



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15044

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 10/12/2015
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	BT	LL
1	0.098	0.099	0.099
2	0.101	0.098	0.098
3	0.098	0.098	0.099
4	0.098	0.098	0.098
5	0.099	0.098	0.099
C	0.101	0.103	0.098

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0985 g/100mL PRECISION CV (%): 0.85
STANDARD DEVIATION: 0.00083 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.0801 g/210L
EXPANDED UNCERTAINTY: ± 0.0028 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble

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	<i>Asa J. Louis</i>	10/12/2015
BT	Brittany Thomas	<i>Brittany Thomas</i>	10/14/2015
LL	Lyndsey Lowe	<i>Lyndsey Lowe</i>	10/20/2015

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 #: 15044

Date Prepared: 10/12/2015

Analyst:	AL	BT	LL
Date Tested:	10/12/2015	10/14/2015	10/20/2015
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.098	0.099	0.099
2	0.101	0.098	0.098
3	0.098	0.098	0.099
4	0.098	0.098	0.098
5	0.099	0.098	0.099
C	0.101	0.103	0.098

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000047739	0.0002083242	0.0001016326

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

Average Solution Concentration: 0.0985 g/100mL
 Standard Deviation: 0.00083 g/100mL
 Precision CV (%): 0.85
 Equivalent Vapor Concentration: 0.0801 g/210L
 Combined Standard Uncertainty (\pm): 0.0014 g/210L
 Expanded Uncertainty (\pm): 0.0028 coverage factor (k) = 2 (95.45% level of confidence)

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

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

Method: Hand calculation

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

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

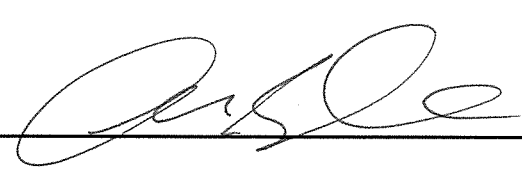
Reviewer/s: Amanda M. Black Date: 11-4-15

Location: WSP-FLSB Seattle, WA Solution Batch Number: 15044

	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	20.10.28
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 # 15044 for 10/27/15

Handwritten signature

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15044**

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 15044, 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

 20151028

Asa J. Louis
Forensic Scientist

Date

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15044**

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 15044, 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

Handwritten signature of Brittany Thomas in cursive, dated 10/24/15.

Brittany Thomas

Date

Forensic Scientist

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15044**

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 15044, 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: AL

Lot # of 200-proof Ethanol used in preparation: 2DC0208

Date the 200-proof Ethanol bottle was opened: 20150910

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>15043</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>15044</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>15045</u>
QAP 0.15	42.1	18	<input type="checkbox"/>	_____
QAP 0.20	56.1	18	<input type="checkbox"/>	_____
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

AL
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: 15043 out of range - to be destroyed

AL
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 Jan 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		

15044
 Jan 10/27/15

AK

Sequence: 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!

15044

fr 10/21/15

A

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Calibration Table
=====

Calib. Data Modified : Monday, October 12, 2015 1:17:39 PM

Calculate : Internal Standard
Based on : Peak Area

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

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.023	1 1	7.97800e-2	579.43298	1.37686e-4	1 Ethanol
		1.60980e-1	1305.74951	1.23286e-4	
		3.18440e-1	2479.48950	1.28430e-4	
1.751	1 1	1.20000e-2	1658.35828	7.23607e-6	I1 n-Propanol
		1.20000e-2	1830.49988	6.55559e-6	
		1.20000e-2	1744.41162	6.87911e-6	

15044

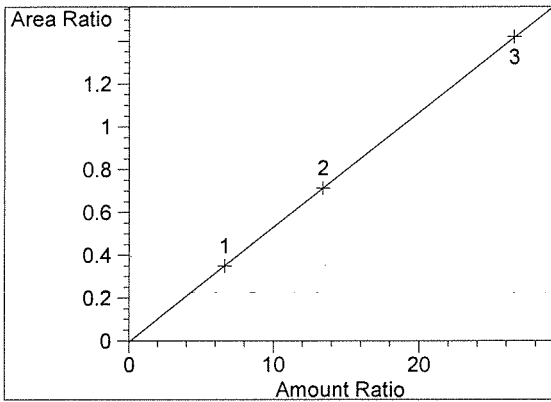
On 10/27/15

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

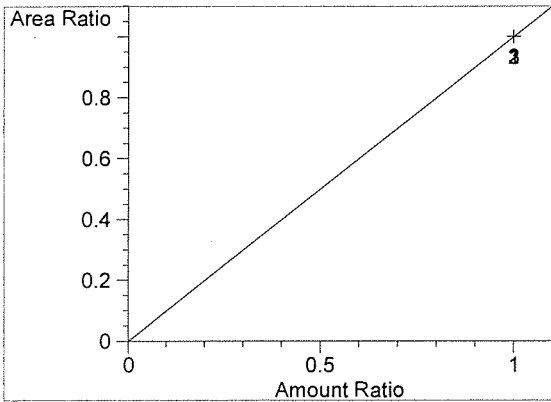
No Entries in table
=====

AS

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



Ethanol at exp. RT: 1.023
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00419
Formula: $y = mx + b$
m: 5.36263e-2
b: -3.71658e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.751
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

15044

10/12/15

M

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

Inj. Date: 10/12/2015 1:05:35 PM
 Instrument: HSGC#3

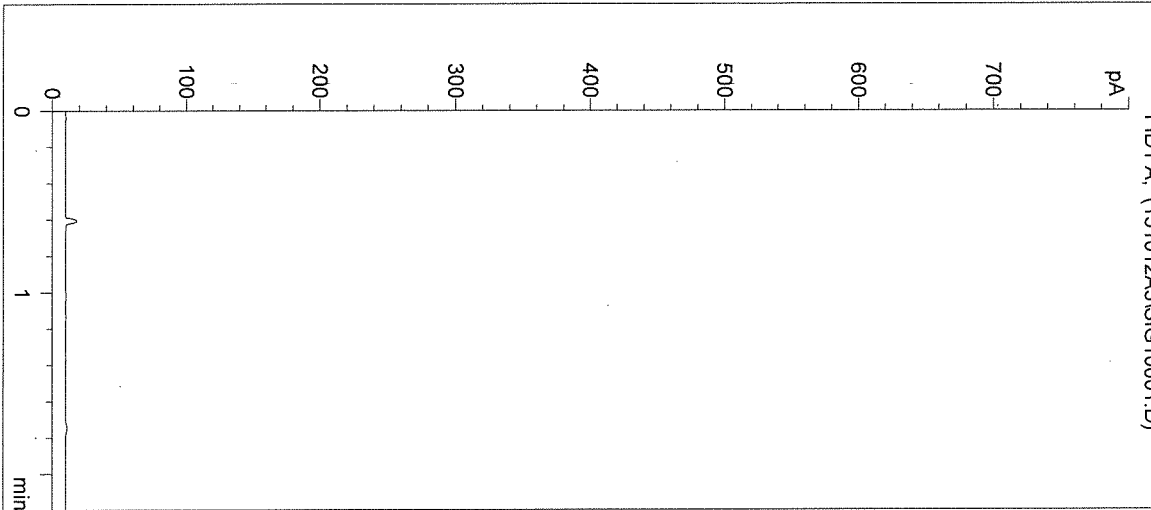
Sample Name: blank
 Operator: asa louis
 Location: Vial 1

Column: DB-ALC2

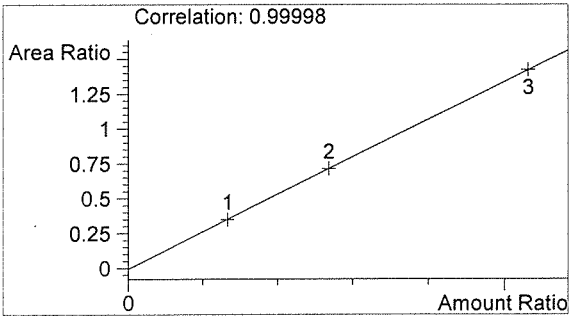
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: qap 15048

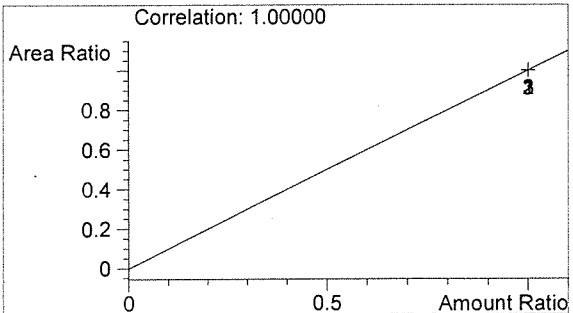
4 10/27/15



#	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

asa

asa

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

Inj. Date: 10/12/2015 1:08:52 PM

Sample Name: 0.079 cal 1

Instrument: HSGC#3

Operator: asa louis

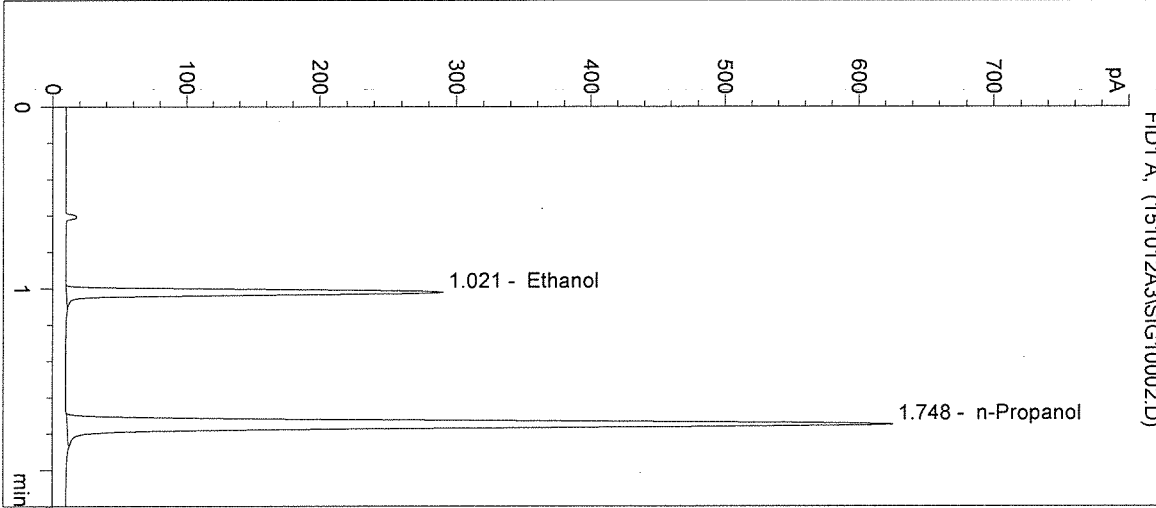
Column: DB-ALC2

Location: Vial 2

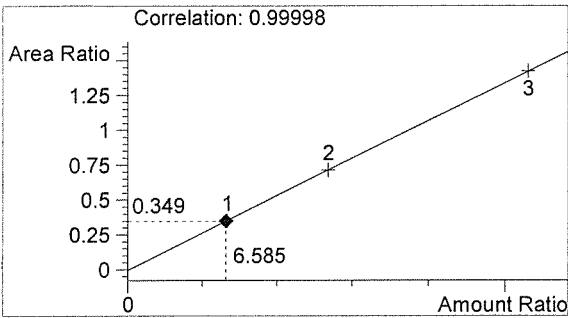
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: gap 15042

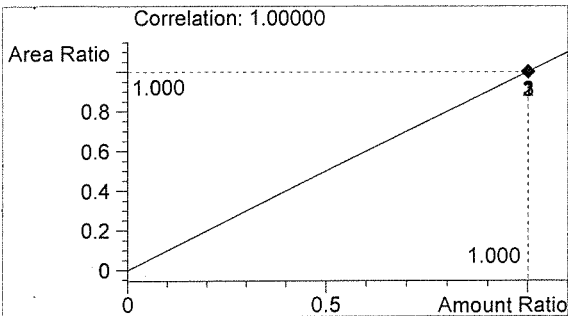
4 frobolic



#	Compound	Peak Area	RT (min)
1	Ethanol	579	1.021
2	n-Propanol	1658	1.748



Ethanol 0.079 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/12/2015 1:12:09 PM

