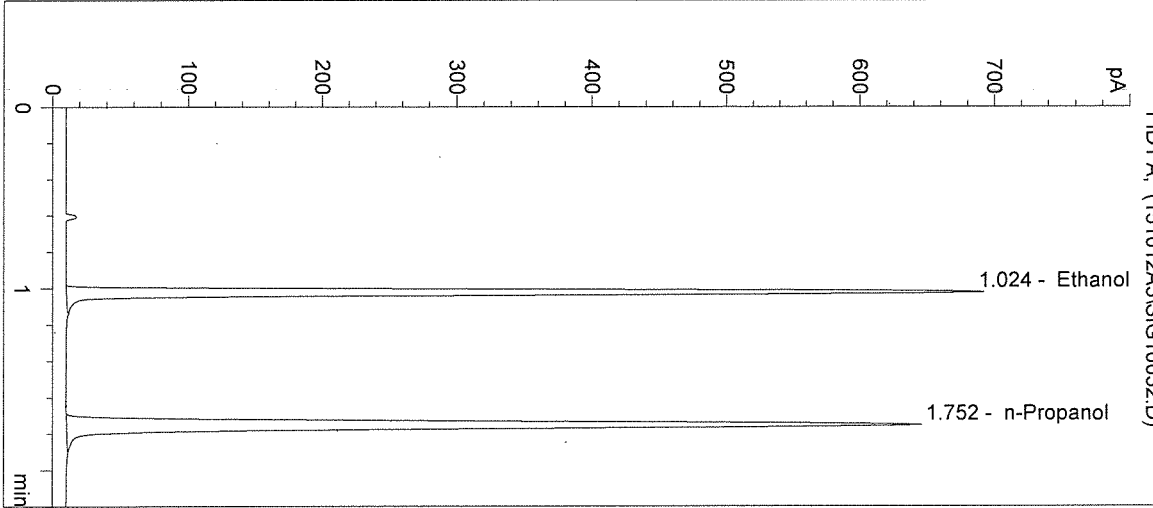
Operator: asa louis

Column: DB-ALC2

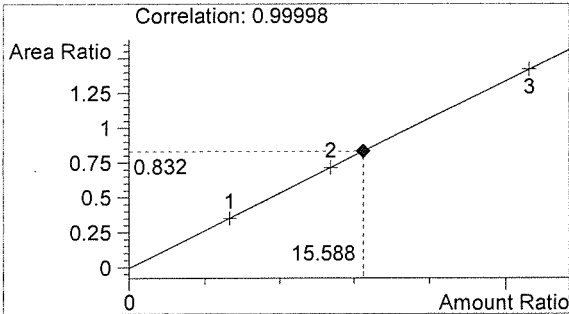
Location: Vial 32

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

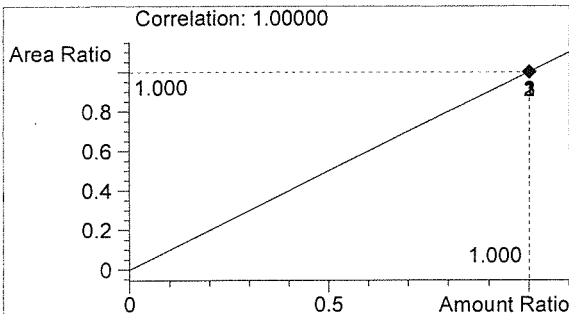
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1432	1.024
2	n-Propanol	1720	1.752



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/12/2015 2:48:55 PM

Sample Name: gap0.15 15046 #3

Instrument: HSGC#3

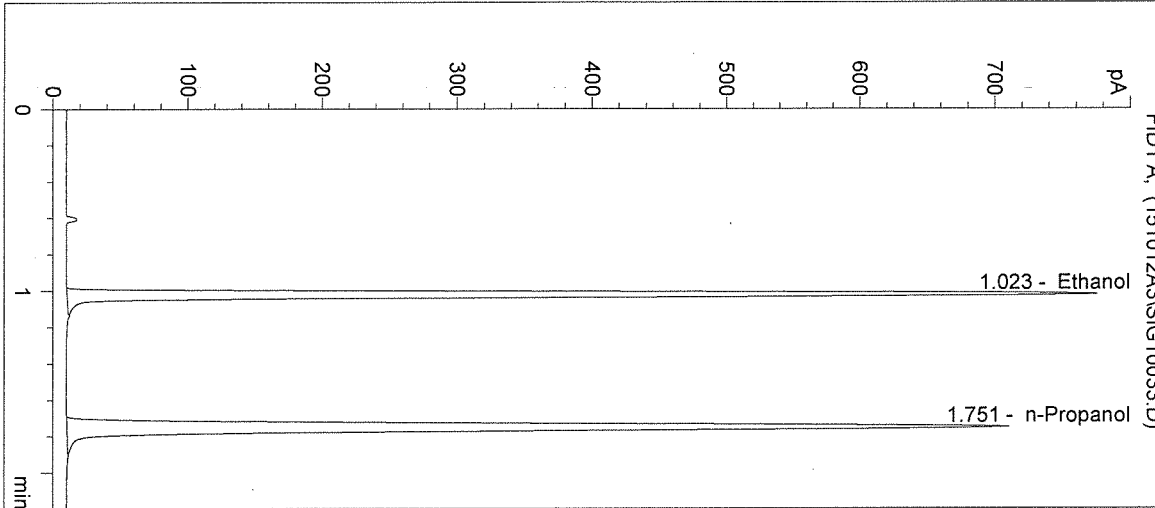
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Column: DB-ALC2

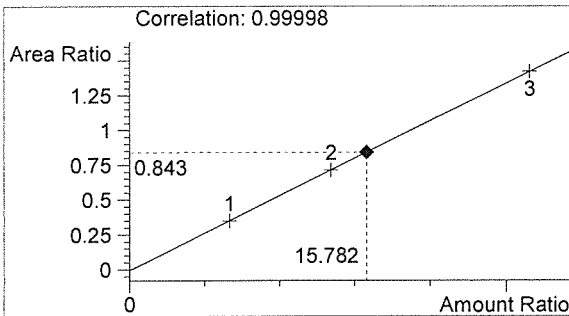
Location: Vial 33

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

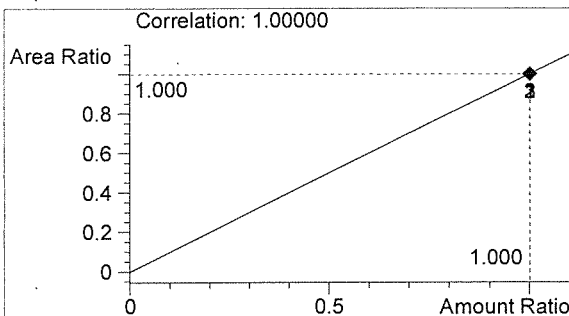
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1596	1.023
2	n-Propanol	1894	1.751



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

sh

M

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Inj. Date: 10/12/2015 2:52:09 PM

Sample Name: gap0.15 15046 #4

Instrument: HSGC#3

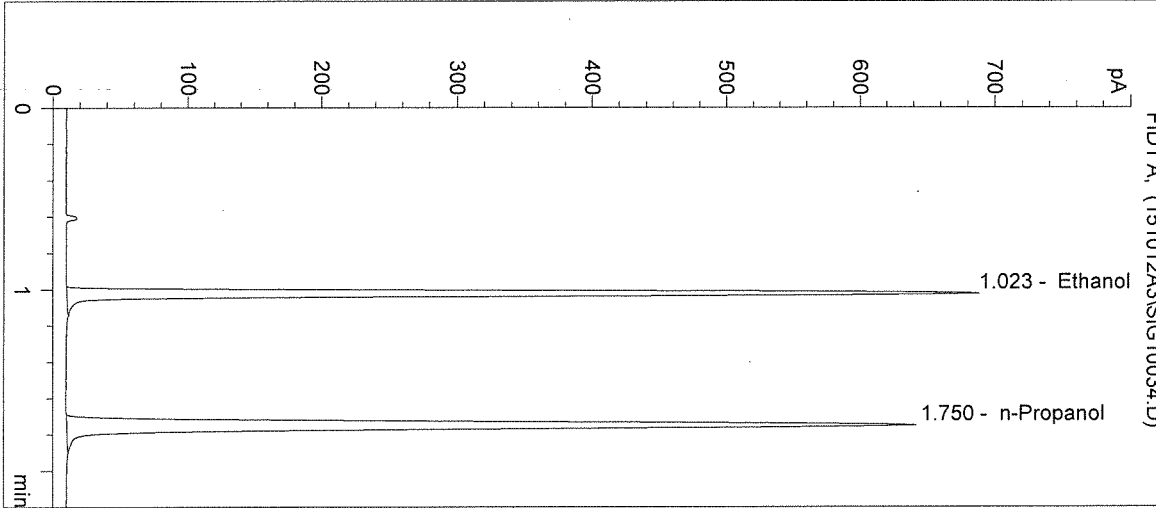
Operator: asa louis

Column: DB-ALC2

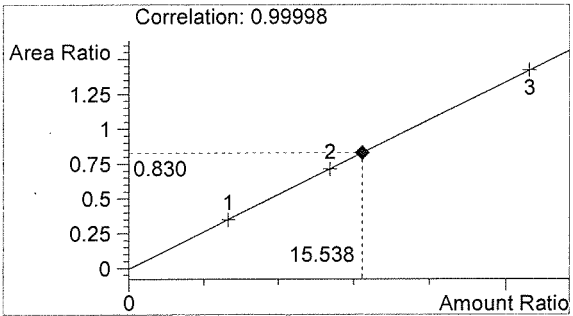
Location: Vial 34

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

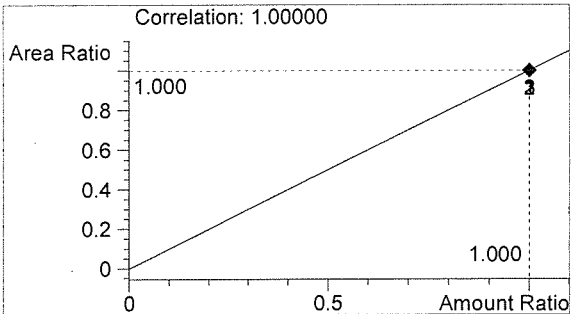
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1418	1.023
2	n-Propanol	1710	1.750



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

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Inj. Date: 10/12/2015 2:55:23 PM

Sample Name: gap0.15 15046 #5

Instrument: HSGC#3

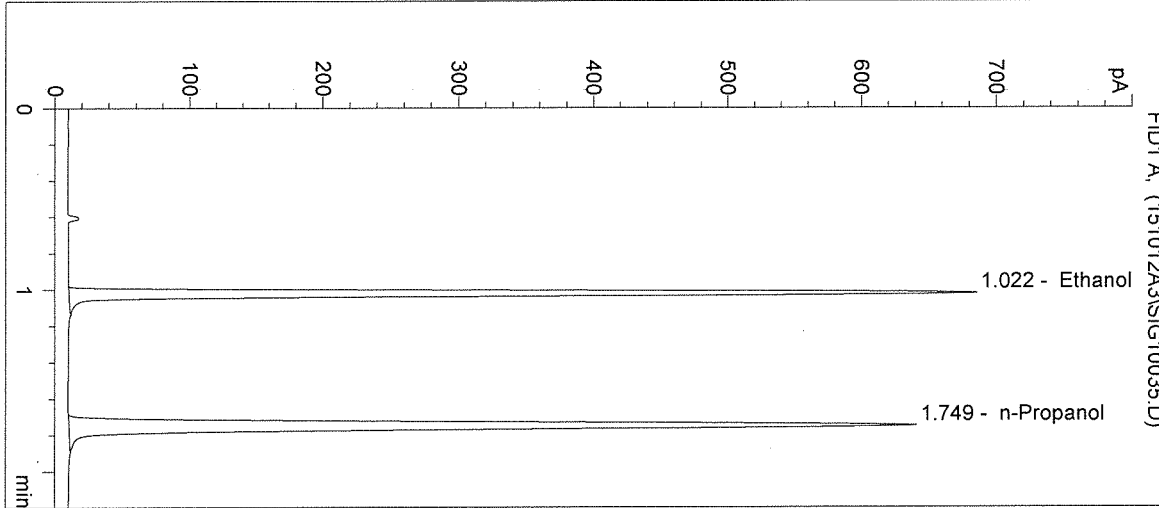
Operator: asa louis

Column: DB-ALC2

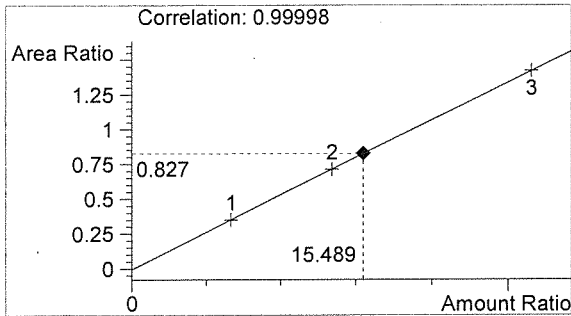
Location: Vial 35

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

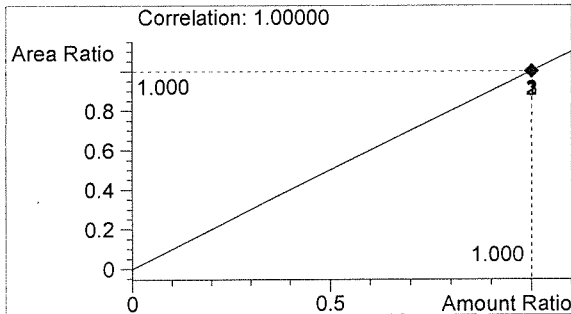
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1409	1.022
2	n-Propanol	1704	1.749