Sample Name: 0.158 cal 2

Instrument: HSGC#3

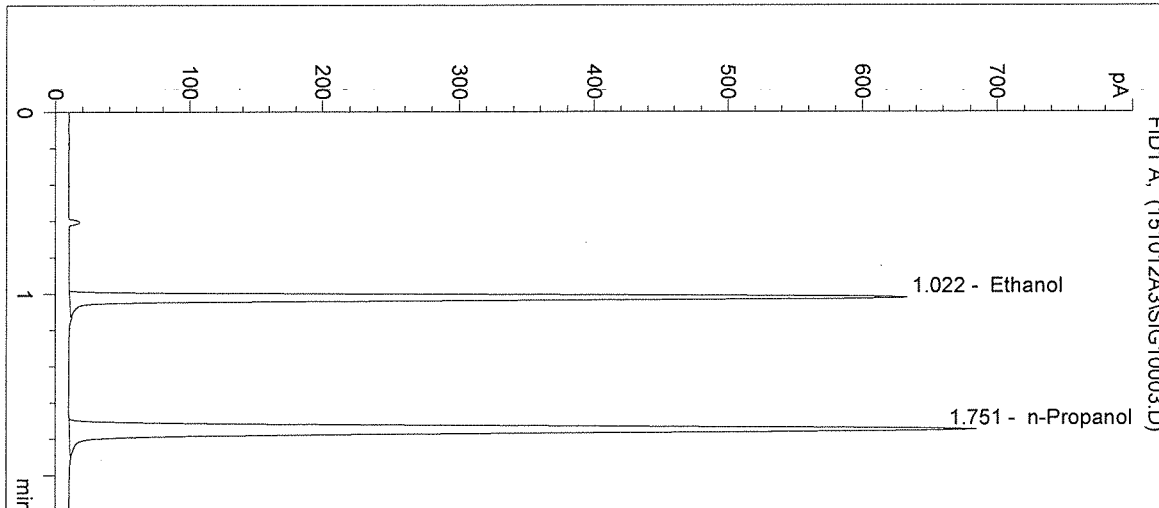
Operator: asa louis

Column: DB-ALC2

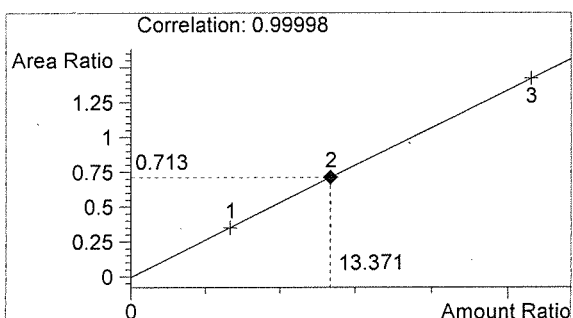
Location: Vial 3

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

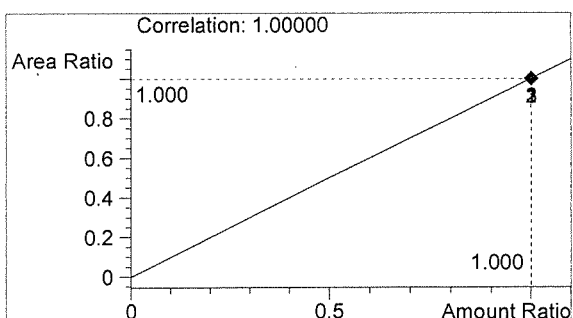
Sample Info: gap 15043 *4 Aniprotis*



#	Compound	Peak Area	RT (min)
1	Ethanol	1306	1.022
2	n-Propanol	1830	1.751



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

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

Inj. Date: 10/12/2015 1:15:27 PM

Sample Name: 0.316 cal 3

Instrument: HSGC#3

Operator: asa louis

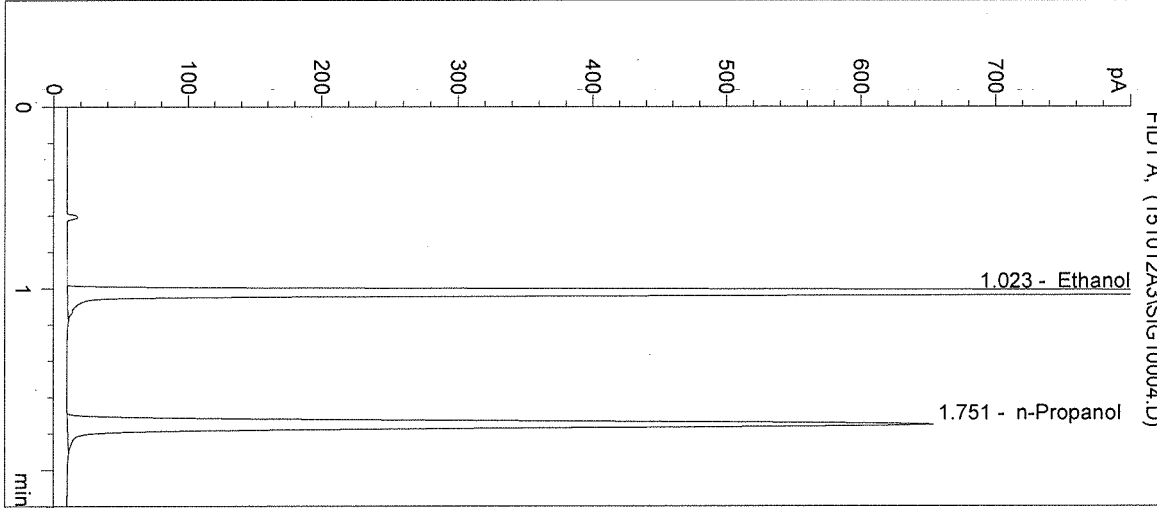
Column: DB-ALC2

Location: Vial 4

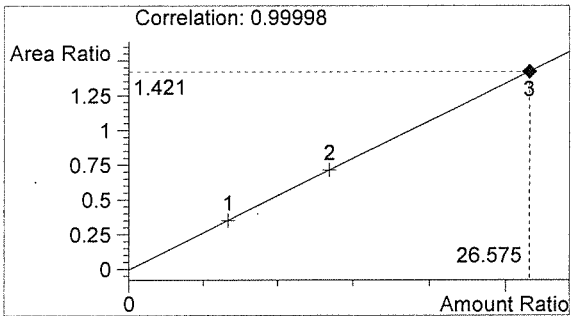
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: qap 15047

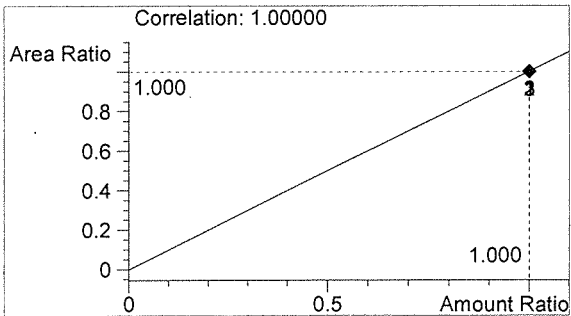
4 bottles



#	Compound	Peak Area	RT (min)
1	Ethanol	2479	1.023
2	n-Propanol	1744	1.751



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

h

sk

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

Inj. Date: 10/12/2015 1:18:39 PM
Instrument: HSGC#3

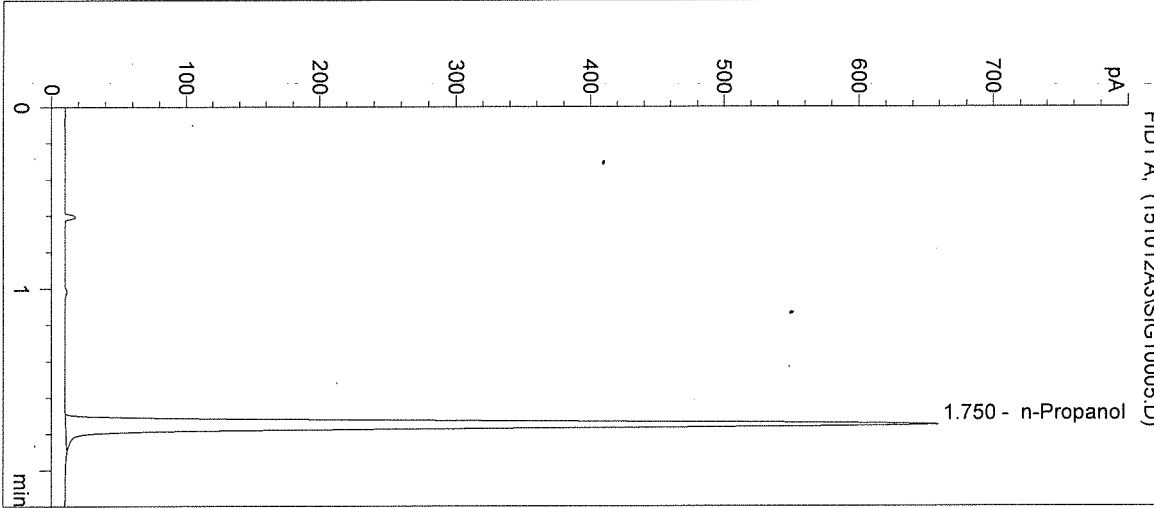
Sample Name: neg ctrl - al
Operator: asa louis
Location: Vial 5

Column: DB-ALC2

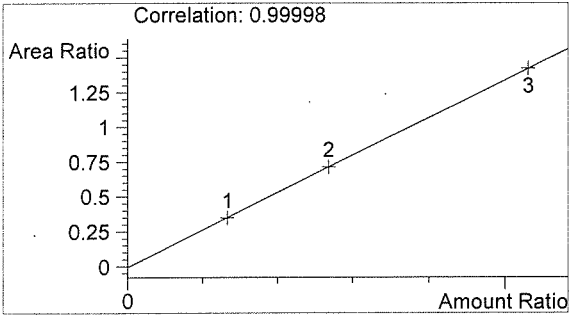
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: qap 15043

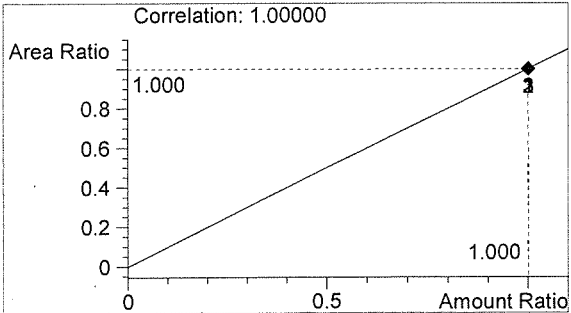
4 fingerprints



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1756	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