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

sh

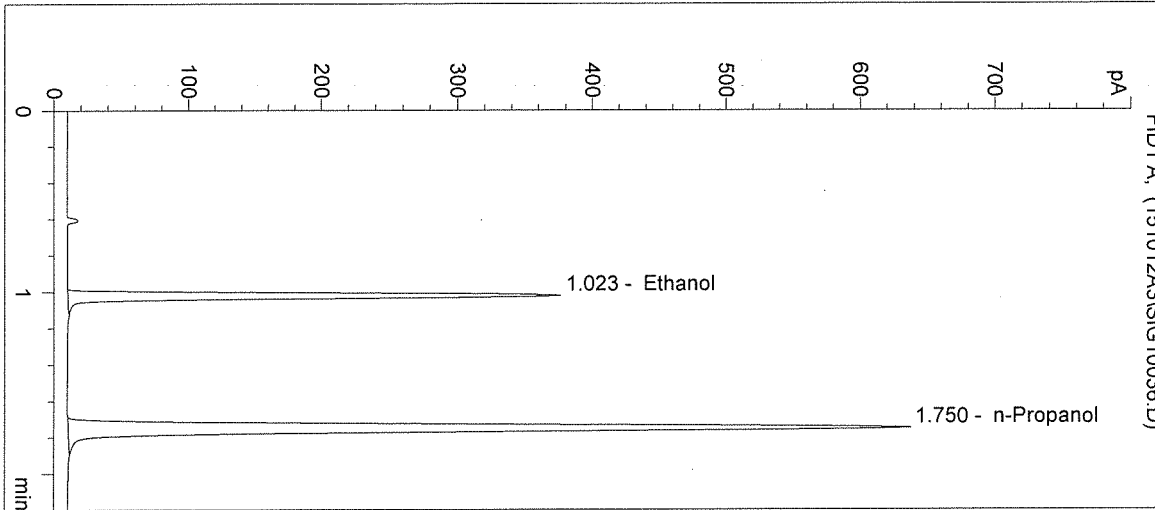
AL

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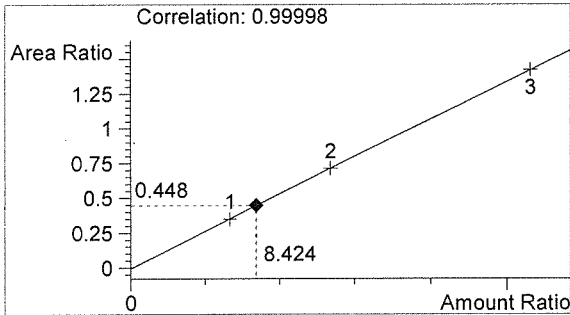
Inj. Date: 10/12/2015 2:58:36 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 0.10 ctrl - al
 Operator: asa louis
 Location: Vial 36

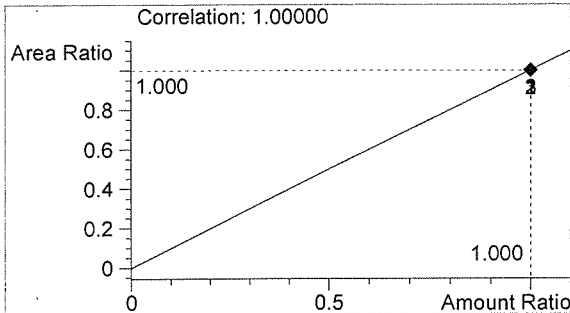
Sample Info: qap 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	760	1.023
2	n-Propanol	1697	1.750



Ethanol 0.101 g/100mL



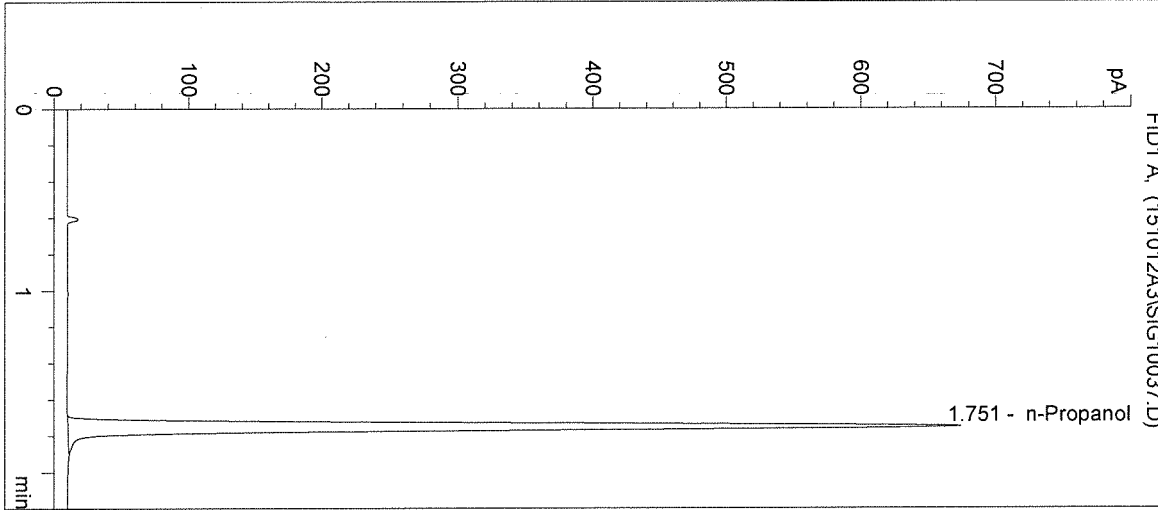
n-Propanol 0.012 g/100mL

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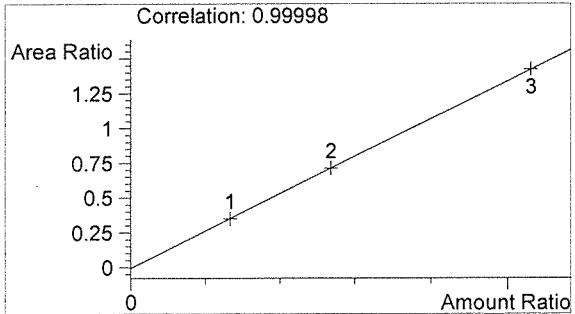
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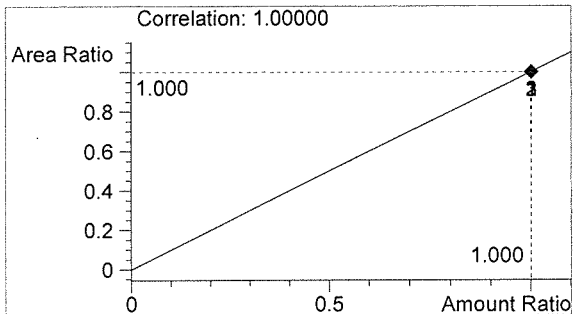
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Instrument: HSGC#3 Operator: asa louis
Column: DB-ALC2 Location: Vial 37
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: gap 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1799	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

Sequence Parameters:

Operator: Brittany Thomas
 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: 151014B
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0615-01 - EXP 12/2/2015
 CAL 2 (0.158g/100mL) - LOT# E0615-02 - EXP 12/2/2015
 CAL 3 (0.316g/100mL) - LOT# E0615-03 - EXP 12/2/2015
 n-Propanol ISTD - LOT# P0915 - 12/18/2015
 CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 05/2018
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN03211401 - EXP 06/2019

Calibrator and control data located in batch folder 15044

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-BT	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-BT	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-BT	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-BT	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-BT	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP0.08 15044 #1	SIMALC3	1	Sample		
11	Vial 11	QAP0.08 15044 #2	SIMALC3	1	Sample		
12	Vial 12	QAP0.08 15044 #3	SIMALC3	1	Sample		
13	Vial 13	QAP0.08 15044 #4	SIMALC3	1	Sample		
14	Vial 14	QAP0.08 15044 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-BT	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-BT	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP0.10 15045 #1	SIMALC3	1	Sample		
18	Vial 18	QAP0.10 15045 #2	SIMALC3	1	Sample		
19	Vial 19	QAP0.10 15045 #3	SIMALC3	1	Sample		
20	Vial 20	QAP0.10 15045 #4	SIMALC3	1	Sample		
21	Vial 21	QAP0.10 15045 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL-BT	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL-BT	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP0.15 15046 #1	SIMALC3	1	Sample		
25	Vial 25	QAP0.15 15046 #2	SIMALC3	1	Sample		
26	Vial 26	QAP0.15 15046 #3	SIMALC3	1	Sample		

~~1504~~ 12/18/2015

15046
12/18/2015

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP0.15 15046 #4	SIMALC3	1	Sample		
28	Vial 28	QAP0.15 15046 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL-BT	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL-BT	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP0.20 15047 #1	SIMALC3	1	Sample		
32	Vial 32	QAP0.20 15047 #2	SIMALC3	1	Sample		
33	Vial 33	QAP0.20 15047 #3	SIMALC3	1	Sample		
34	Vial 34	QAP0.20 15047 #4	SIMALC3	1	Sample		
35	Vial 35	QAP0.20 15047 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL-BT	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL-BT	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!

15046

10/27/15

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

Inj. Date: 10/14/2015 2:22:47 PM

Sample Name: QAP0.15 15046 #1

Instrument: HSGC#3

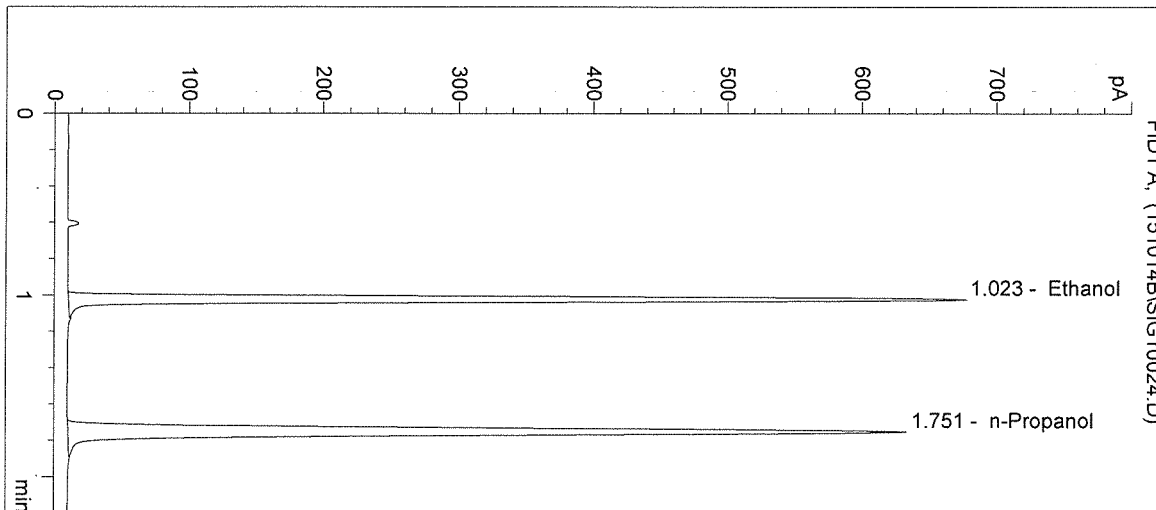
Operator: Brittany Thomas

Column: DB-ALC2

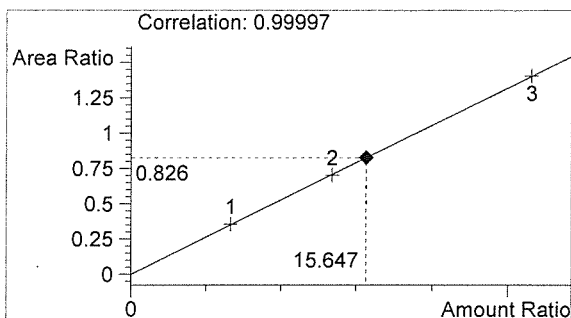
Location: Vial 24

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

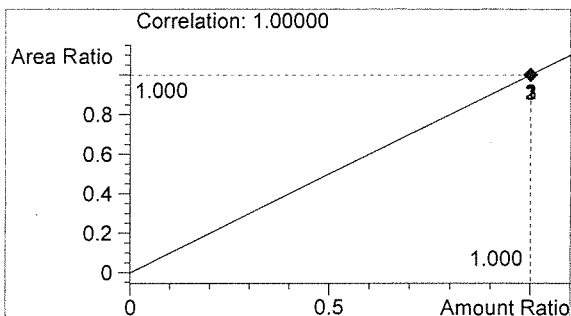
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1395	1.023
2	n-Propanol	1690	1.751