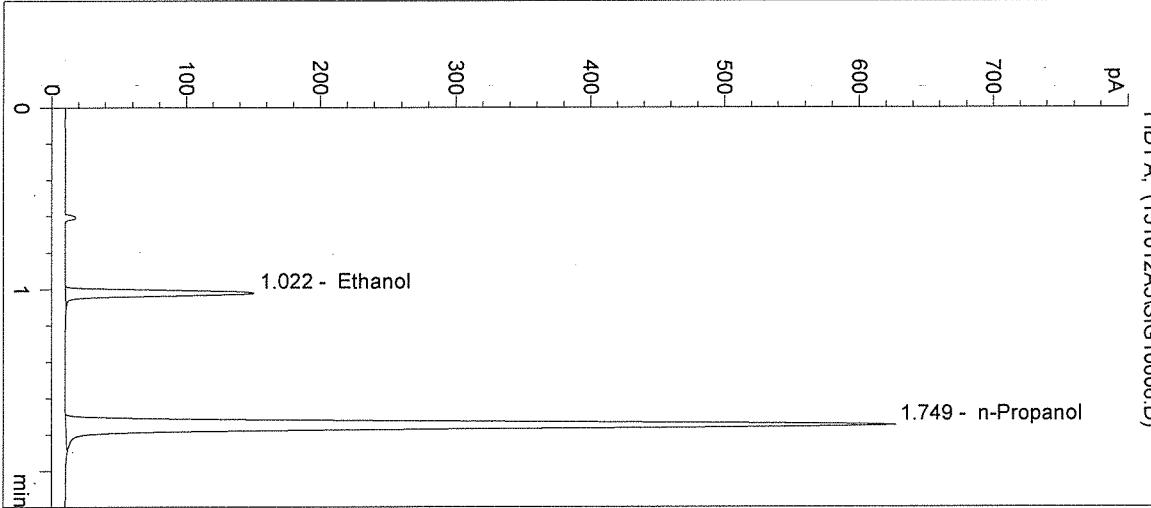
Inj. Date: 10/12/2015 1:21:53 PM
 Instrument: HSGC#3

Sample Name: 0.04 ctrl - al
 Operator: asa louis
 Location: Vial 6

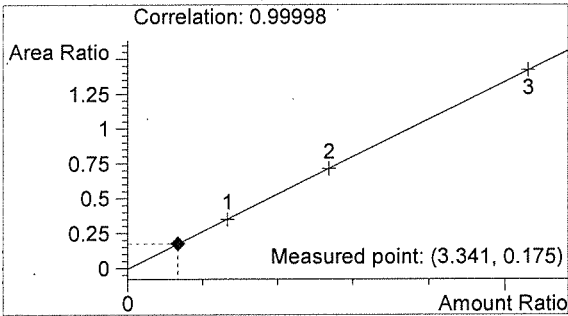
Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: qap 15047

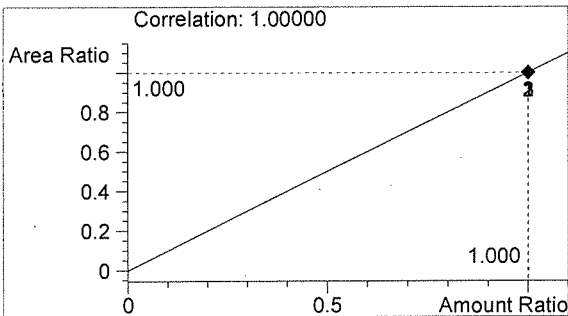
4 analysis



#	Compound	Peak Area	RT (min)
1	Ethanol	293	1.022
2	n-Propanol	1671	1.749



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

asa

asa

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

Inj. Date: 10/12/2015 1:25:06 PM

Sample Name: 0.10 ctrl - al

Instrument: HSGC#3

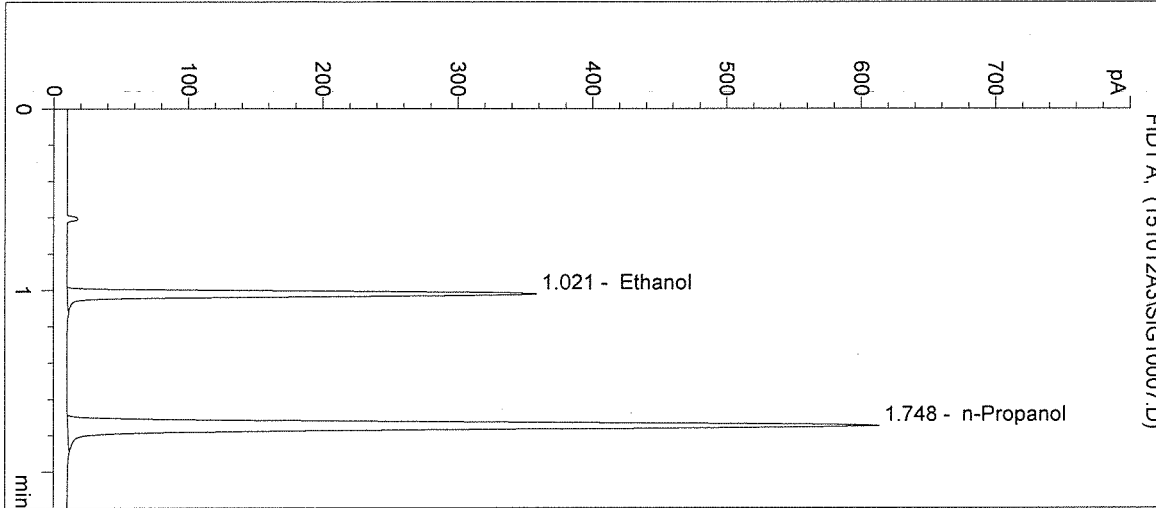
Operator: asa louis

Column: DB-ALC2

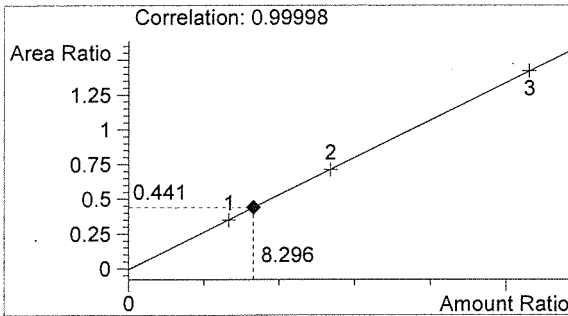
Location: Vial 7

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

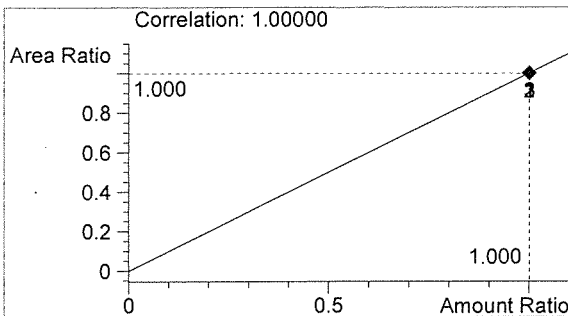
Sample Info: gap 150474 *8/10/2015*



#	Compound	Peak Area	RT (min)
1	Ethanol	717	1.021
2	n-Propanol	1626	1.748



Ethanol 0.100 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: 10/12/2015 1:28:20 PM

Sample Name: 0.20 ctrl - al

Instrument: HSGC#3

Operator: asa louis

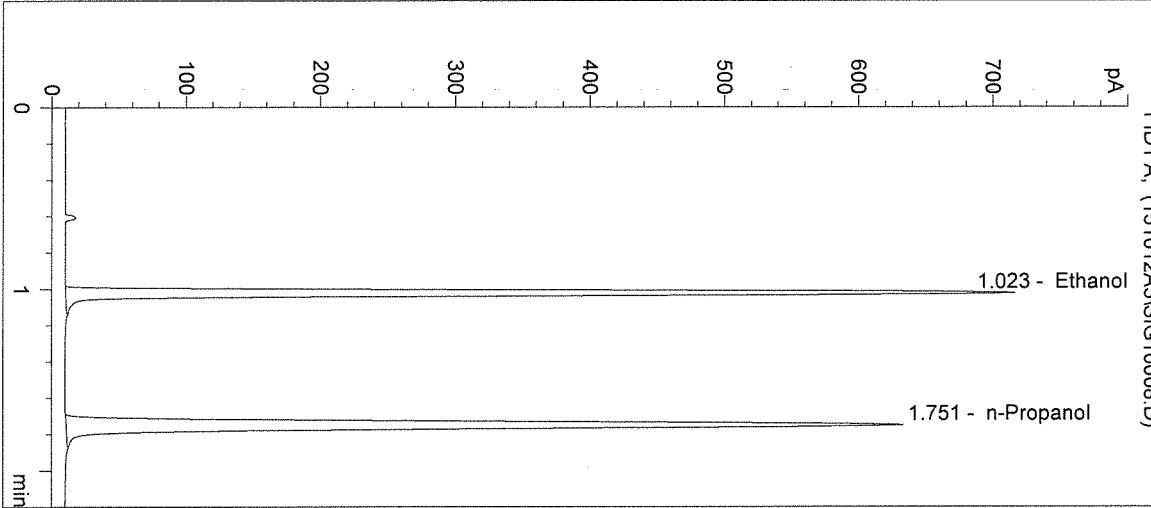
Column: DB-ALC2

Location: Vial 8

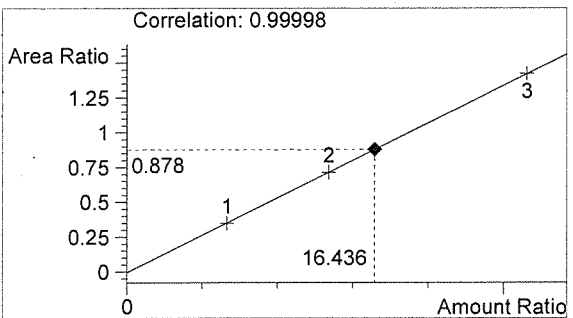
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: qap 1504

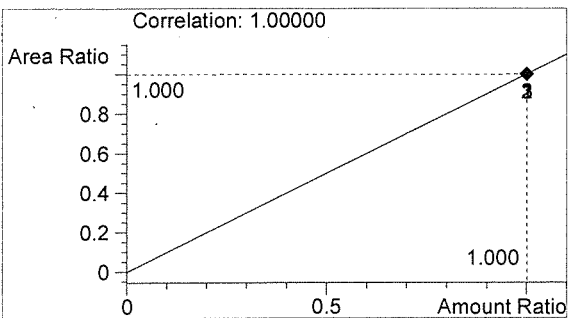
A 10/12/15



#	Compound	Peak Area	RT (min)
1	Ethanol	1480	1.023
2	n-Propanol	1687	1.751



Ethanol 0.197 g/100mL



n-Propanol 0.012 g/100mL

ln

al

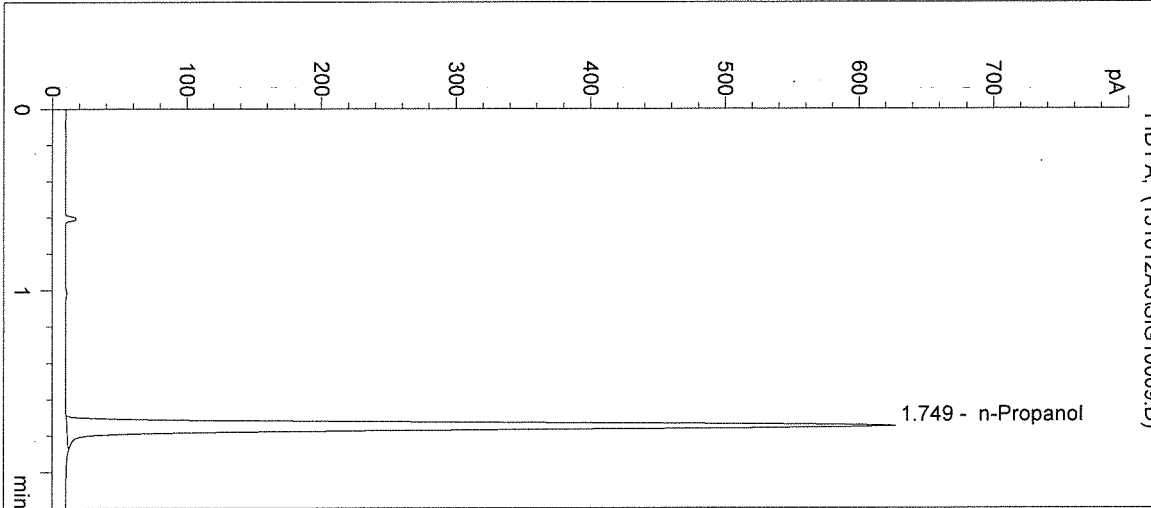
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/12/2015 1:31:33 PM
 Instrument: HSGC#3