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

fr

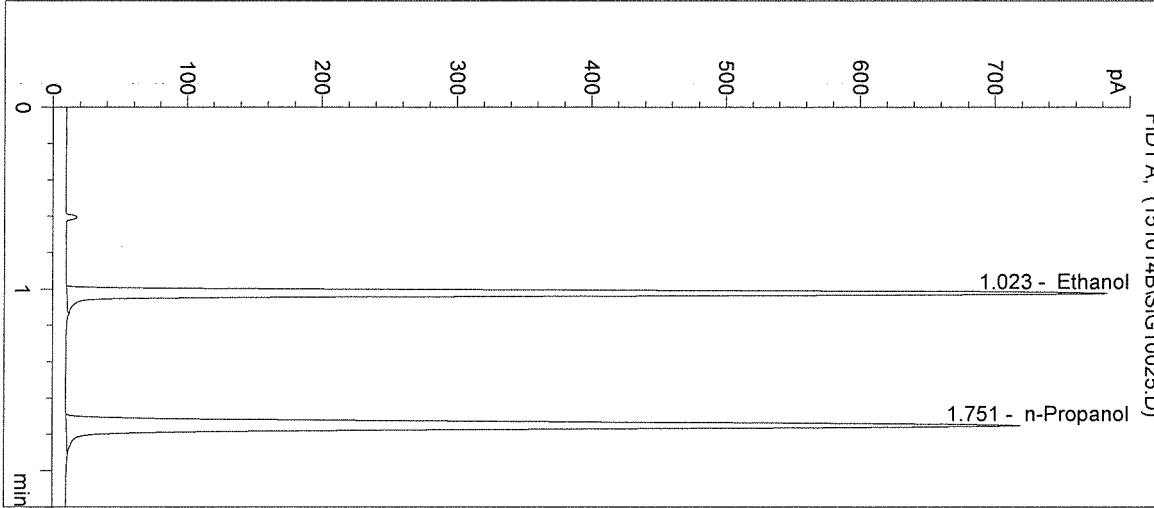
BT

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2203 Airport Way S Seattle, WA 98134

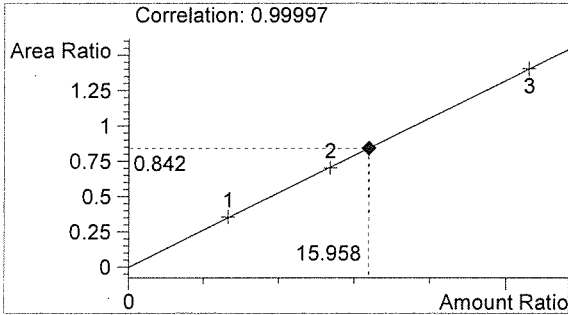
Inj. Date: 10/14/2015 2:26:01 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: QAP0.15 15046 #2
Operator: Brittany Thomas
Location: Vial 25

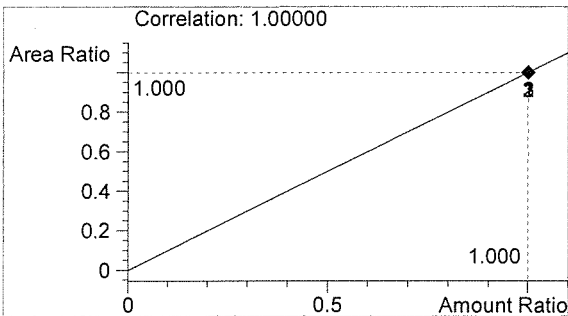
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1619	1.023
2	n-Propanol	1922	1.751



Ethanol 0.192 g/100mL



n-Propanol 0.012 g/100mL

fr

BT

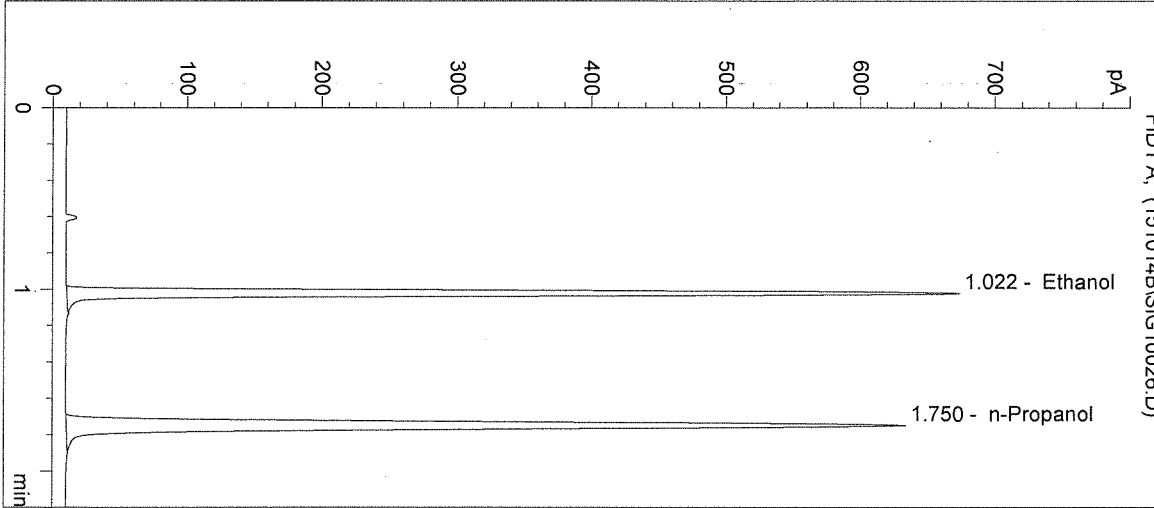
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 2:29:14 PM
 Instrument: HSGC#3
 Column: DB-ALC2

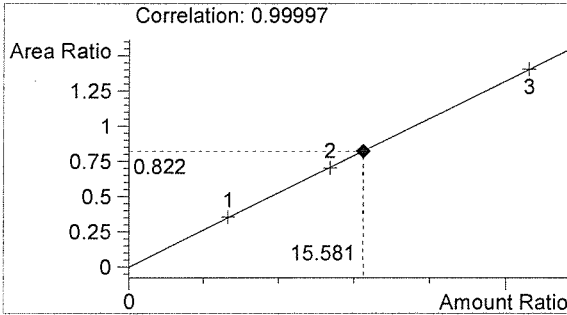
Sample Name: QAP0.15 15046 #3
 Operator: Brittany Thomas
 Location: Vial 26

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

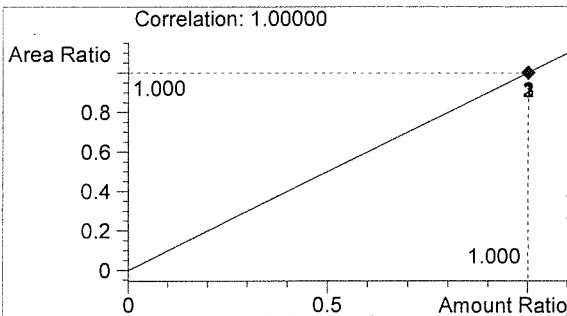
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1393	1.022
2	n-Propanol	1693	1.750



Ethanol 0.187 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: 10/14/2015 2:32:28 PM

Sample Name: QAP0.15 15046 #4

Instrument: HSGC#3

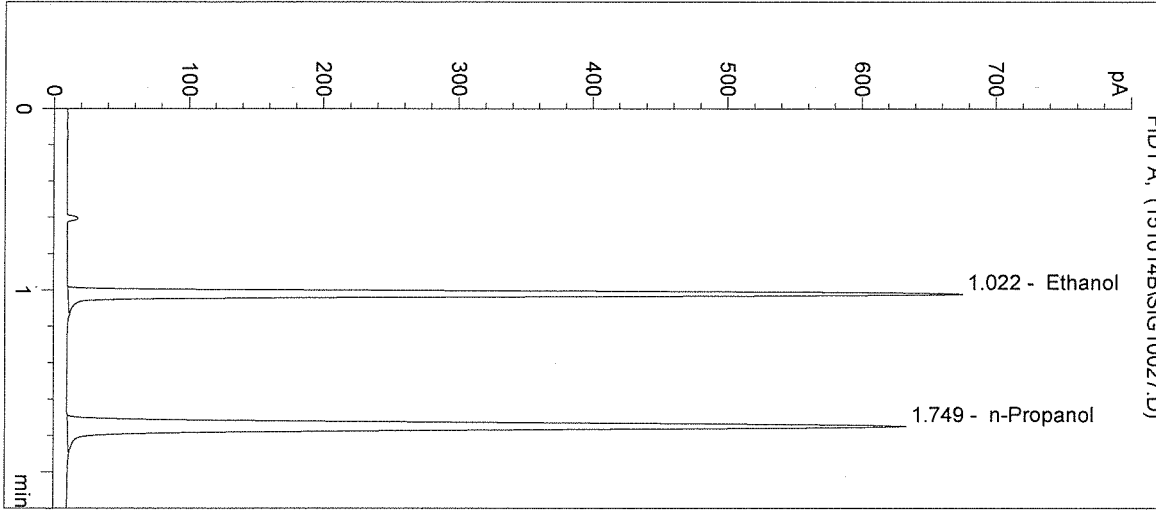
Operator: Brittany Thomas

Column: DB-ALC2

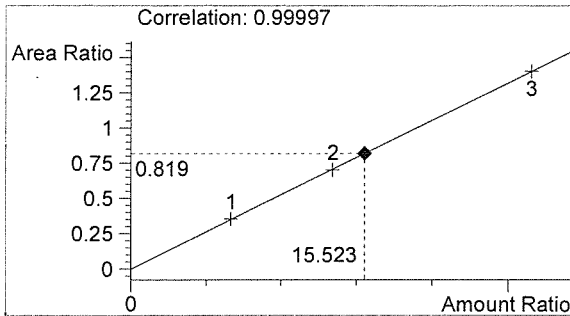
Location: Vial 27

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

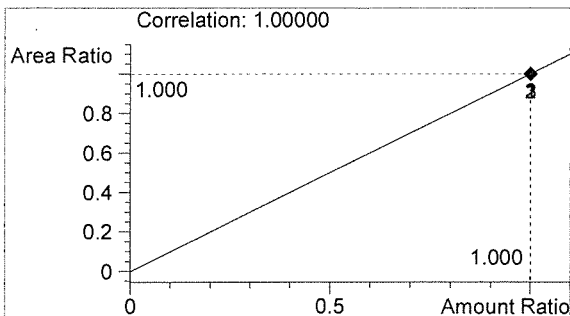
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1383	1.022
2	n-Propanol	1688	1.749



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

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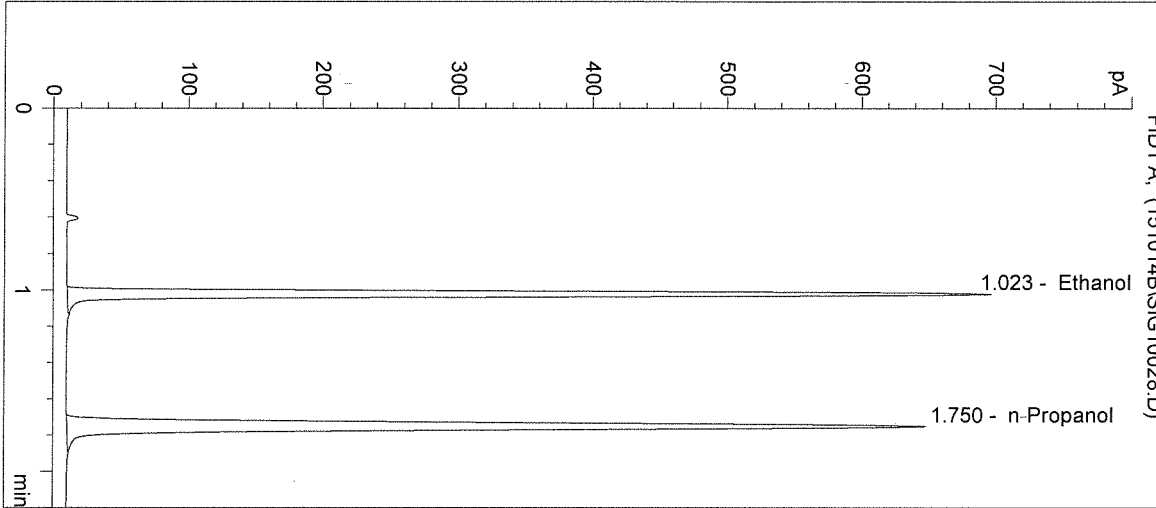
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 2:35:40 PM
 Instrument: HSGC#3
 Column: DB-ALC2

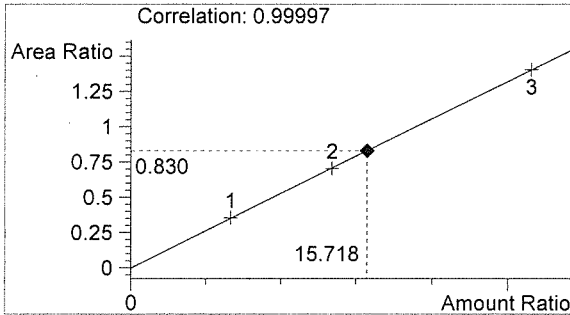
Sample Name: QAP0.15 15046 #5
 Operator: Brittany Thomas
 Location: Vial 28