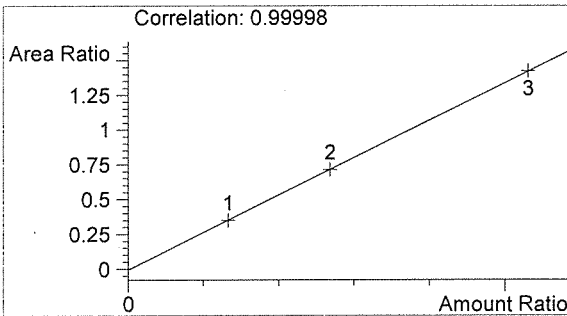
Sample Name: neg ctrl - al
 Operator: asa louis
 Location: Vial 9

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

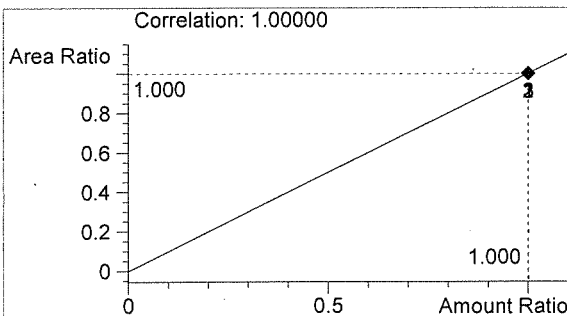
Sample Info: gap 15043 *4 fmol/100*



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1663	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: 10/12/2015 1:57:21 PM

Sample Name: gap0.08 15044 #1

Instrument: HSGC#3

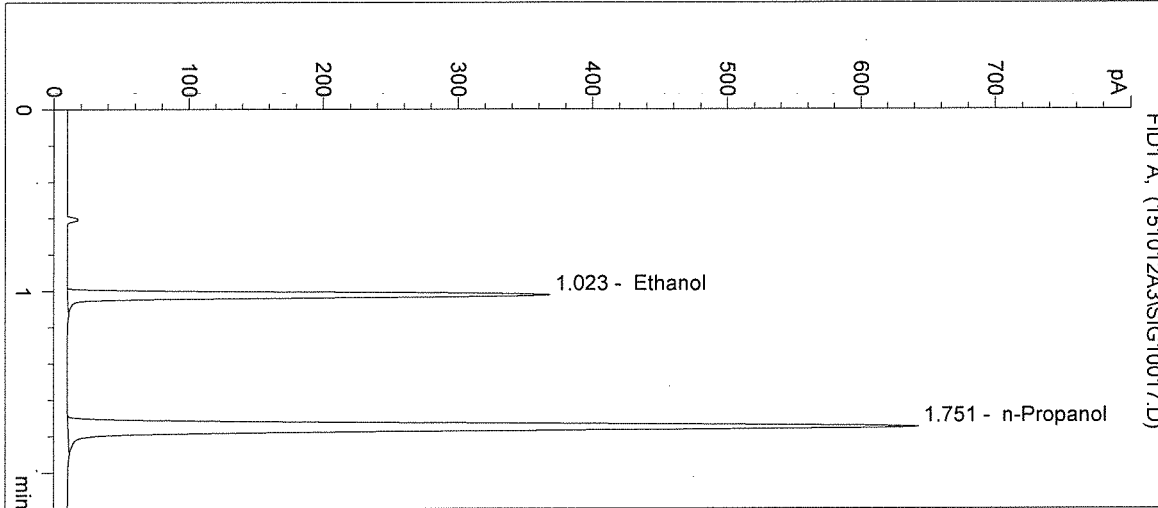
Operator: asa louis

Column: DB-ALC2

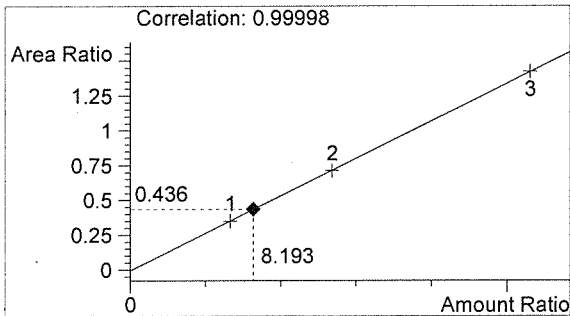
Location: Vial 17

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

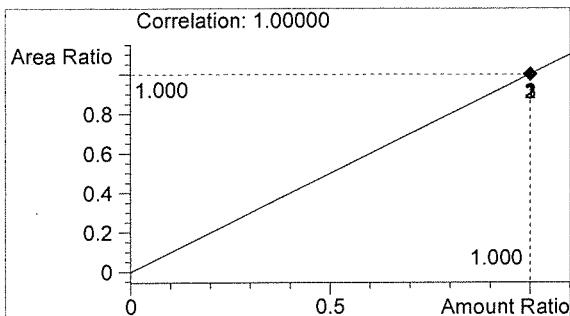
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	746	1.023
2	n-Propanol	1713	1.751



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

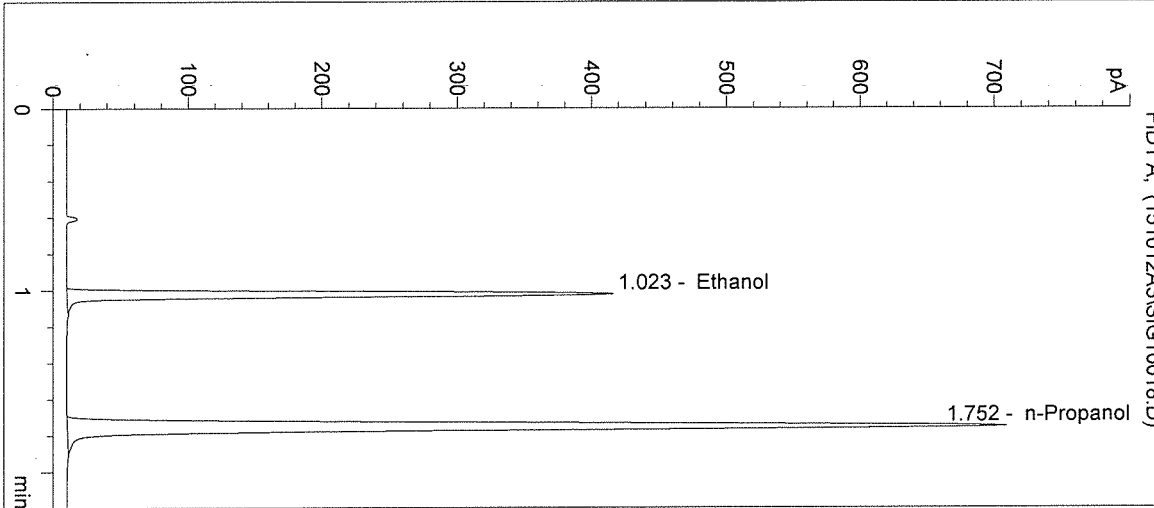
Handwritten signature

Handwritten signature

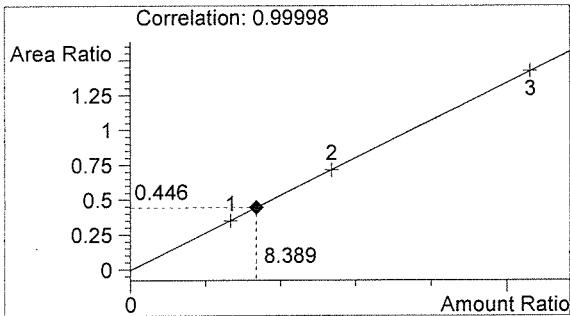
Inj. Date: 10/12/2015 2:00:34 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: gap0.08 15044 #2
 Operator: asa louis
 Location: Vial 18

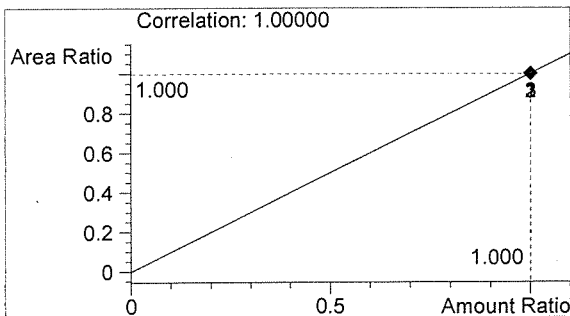
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	842	1.023
2	n-Propanol	1887	1.752



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signatures/initials

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/12/2015 2:03:48 PM

Sample Name: gap0.08 15044 #3

Instrument: HSGC#3

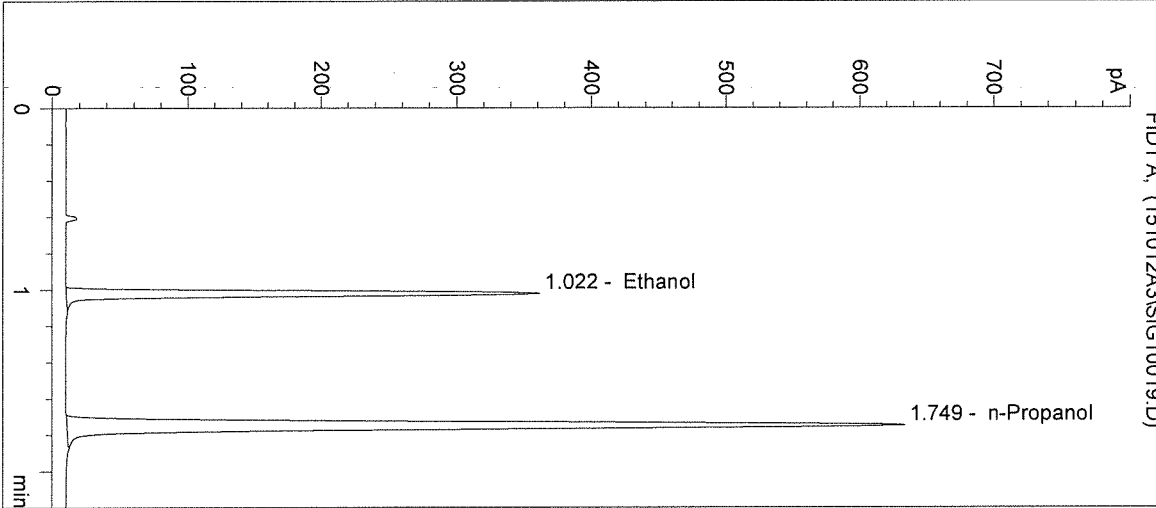
Operator: asa louis

Column: DB-ALC2

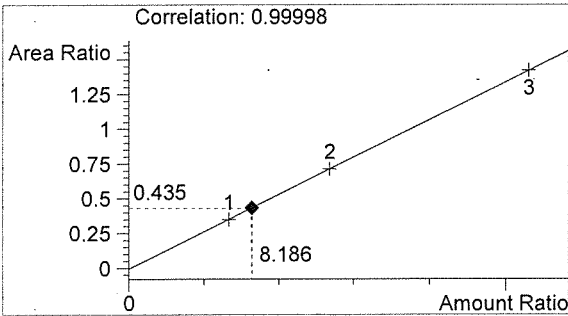
Location: Vial 19

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

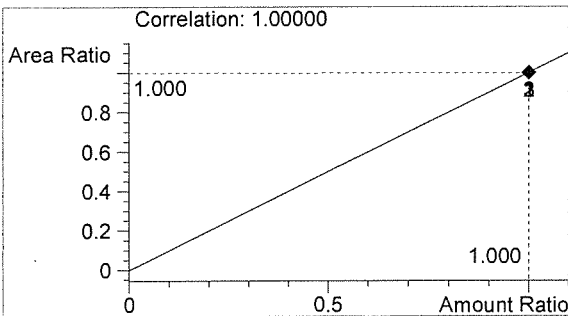
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	730	1.022
2	n-Propanol	1677	1.749