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

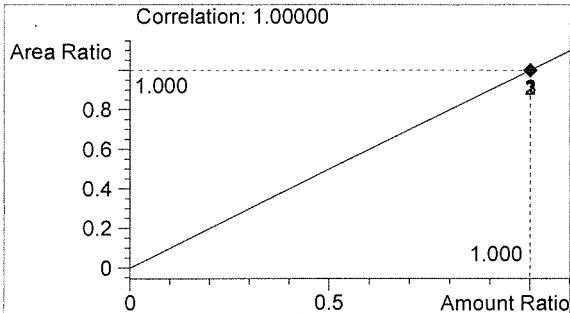
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1434	1.023
2	n-Propanol	1728	1.750



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

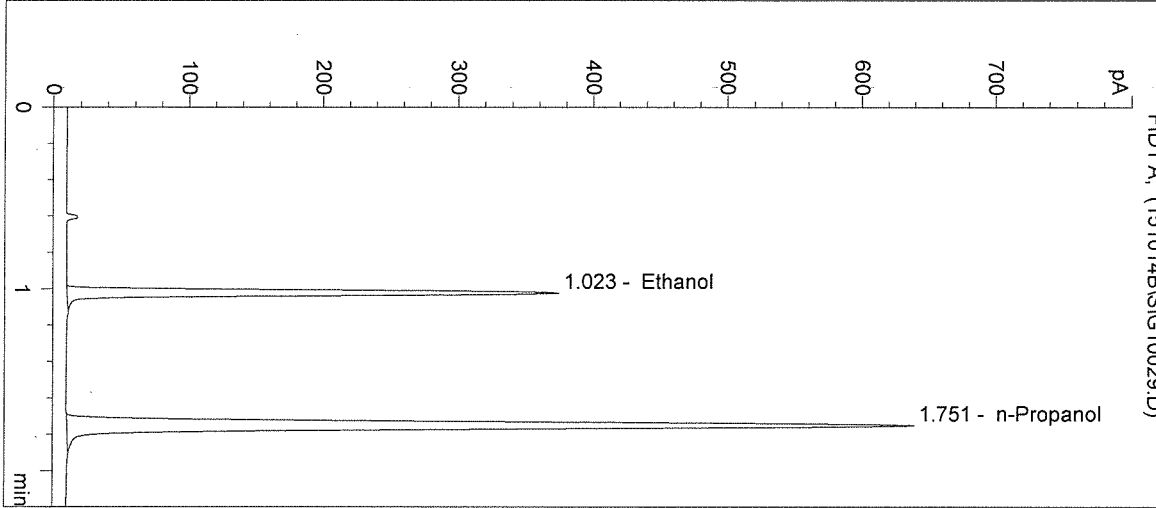
BT

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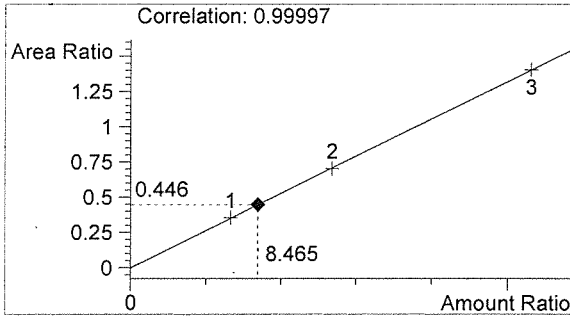
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 2:38:54 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15046

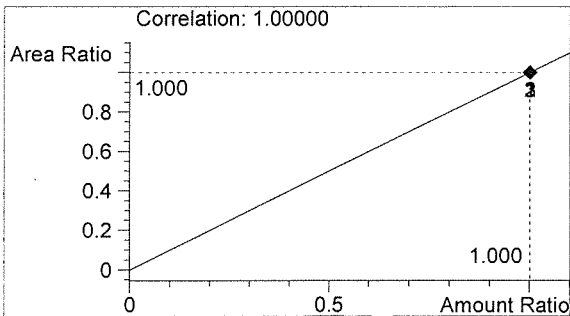
Sample Name: 0.10 CTRL-BT
Operator: Brittany Thomas
Location: Vial 29



#	Compound	Peak Area	RT (min)
1	Ethanol	763	1.023
2	n-Propanol	1708	1.751



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

BT

BT

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

Inj. Date: 10/14/2015 2:42:07 PM

Sample Name: NEG CTRL-BT

Instrument: HSGC#3

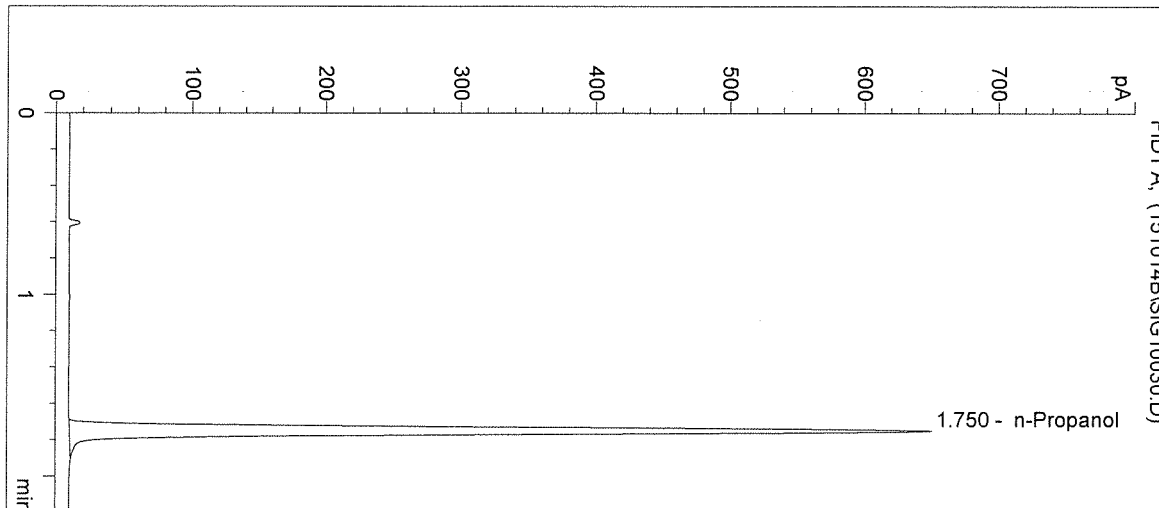
Operator: Brittany Thomas

Column: DB-ALC2

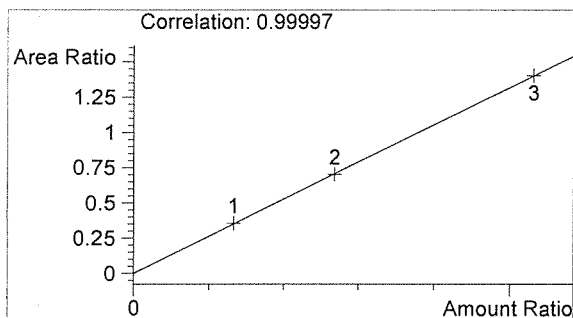
Location: Vial 30

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

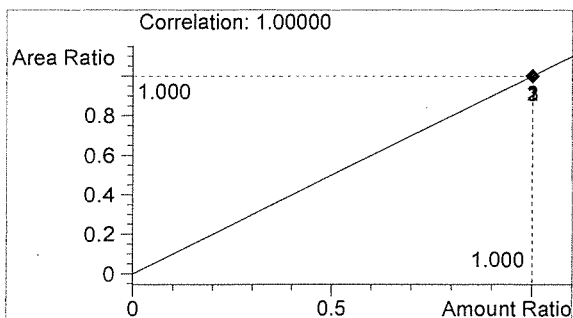
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1737	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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BT

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: 151021L2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

0.079 Cal 1 E0615-01 exp 12/02/2015
 0.158 Cal 2 E0615-02 exp 12/02/2015
 0.316 Cal 3 E0615-03 exp 12/02/2015

 0.04 CTRL 1 FN05011301 exp 05/2018
 0.10 CTRL 2 FN08051301 exp 10/2018
 0.20 CTRL 3 FN03211401 exp 06/2019

 ISTD P0915 exp 12/18/2015

 Calibration filed in batch 15046

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	15046 #1	SIMALC3	1	Sample		
11	Vial 11	15046 #2	SIMALC3	1	Sample		
12	Vial 12	15046 #3	SIMALC3	1	Sample		
13	Vial 13	15046 #4	SIMALC3	1	Sample		
14	Vial 14	15046 #5	SIMALC3	1	Sample		
15	Vial 15	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15047 #1	SIMALC3	1	Sample		
18	Vial 18	15047 #2	SIMALC3	1	Sample		
19	Vial 19	15047 #3	SIMALC3	1	Sample		
20	Vial 20	15047 #4	SIMALC3	1	Sample		
21	Vial 21	15047 #5	SIMALC3	1	Sample		
22	Vial 22	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		

15046

12/21/15

W

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!

15046

Lnic/2/15

w

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Calibration Table
=====

Calib. Data Modified : Wednesday, October 21, 2015 12:30:52 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000

Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.022	1 1	7.97800e-2	576.47992	1.38392e-4	1 Ethanol
		1.60980e-1	1143.31213	1.40801e-4	
		3.18440e-1	2276.90894	1.39856e-4	
1.749	1 1	1.20000e-2	1647.84558	7.28224e-6	I1 n-Propanol
		1.20000e-2	1640.97131	7.31274e-6	
		1.20000e-2	1624.39099	7.38738e-6	

15046

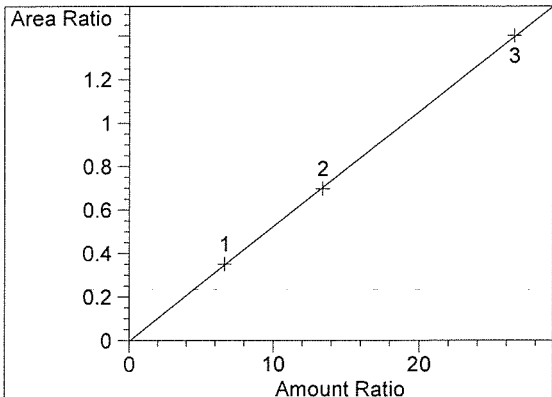
Propanol

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

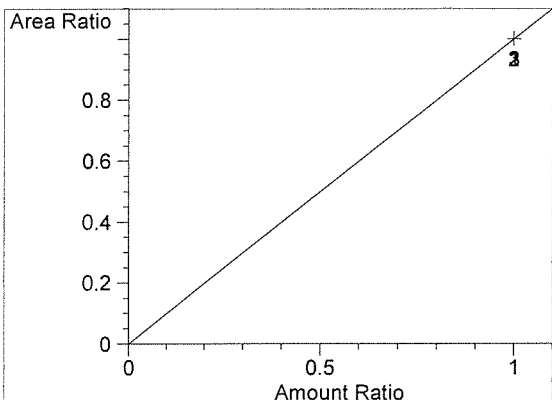
No Entries in table
=====

M

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



Ethanol at exp. RT: 1.022
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00702
Formula: $y = mx + b$
m: 5.27842e-2
b: -2.86942e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.749
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

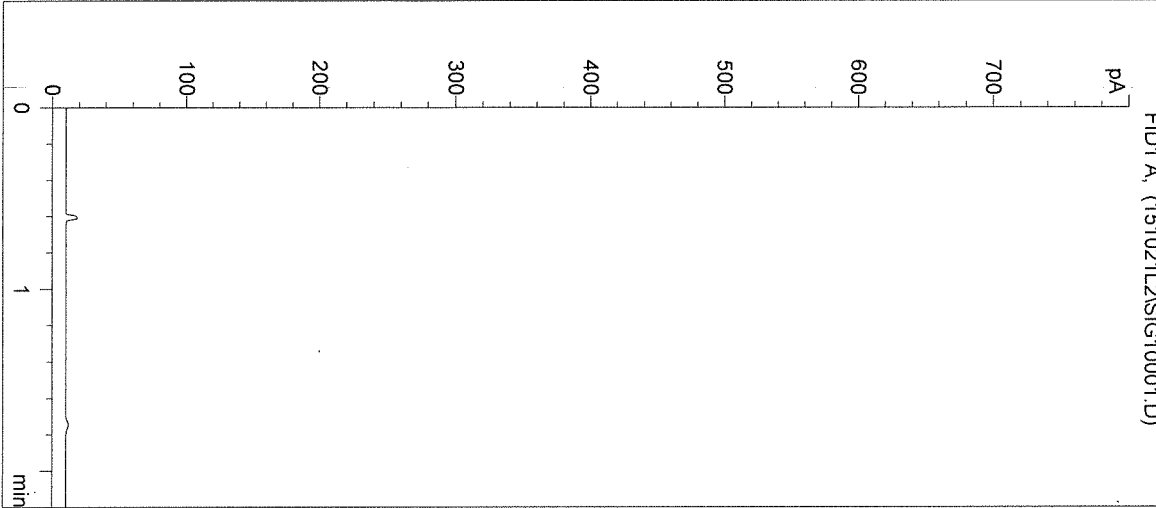
=====
15046

Initials

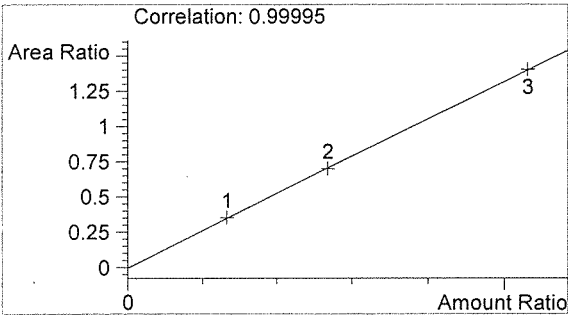
W

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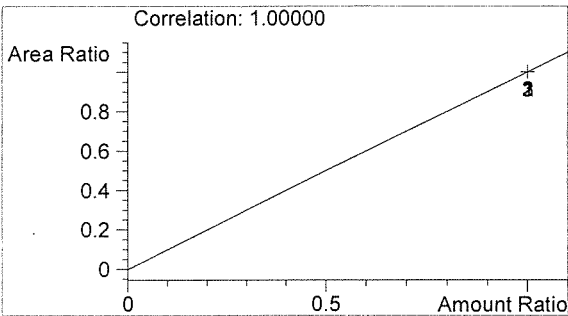
Inj. Date: 10/21/2015 12:18:47 PM Sample Name: Blank
Instrument: HSGC#3 Operator: Lyndsey Lowe
Column: DB-ALC2 Location: Vial 1
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15046