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

Handwritten initials/signature

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/12/2015 2:07:01 PM

Sample Name: gap0.08 15044 #4

Instrument: HSGC#3

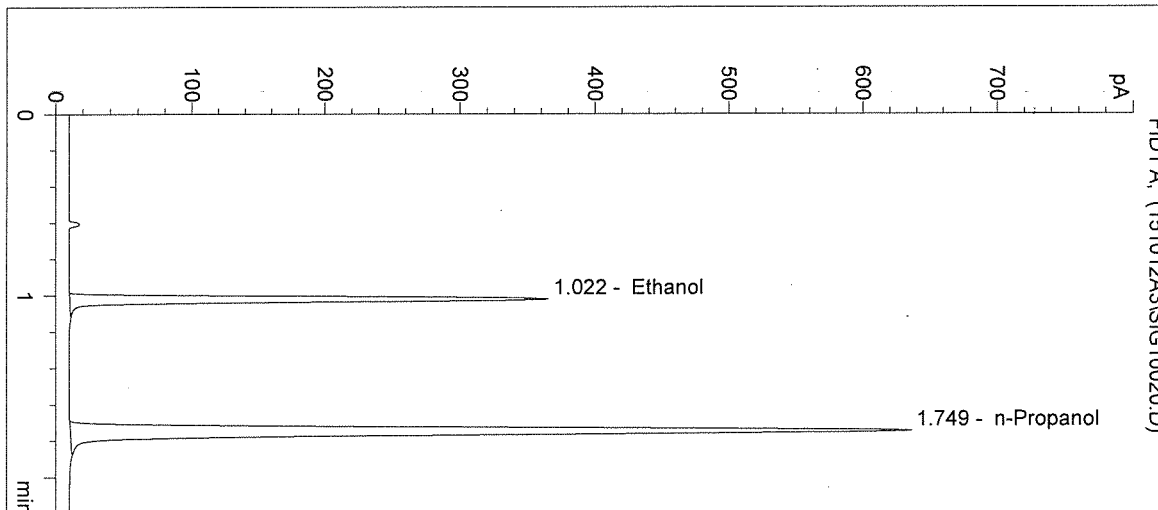
Operator: asa louis

Column: DB-ALC2

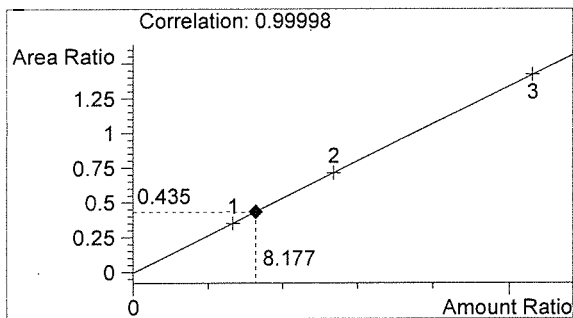
Location: Vial 20

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

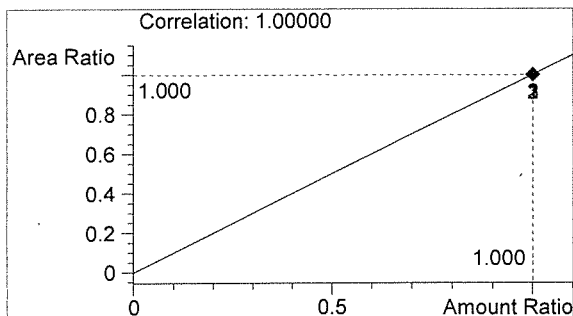
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	730	1.022
2	n-Propanol	1679	1.749



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

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

Inj. Date: 10/12/2015 2:10:14 PM

Sample Name: gap0.08 15044 #5

Instrument: HSGC#3

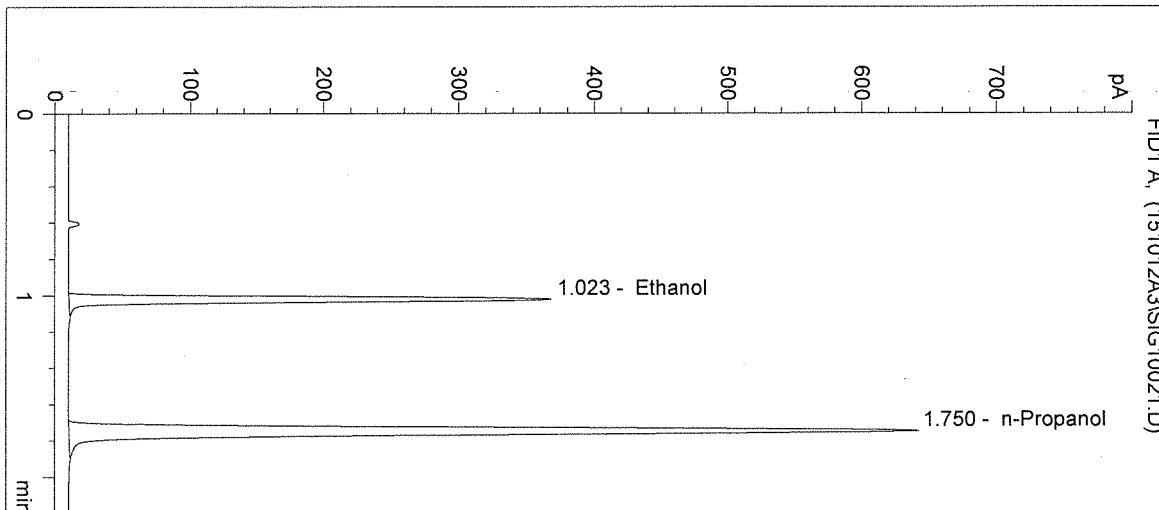
Operator: asa louis

Column: DB-ALC2

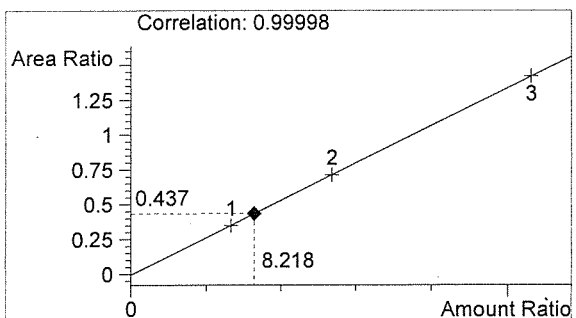
Location: Vial 21

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

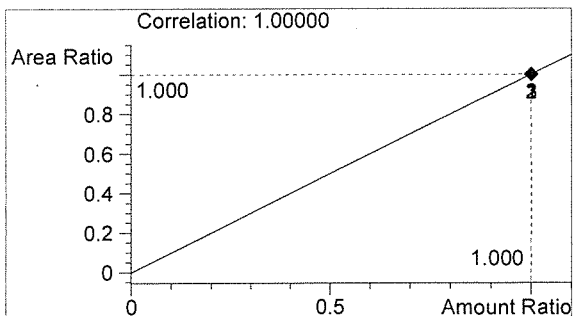
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	748	1.023
2	n-Propanol	1711	1.750



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

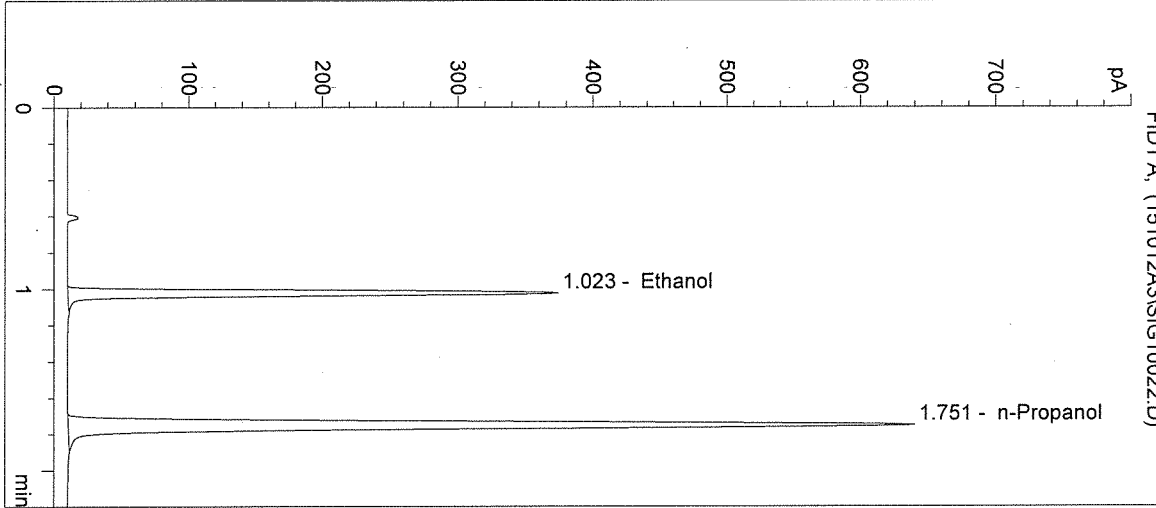
Handwritten signature

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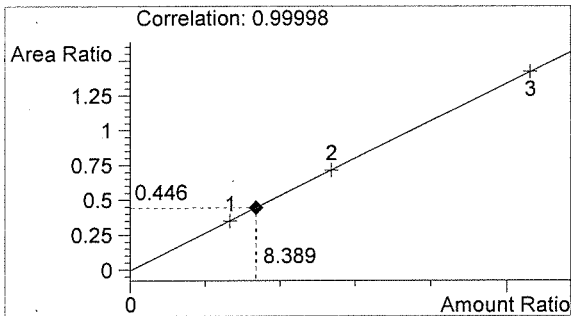
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2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/12/2015 2:13:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: gap 15044

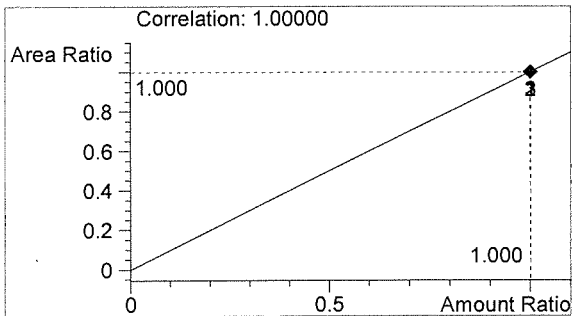
Sample Name: 0.10 ctrl - al
Operator: asa louis
Location: Vial 22



#	Compound	Peak Area	RT (min)
1	Ethanol	759	1.023
2	n-Propanol	1702	1.751



Ethanol 0.101 g/100mL



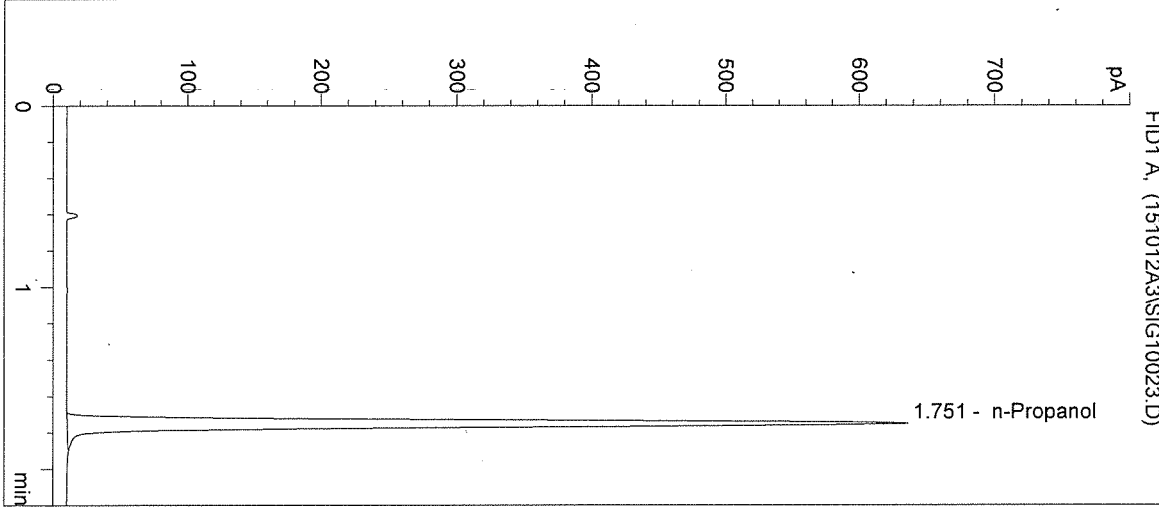
n-Propanol 0.012 g/100mL

Handwritten signature

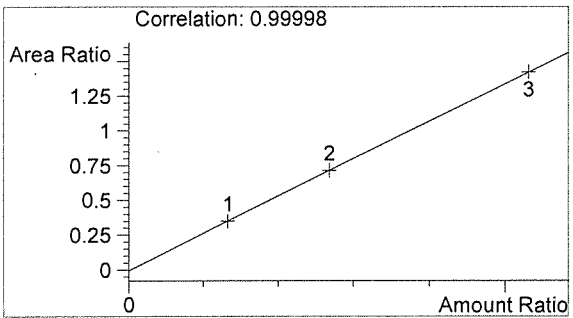
Handwritten signature

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2203 Airport Way S Seattle, WA 98134

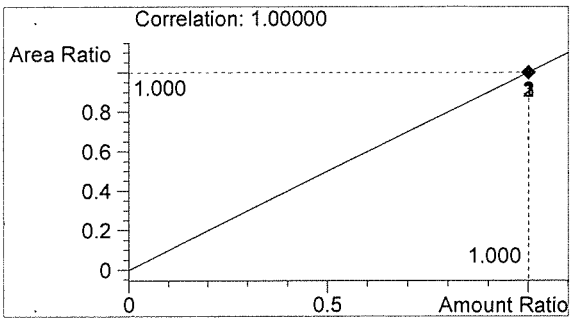
Inj. Date: 10/12/2015 2:16:41 PM Sample Name: neg ctrl - al
Instrument: HSGC#3 Operator: asa louis
Column: DB-ALC2 Location: Vial 23
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: gap 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1690	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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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		

15044
In 10/12/15

BT

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!

15044

In 10/27/15

BT

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

Calib. Data Modified : Wednesday, October 14, 2015 1:20:31 PM
Calculate : Internal Standard
Based on : Peak Area
Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing
Curve Type : Linear
Origin : Included
Weight : Equal
Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp Name
1.023	1 1	7.97800e-2	603.98346	1.32090e-4	1	Ethanol
		2 1.60980e-1	1153.27173	1.39585e-4		
		3 3.18440e-1	2296.02075	1.38692e-4		
1.750	1 1	1.20000e-2	1706.18457	7.03324e-6	I1	n-Propanol
		2 1.20000e-2	1644.28381	7.29801e-6		
		3 1.20000e-2	1635.85168	7.33563e-6		

15044

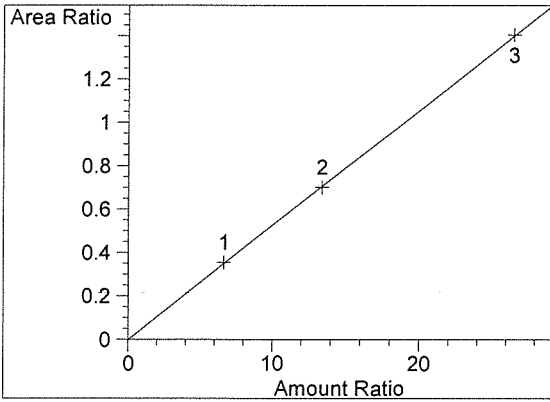
10/27/15

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

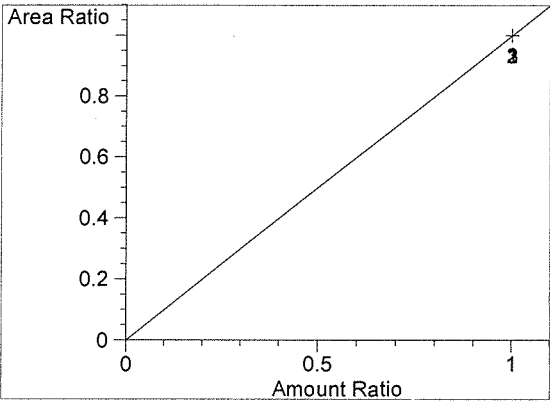
No Entries in table
=====

BT

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



Ethanol at exp. RT: 1.023
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00556
Formula: $y = mx + b$
m: 5.28235e-2
b: -6.58661e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.750
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

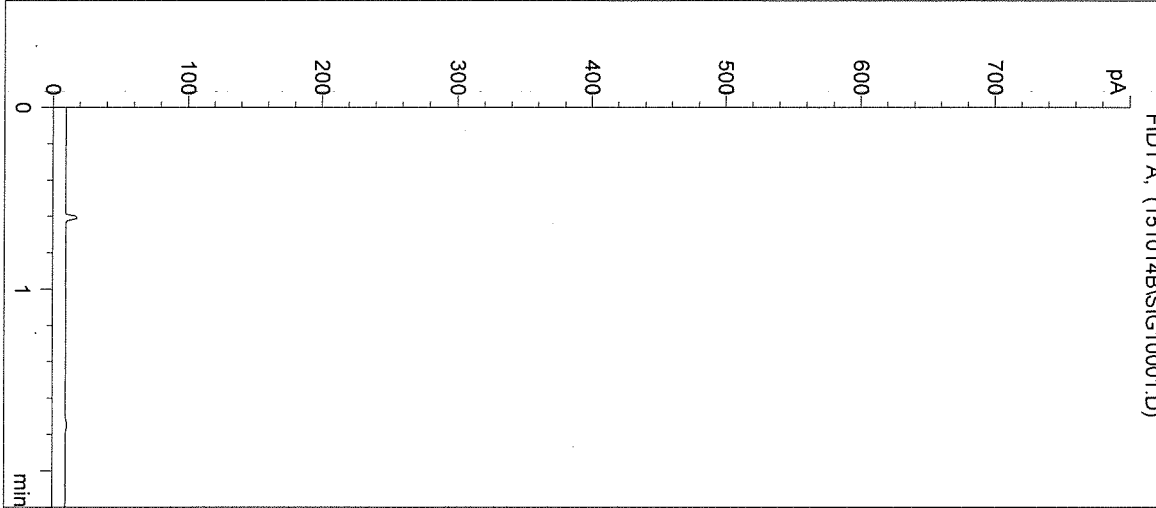
=====
15044

Ino/27/15

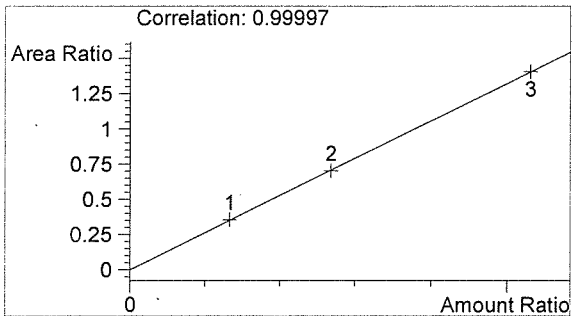
BT

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2203 Airport Way S Seattle, WA 98134

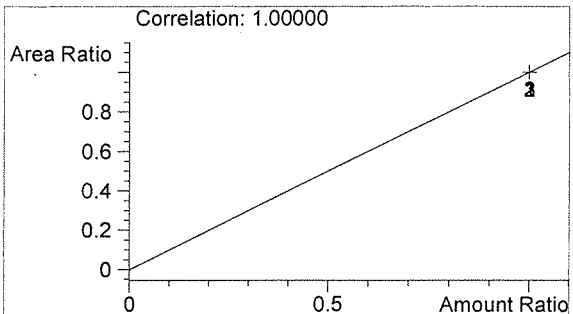
Inj. Date: 10/14/2015 1:08:26 PM Sample Name: BLANK
Instrument: HSGC#3 Operator: Brittany Thomas
Column: DB-ALC2 Location: Vial 1
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15044



#	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

BT

BT

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 1:11:45 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#3

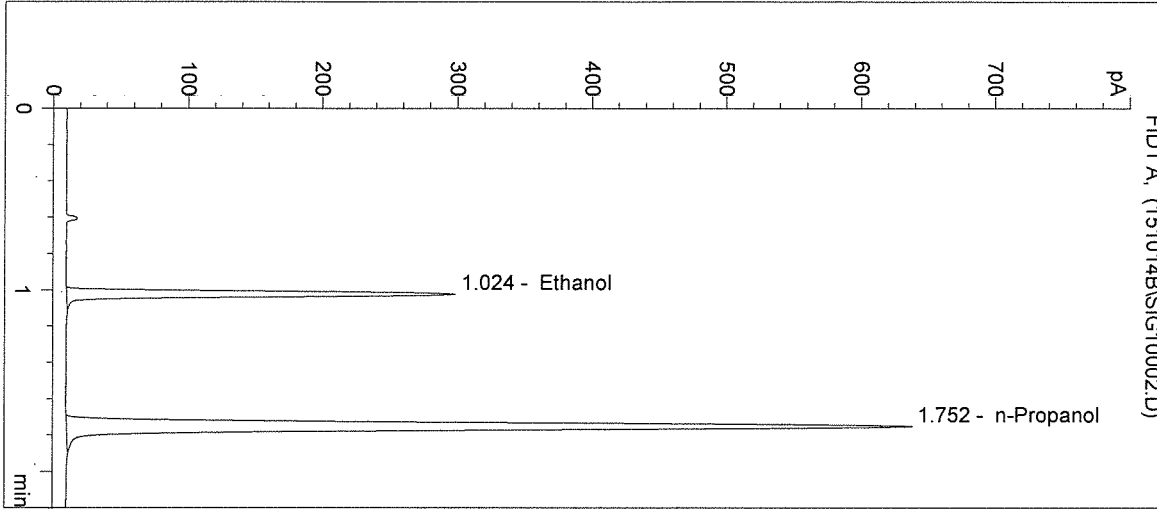
Operator: Brittany Thomas

Column: DB-ALC2

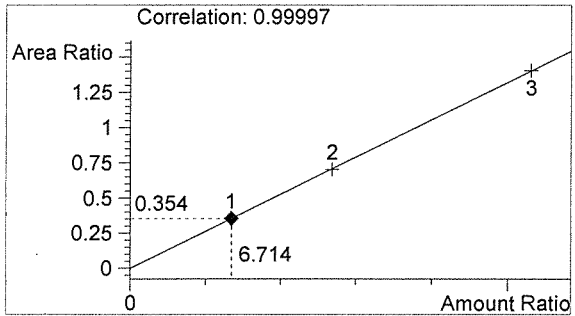
Location: Vial 2

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

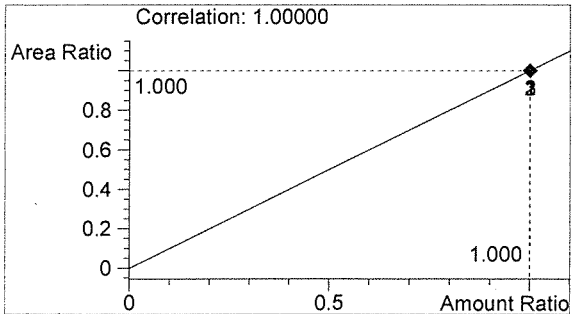
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	604	1.024
2	n-Propanol	1706	1.752