#	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

fr

w

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

Inj. Date: 10/21/2015 12:22:05 PM

Sample Name: Cal 1 0.079

Instrument: HSGC#3

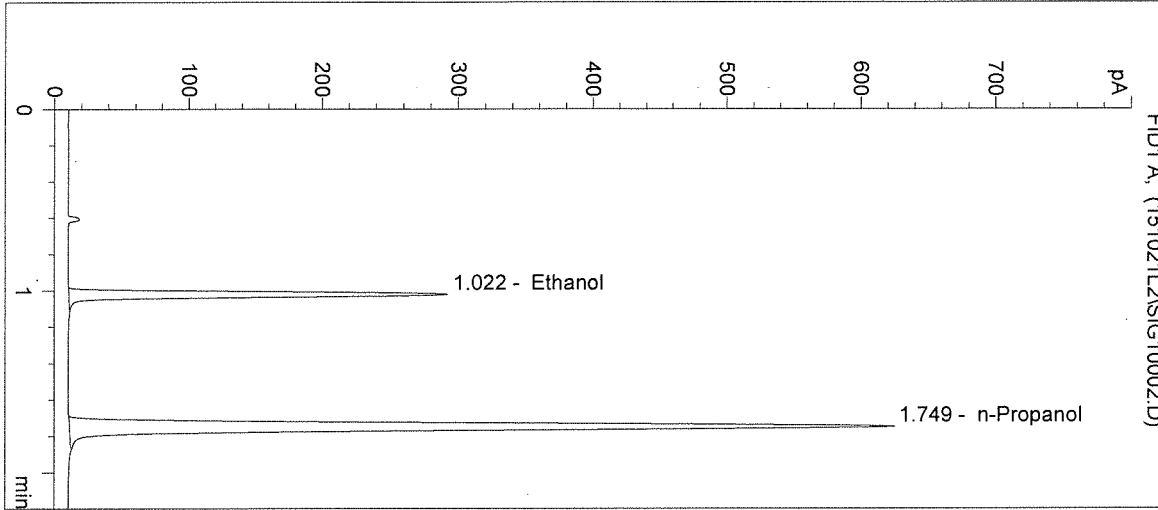
Operator: Lyndsey Lowe

Column: DB-ALC2

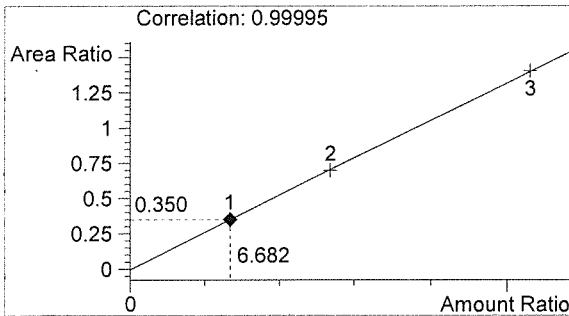
Location: Vial 2

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

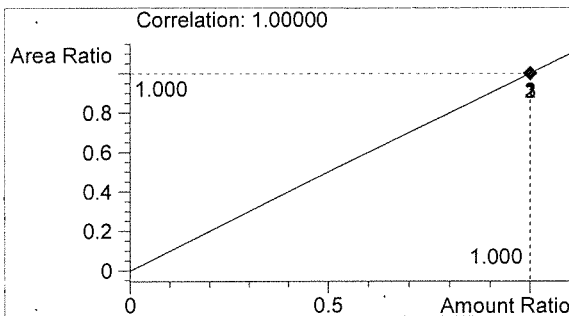
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	576	1.022
2	n-Propanol	1648	1.749



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: 10/21/2015 12:25:22 PM

Sample Name: Cal 2 0.158

Instrument: HSGC#3

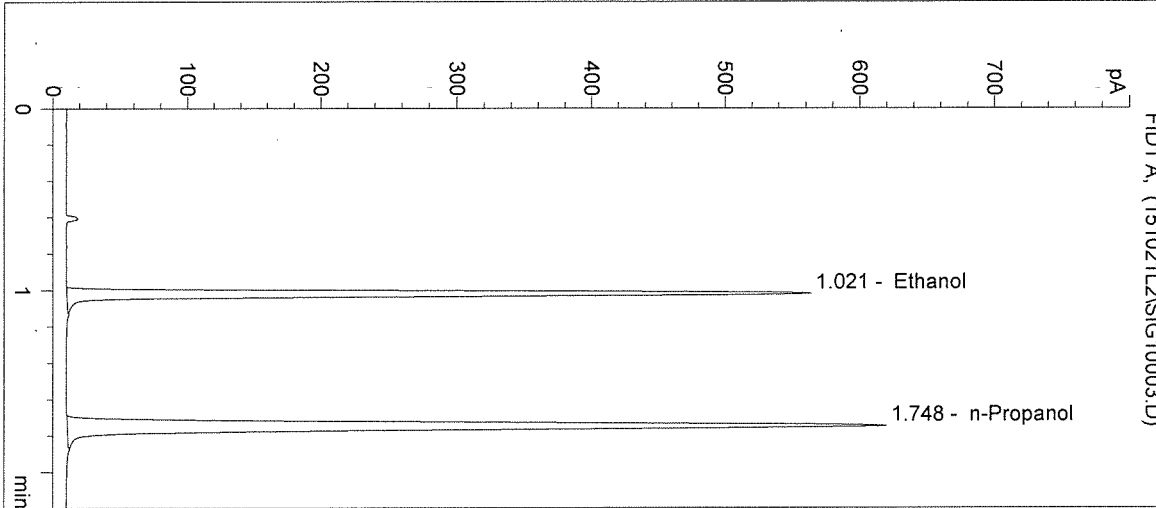
Operator: Lyndsey Lowe

Column: DB-ALC2

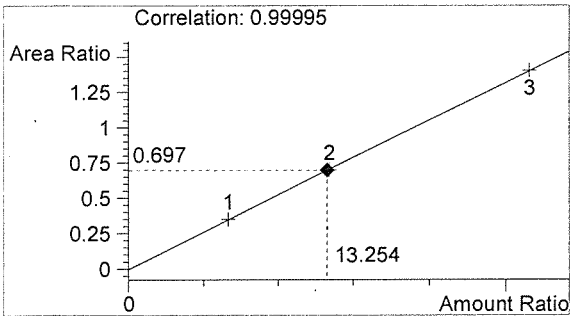
Location: Vial 3

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

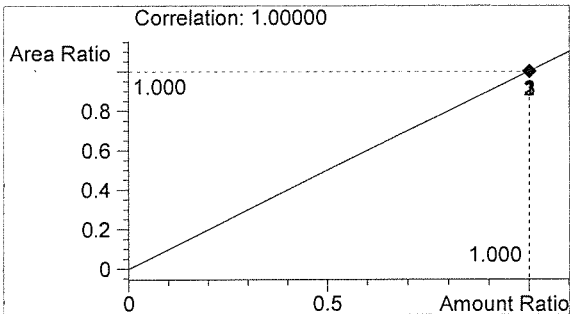
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	1143	1.021
2	n-Propanol	1641	1.748



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/21/2015 12:28:40 PM

Sample Name: Cal 3 0.316

Instrument: HSGC#3

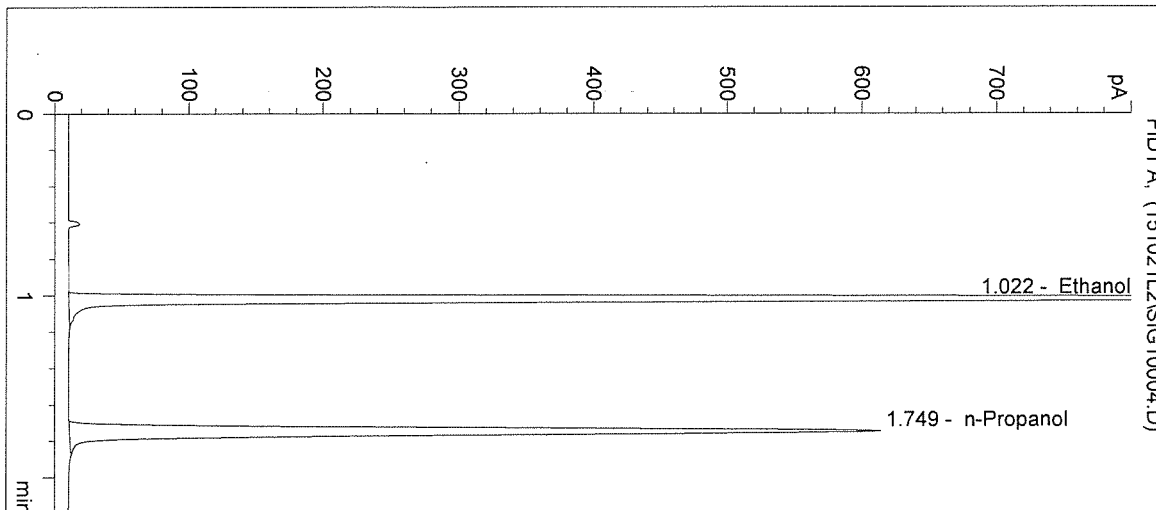
Operator: Lyndsey Lowe

Column: DB-ALC2

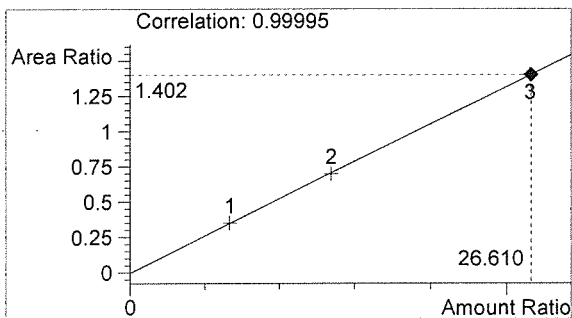
Location: Vial 4

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

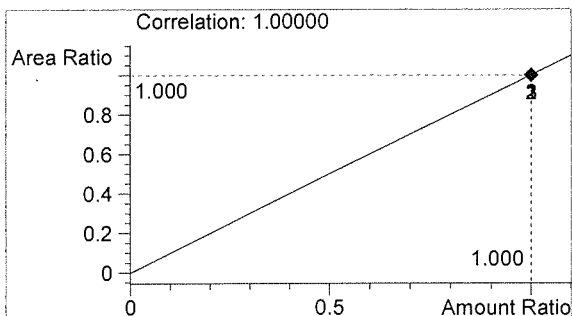
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	2277	1.022
2	n-Propanol	1624	1.749



Ethanol 0.319 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: 10/21/2015 12:31:53 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