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

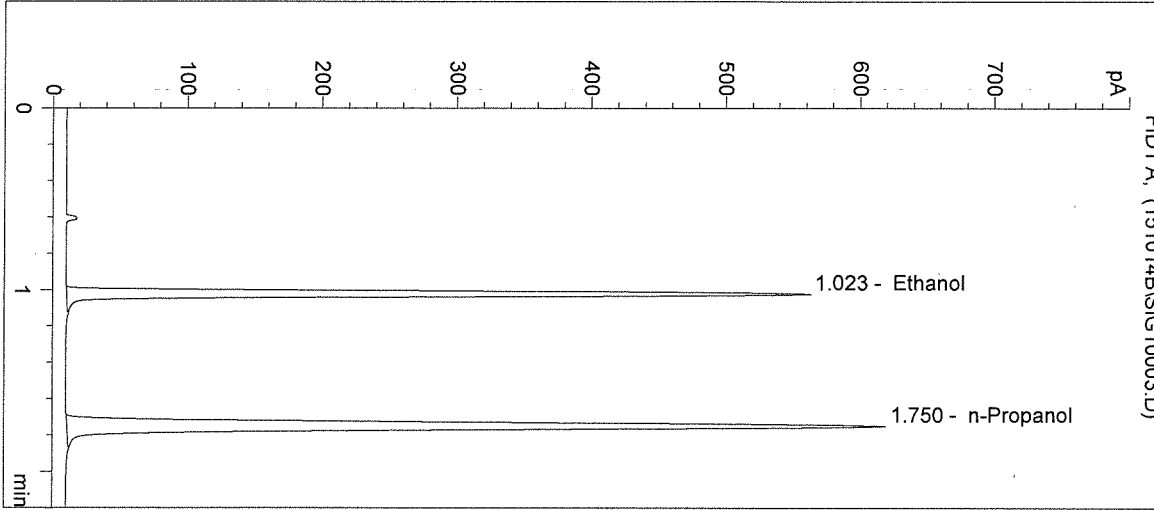
BT

BT

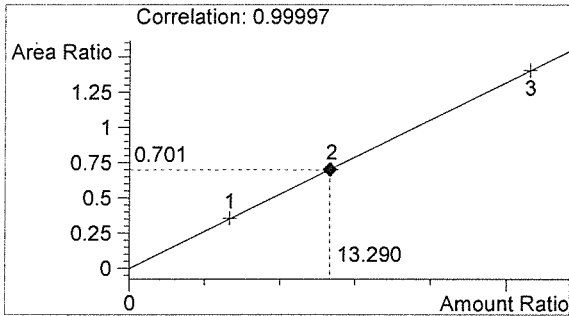
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 1:15:02 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15044

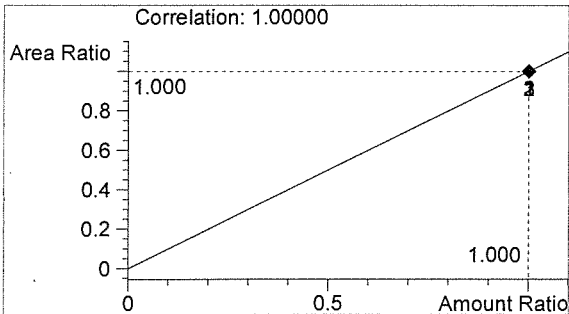
Sample Name: 0.158 CAL 2
 Operator: Brittany Thomas
 Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1153	1.023
2	n-Propanol	1644	1.750



Ethanol 0.159 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 1:18:19 PM

Sample Name: 0.316 CAL 3

Instrument: HSGC#3

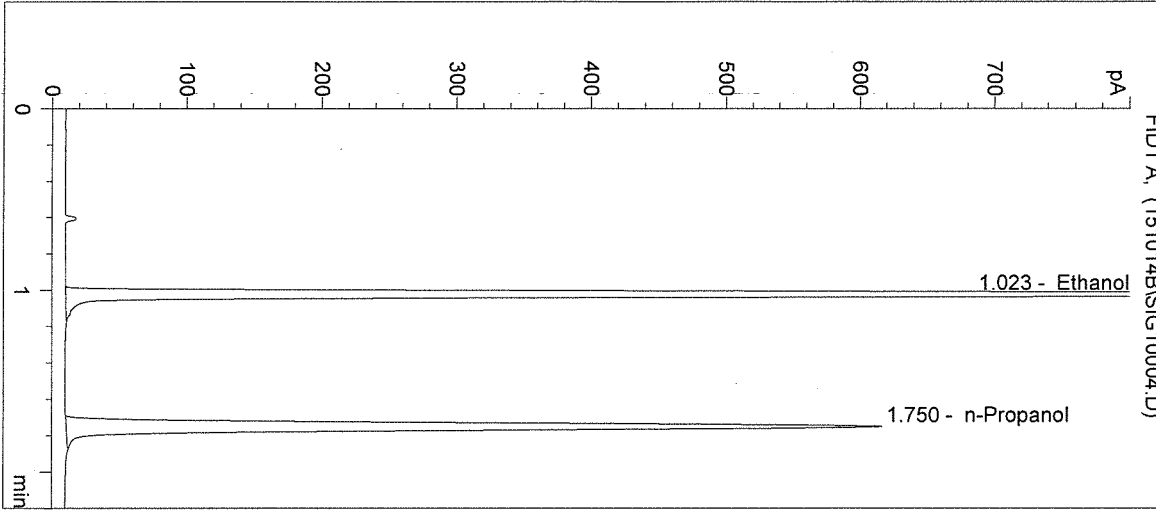
Operator: Brittany Thomas

Column: DB-ALC2

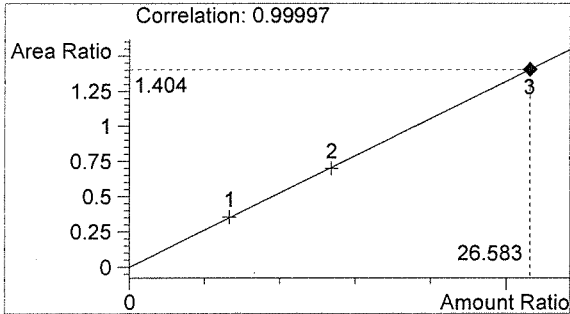
Location: Vial 4

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

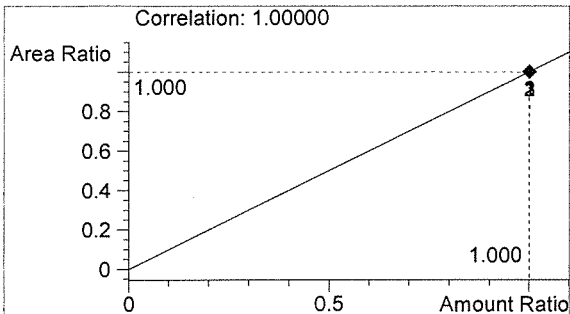
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	2296	1.023
2	n-Propanol	1636	1.750



Ethanol 0.319 g/100mL



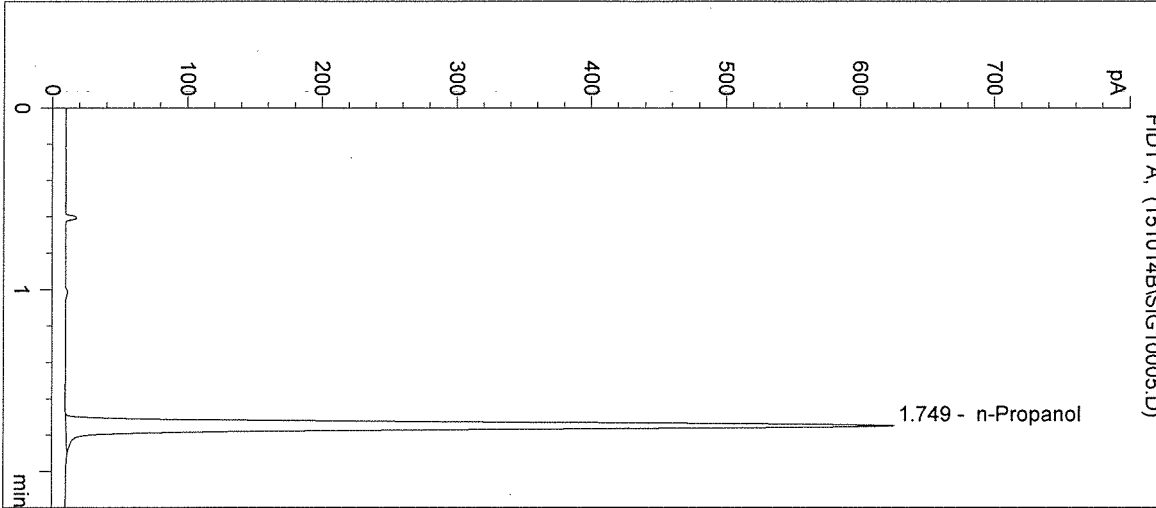
n-Propanol 0.012 g/100mL

Handwritten signature

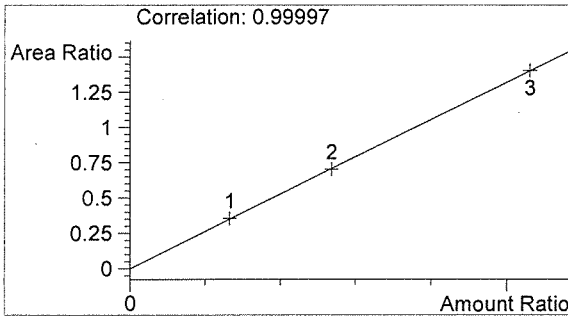
BT

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2203 Airport Way S Seattle, WA 98134

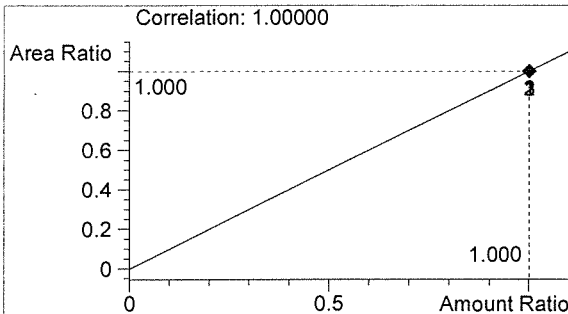
Inj. Date: 10/14/2015 1:21:32 PM Sample Name: NEG CTRL-BT
Instrument: HSGC#3 Operator: Brittany Thomas
Column: DB-ALC2 Location: Vial 5
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1669	1.749



Ethanol 0.000 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 1:24:46 PM

Sample Name: 0.04 CTRL-BT

Instrument: HSGC#3

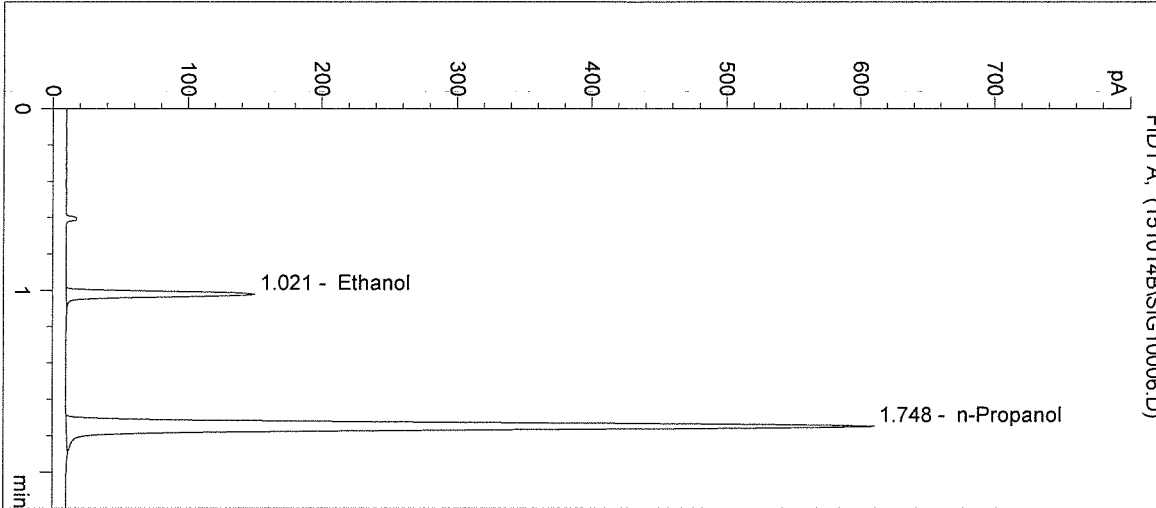
Operator: Brittany Thomas

Column: DB-ALC2

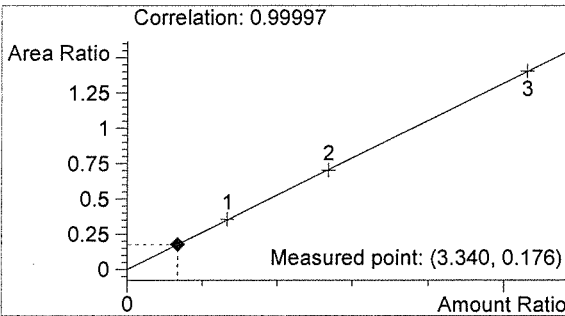
Location: Vial 6

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

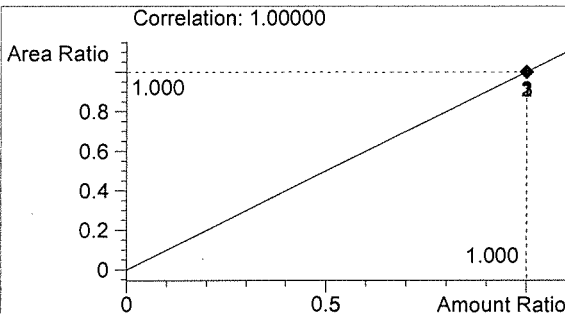
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	284	1.021
2	n-Propanol	1616	1.748