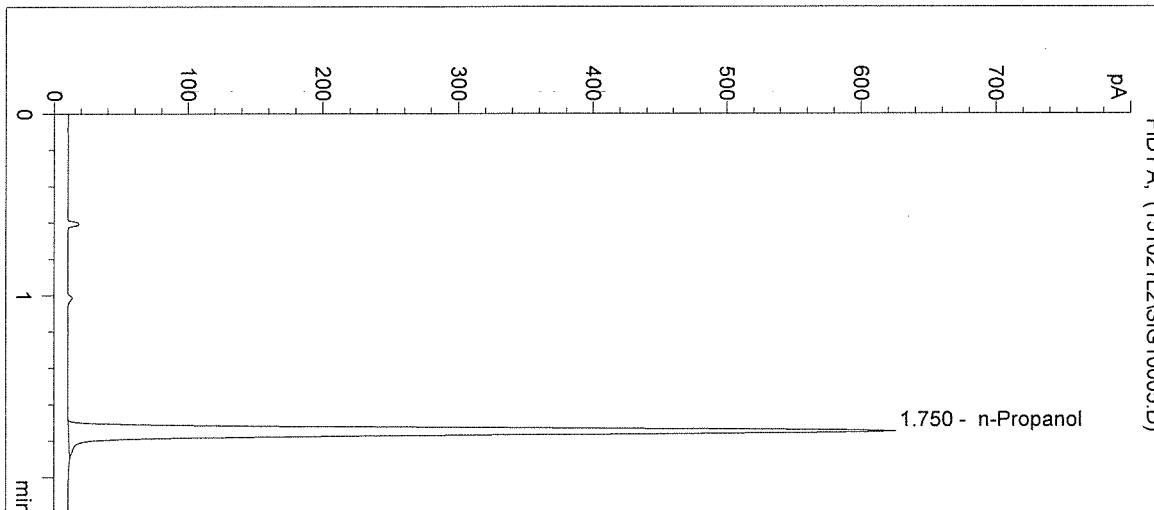
Operator: Lyndsey Lowe

Column: DB-ALC2

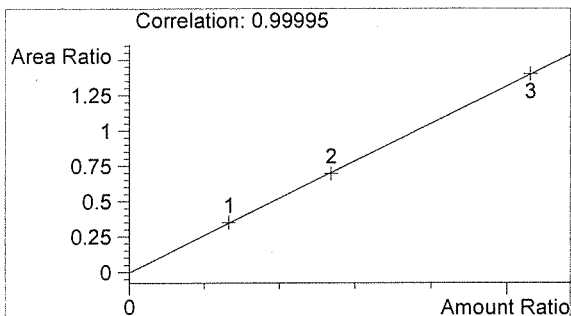
Location: Vial 5

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

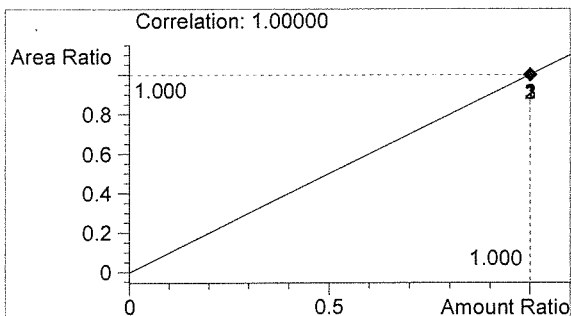
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1661	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

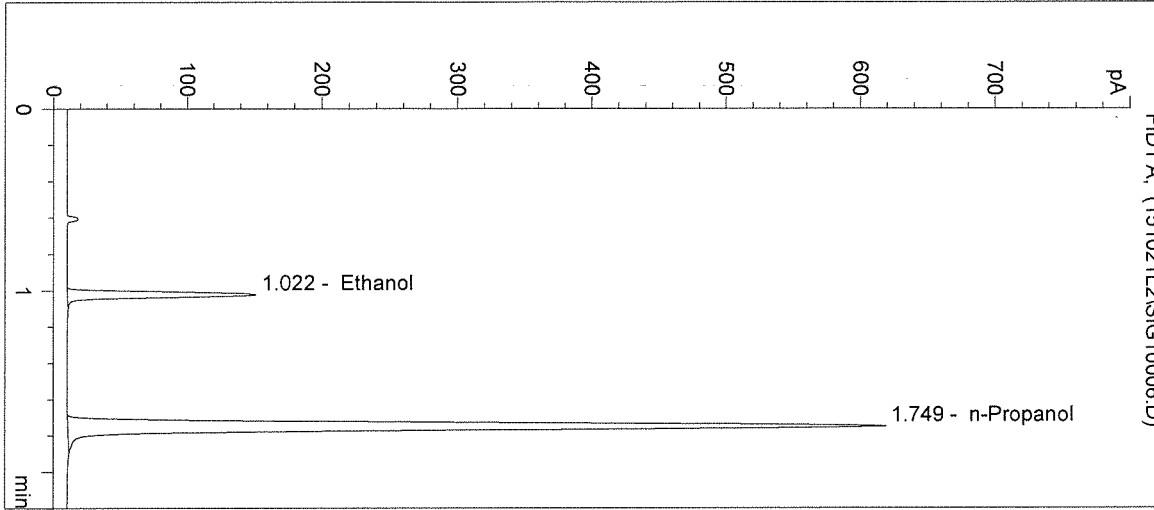
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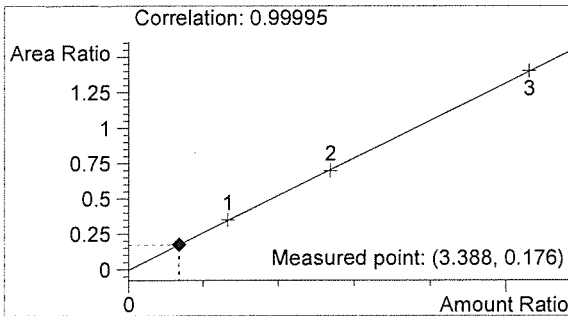
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/21/2015 12:35:06 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15046

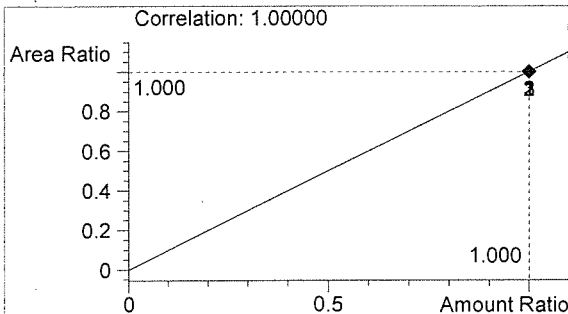
Sample Name: CTRL 1- 0.04
 Operator: Lyndsey Lowe
 Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	290	1.022
2	n-Propanol	1647	1.749



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/21/2015 12:38:20 PM

Sample Name: CTRL 2- 0.10

Instrument: HSGC#3

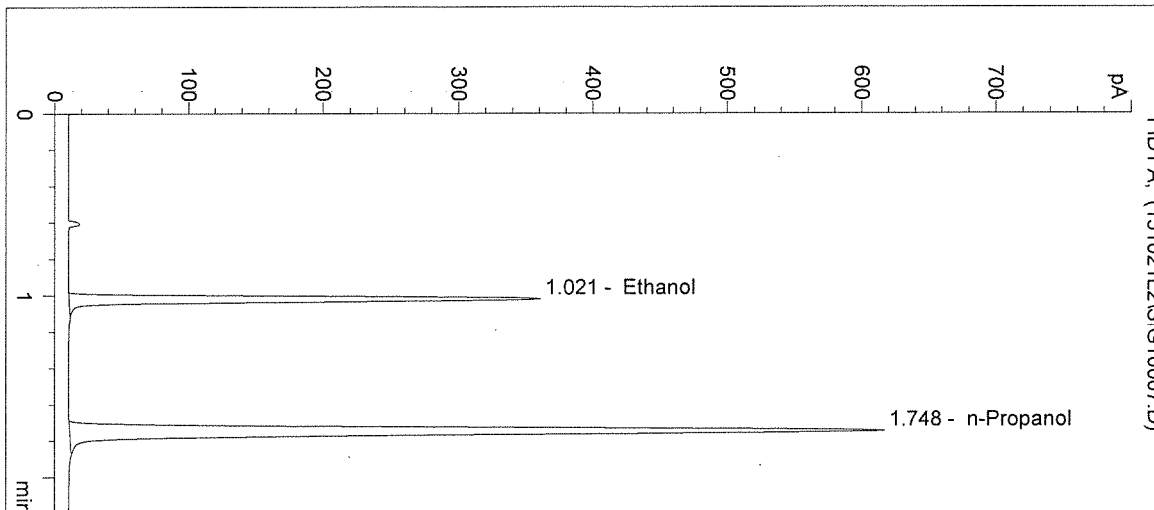
Operator: Lyndsey Lowe

Column: DB-ALC2

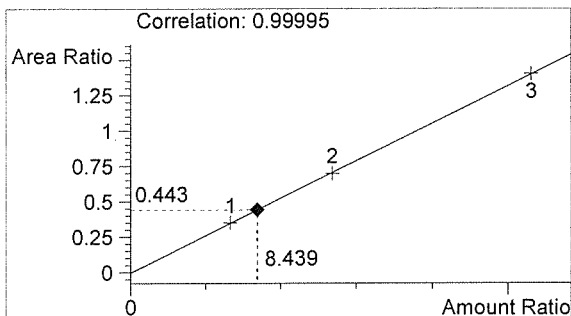
Location: Vial 7

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

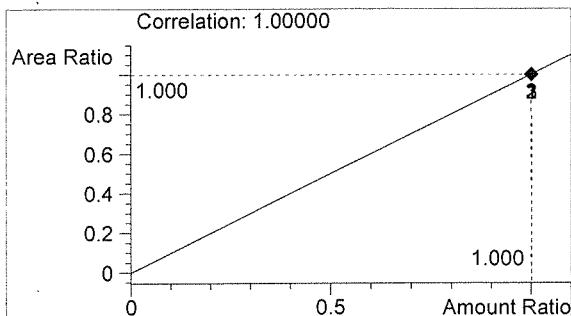
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	723	1.021
2	n-Propanol	1634	1.748



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/21/2015 12:41:33 PM

Sample Name: CTRL 3- 0.20

Instrument: HSGC#3

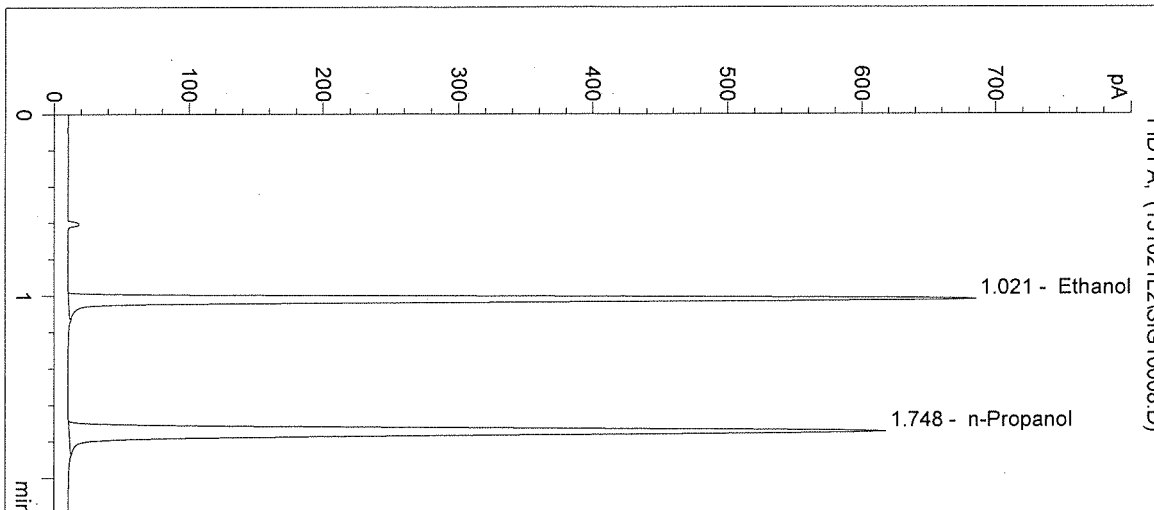
Operator: Lyndsey Lowe

Column: DB-ALC2

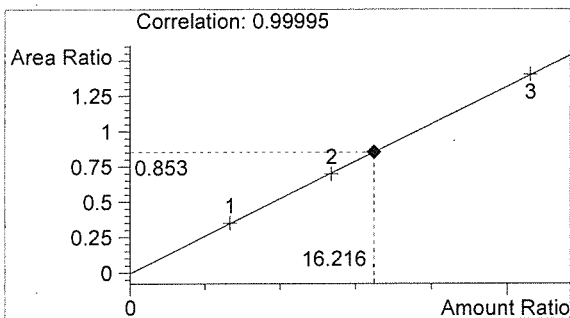
Location: Vial 8

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

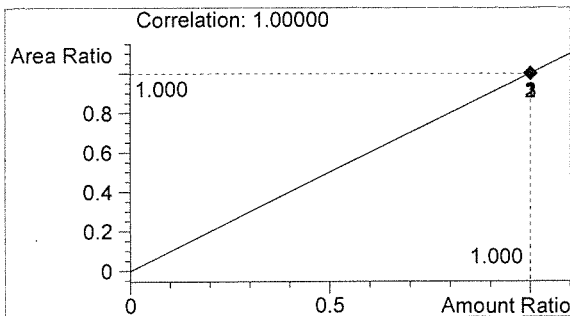
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	1394	1.021
2	n-Propanol	1634	1.748



Ethanol 0.195 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: 10/21/2015 12:44:47 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

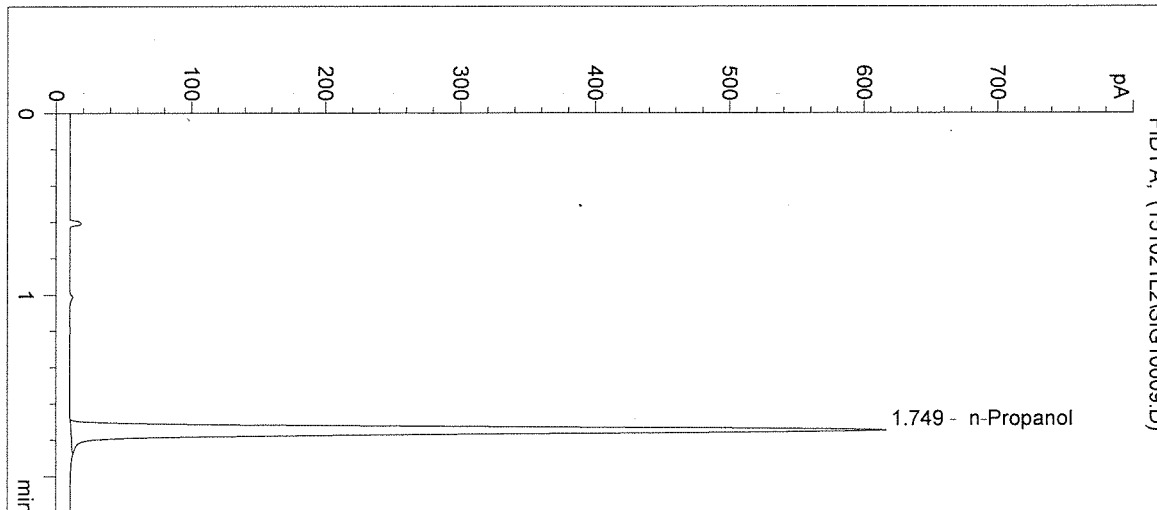
Operator: Lyndsey Lowe

Column: DB-ALC2

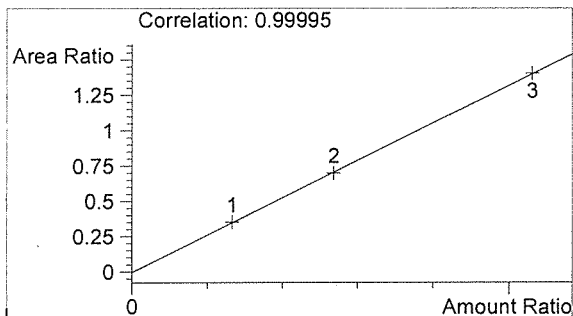
Location: Vial 9

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

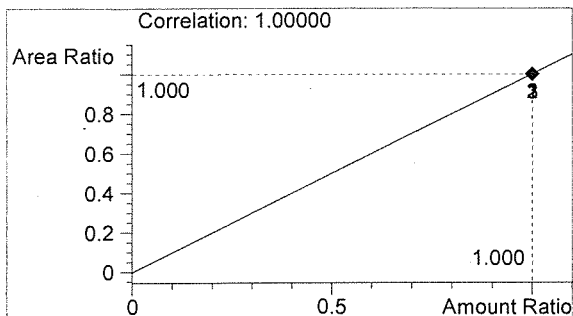
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1633	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/21/2015 12:48:00 PM

Sample Name: 15046 #1

Instrument: HSGC#3

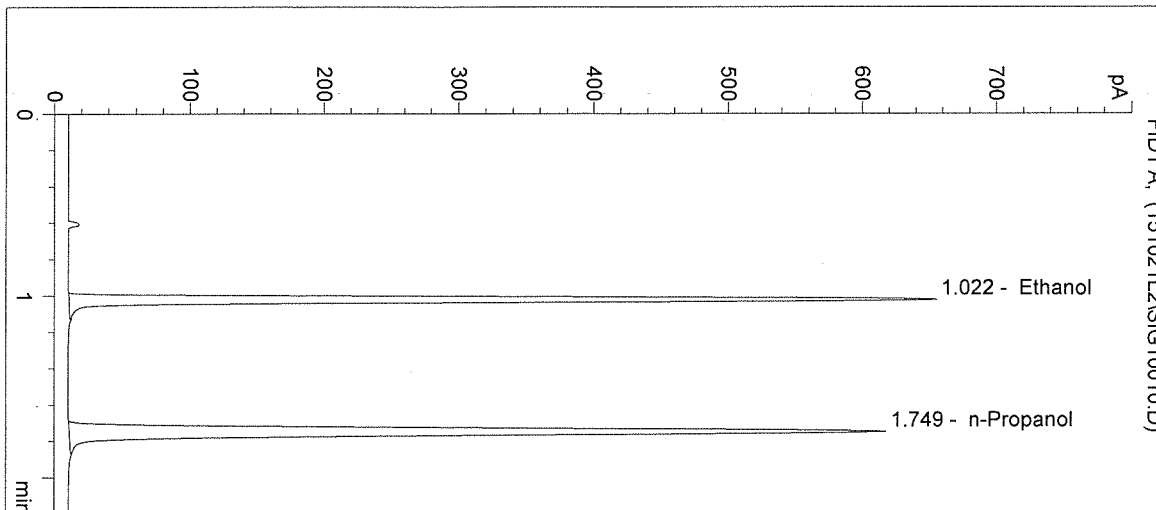
Operator: Lyndsey Lowe

Column: DB-ALC2

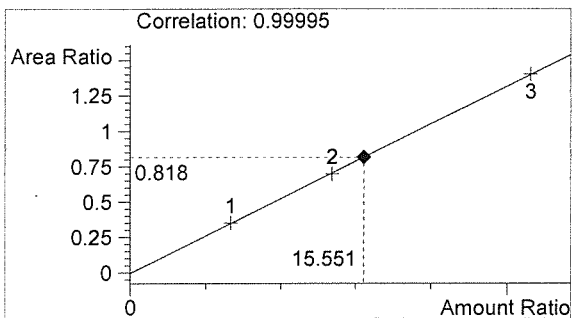
Location: Vial 10

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

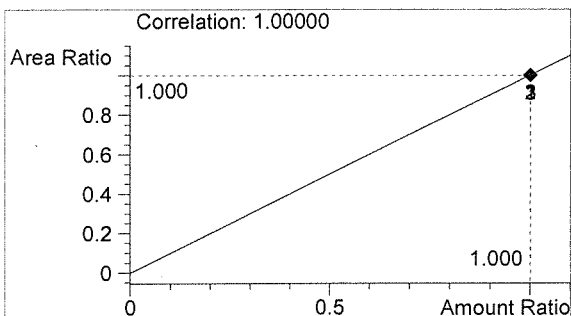
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1339	1.022
2	n-Propanol	1637	1.749



Ethanol 0.187 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: 10/21/2015 12:51:13 PM

Sample Name: 15046 #2

Instrument: HSGC#3

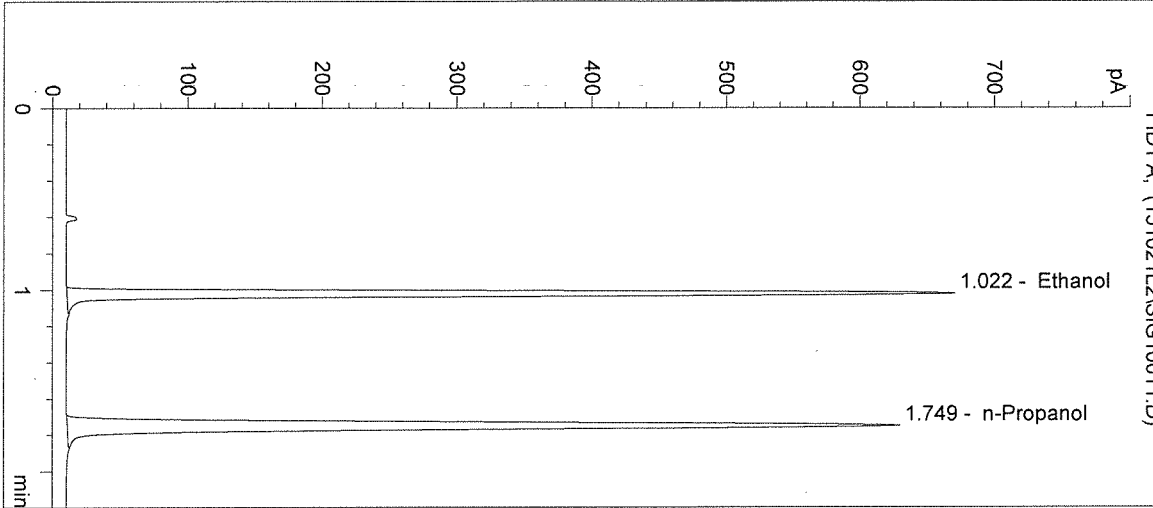
Operator: Lyndsey Lowe

Column: DB-ALC2

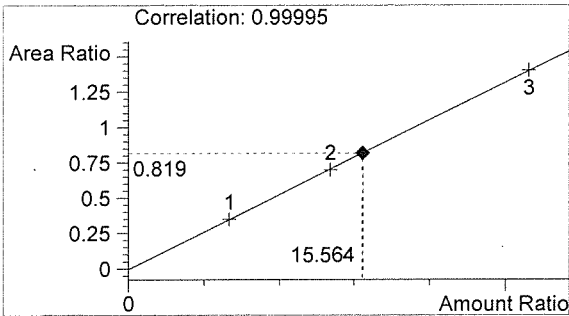
Location: Vial 11

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

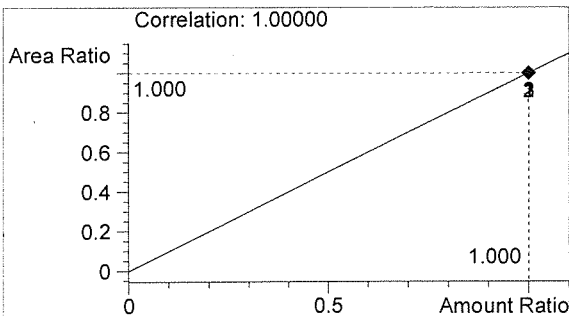
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1364	1.022
2	n-Propanol	1667	1.749



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

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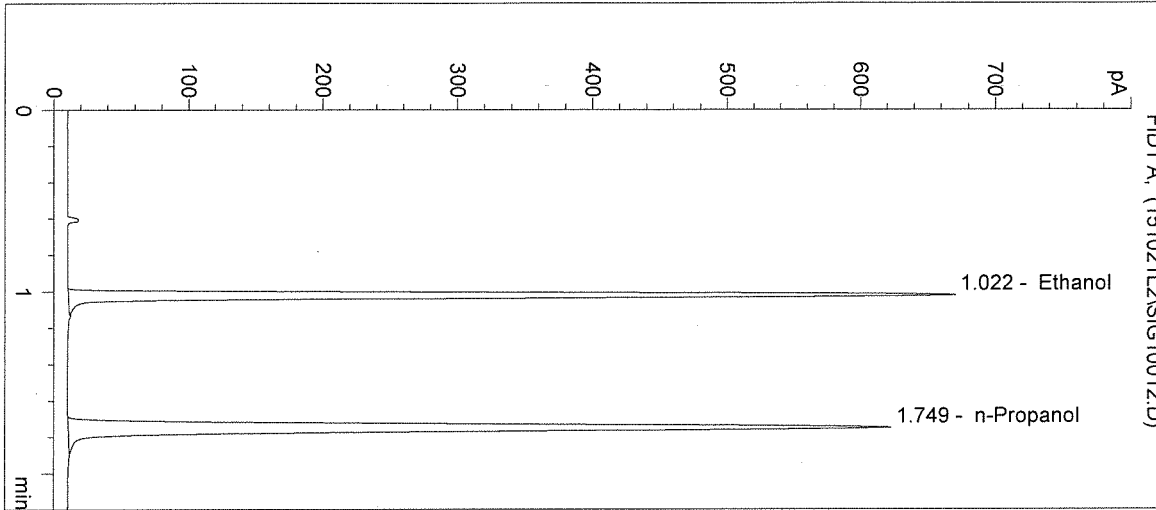
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 2203 Airport Way S Seattle, WA 98134

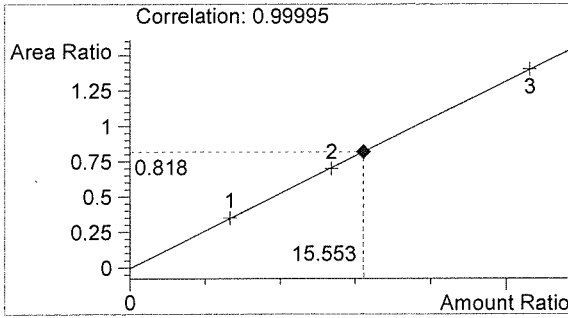
Inj. Date: 10/21/2015 12:54:27 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 15046 #3
 Operator: Lyndsey Lowe
 Location: Vial 12

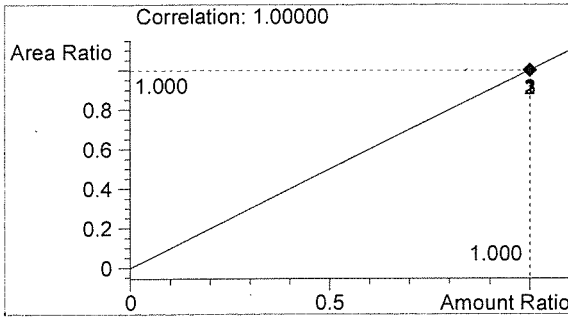
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1353	1.022
2	n-Propanol	1653	1.749



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

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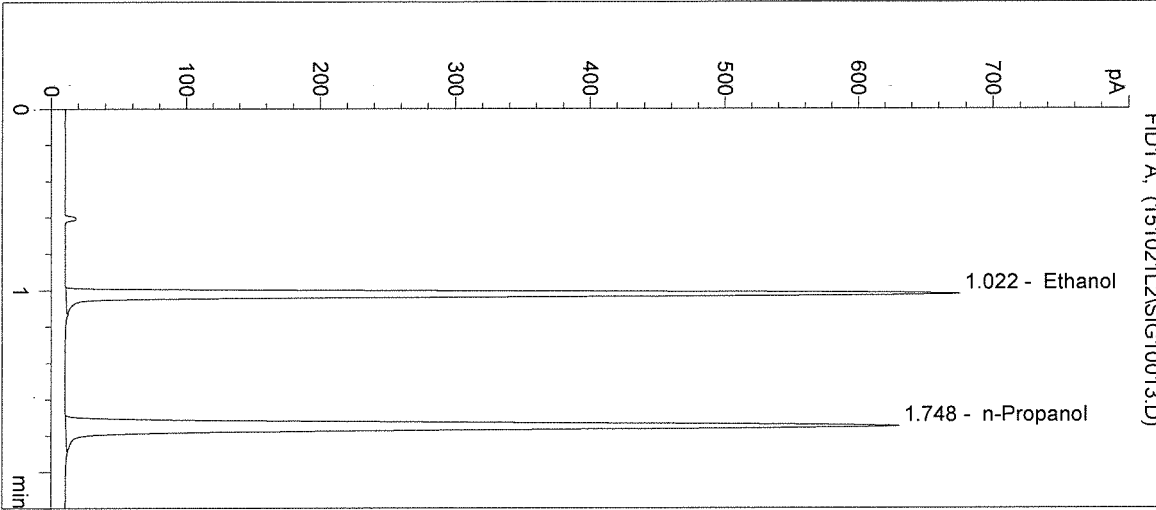
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/21/2015 12:57:40 PM
Instrument: HSGC#3
Column: DB-ALC2

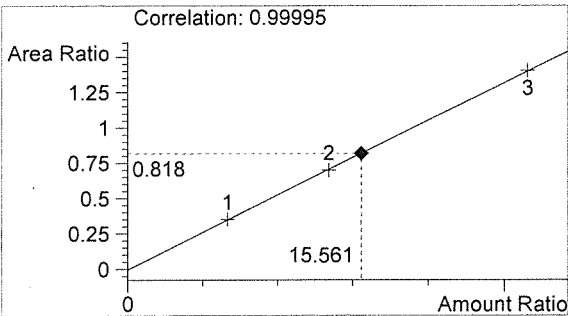
Sample Name: 15046 #4
Operator: Lyndsey Lowe
Location: Vial 13

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

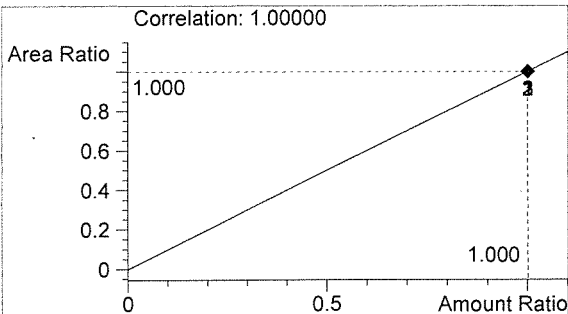
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1370	1.022
2	n-Propanol	1673	1.748



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/21/2015 1:00:54 PM

Sample Name: 15046 #5

Instrument: HSGC#3

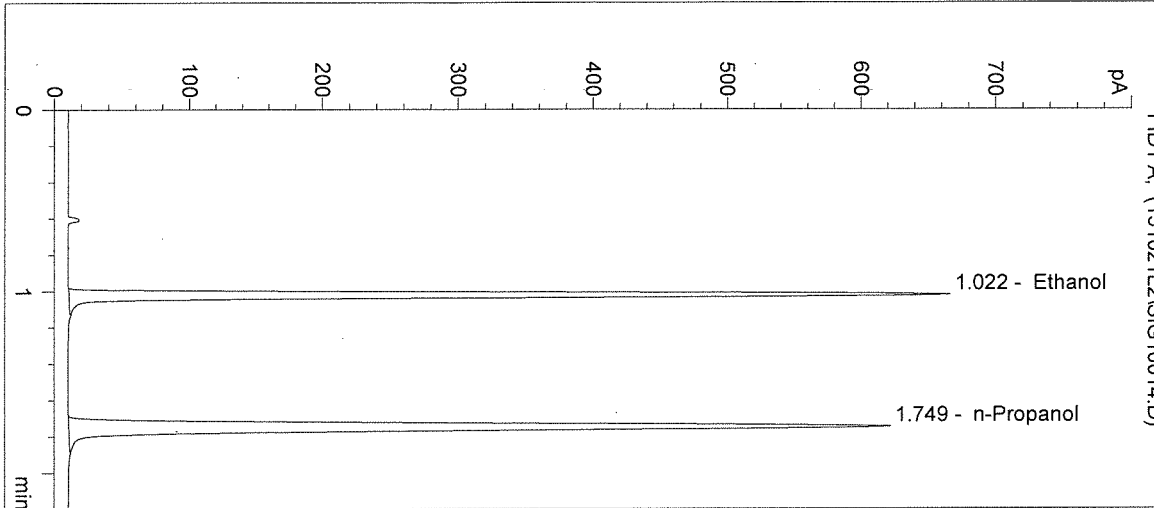
Operator: Lyndsey Lowe

Column: DB-ALC2

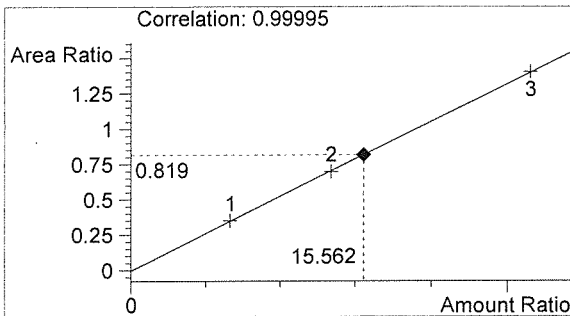
Location: Vial 14

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

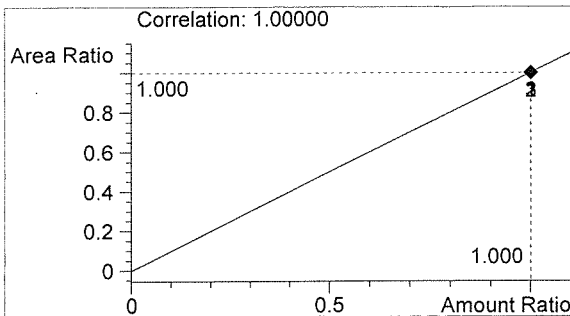
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1349	1.022
2	n-Propanol	1648	1.749



Ethanol 0.187 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: 10/21/2015 1:04:07 PM

Sample Name: CTRL 2- 0.10

Instrument: HSGC#3

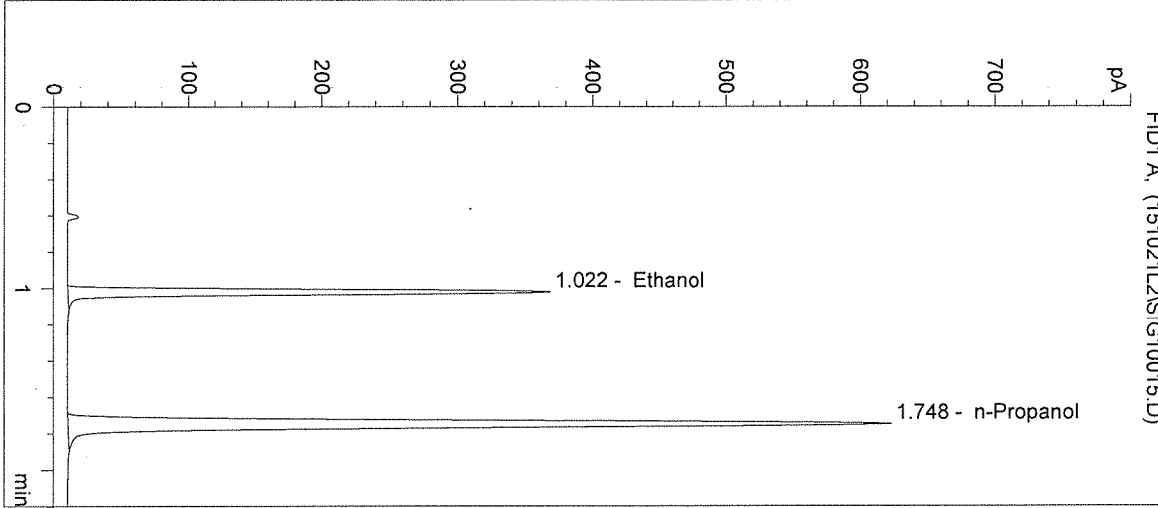
Operator: Lyndsey Lowe

Column: DB-ALC2

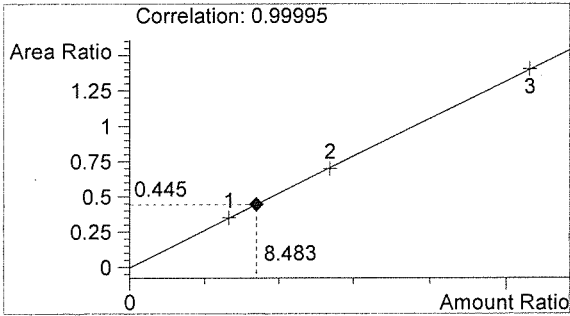
Location: Vial 15

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

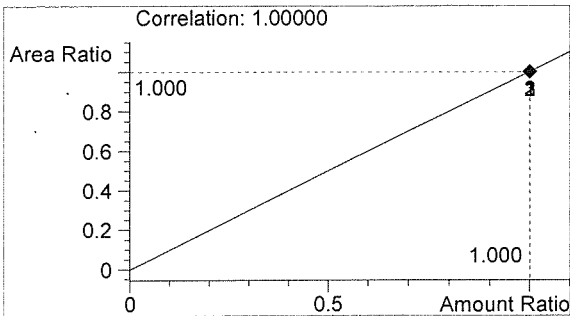
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	734	1.022
2	n-Propanol	1651	1.748



Ethanol 0.102 g/100mL



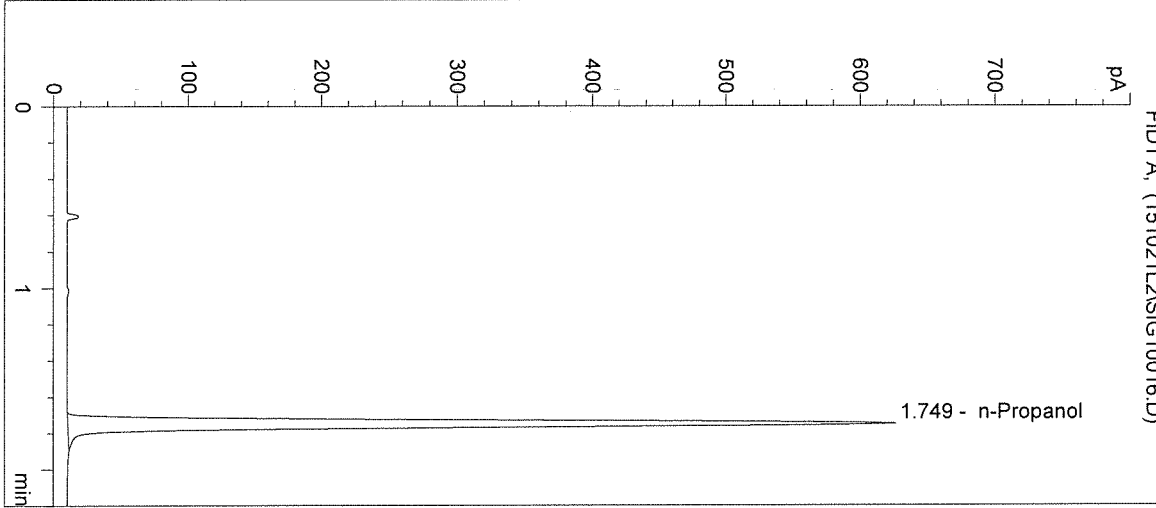
n-Propanol 0.012 g/100mL

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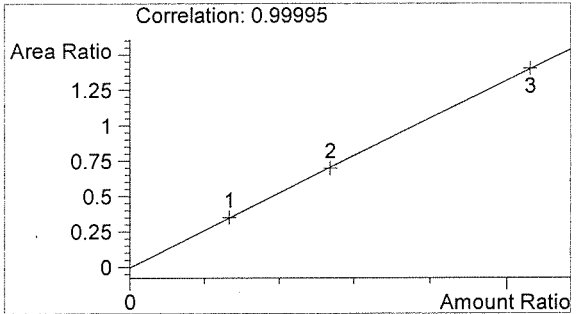
W

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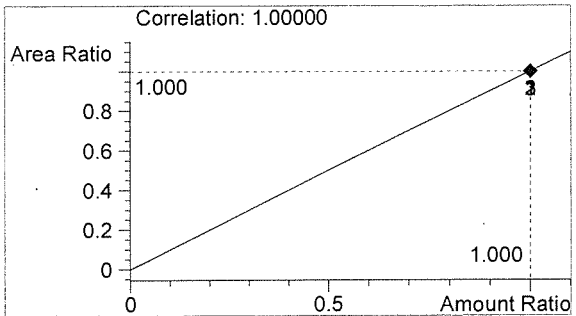
Inj. Date: 10/21/2015 1:07:20 PM Sample Name: NEG CTRL
Instrument: HSGC#3 Operator: Lyndsey Lowe
Column: DB-ALC2 Location: Vial 16
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15046



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1662	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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