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

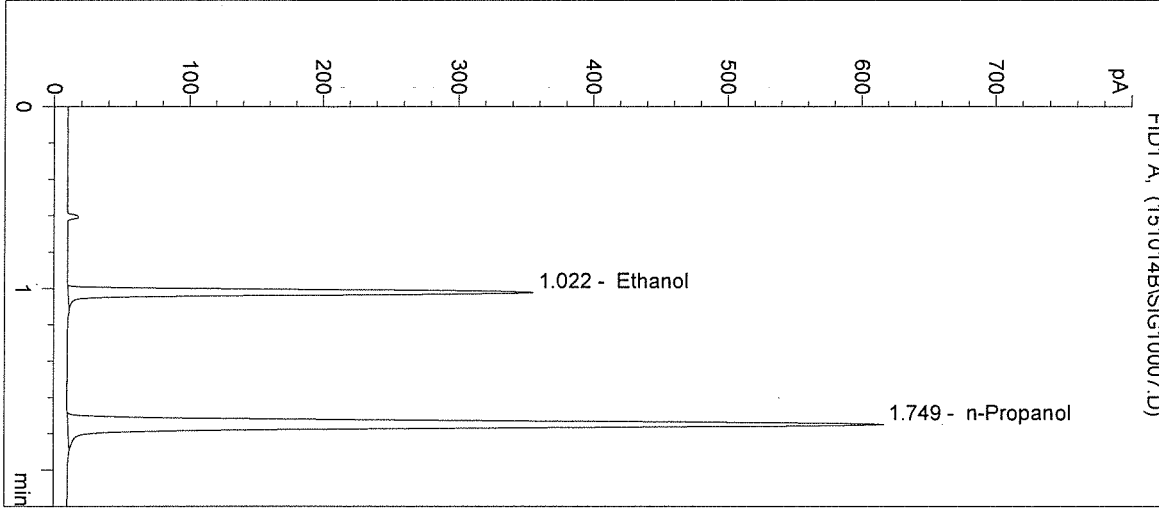
BT

BT

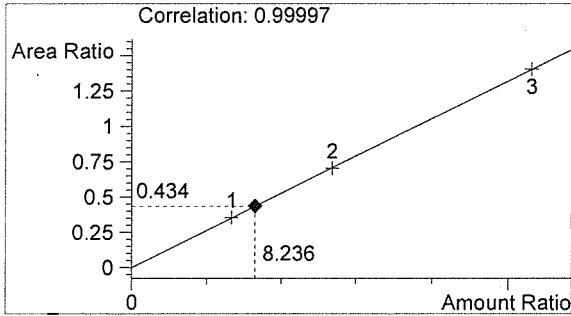
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 1:27:59 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15044

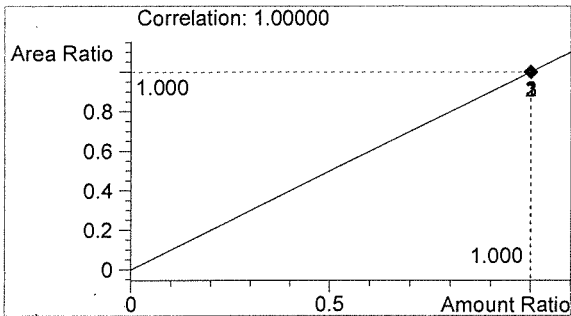
Sample Name: 0.10 CTRL-BT
Operator: Brittany Thomas
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	711	1.022
2	n-Propanol	1636	1.749



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

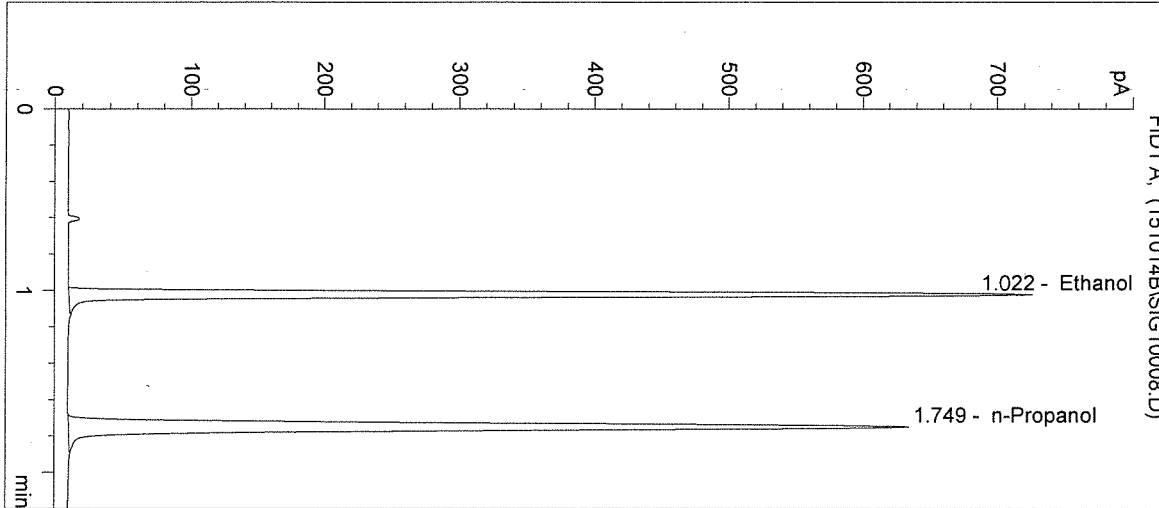
BT

BT

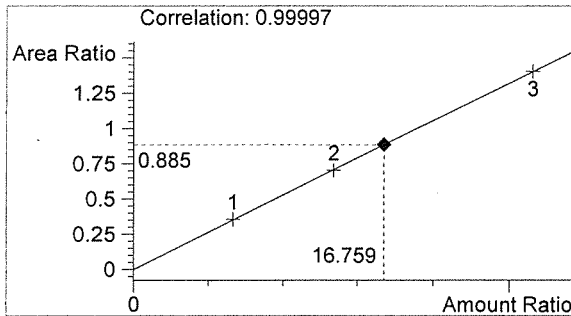
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 1:31:13 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15044

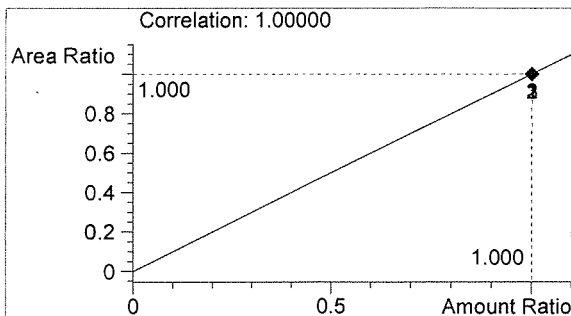
Sample Name: 0.20 CTRL-BT
Operator: Brittany Thomas
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1500	1.022
2	n-Propanol	1696	1.749



Ethanol 0.201 g/100mL



n-Propanol 0.012 g/100mL

BT

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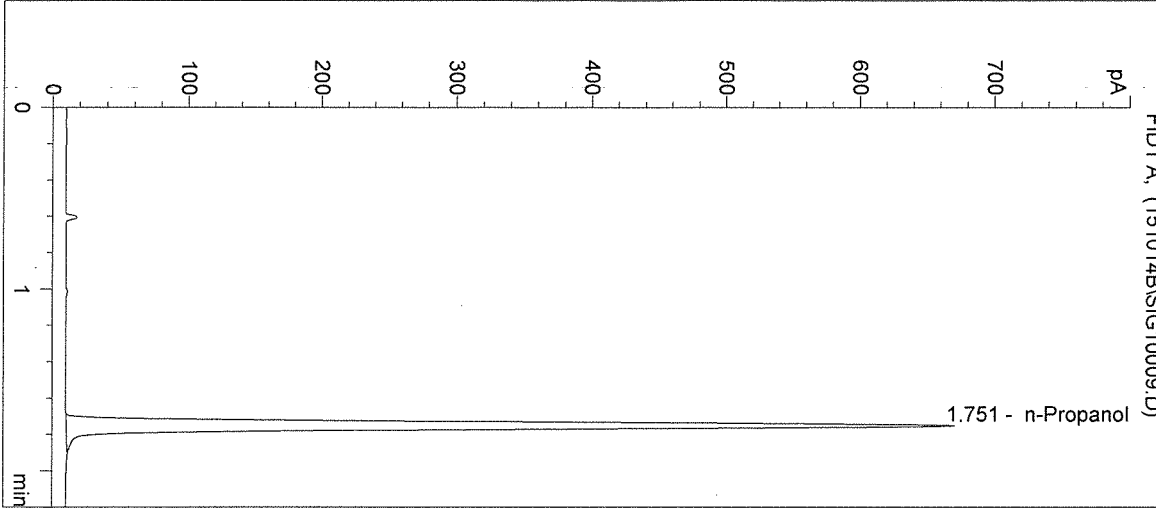
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 1:34:26 PM
Instrument: HSGC#3

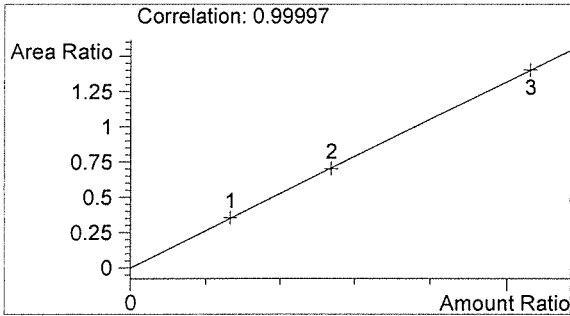
Sample Name: NEG CTRL-BT
Operator: Brittany Thomas
Location: Vial 9

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

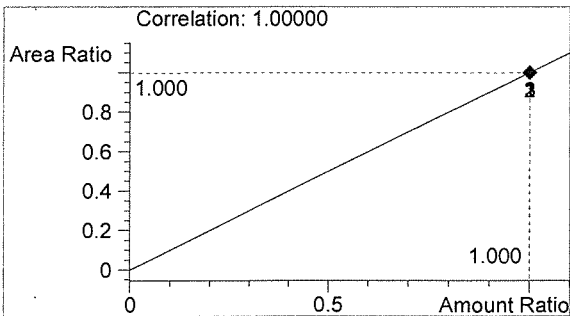
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1792	1.751



Ethanol 0.000 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 1:37:40 PM

Sample Name: QAP0.08 15044 #1

Instrument: HSGC#3

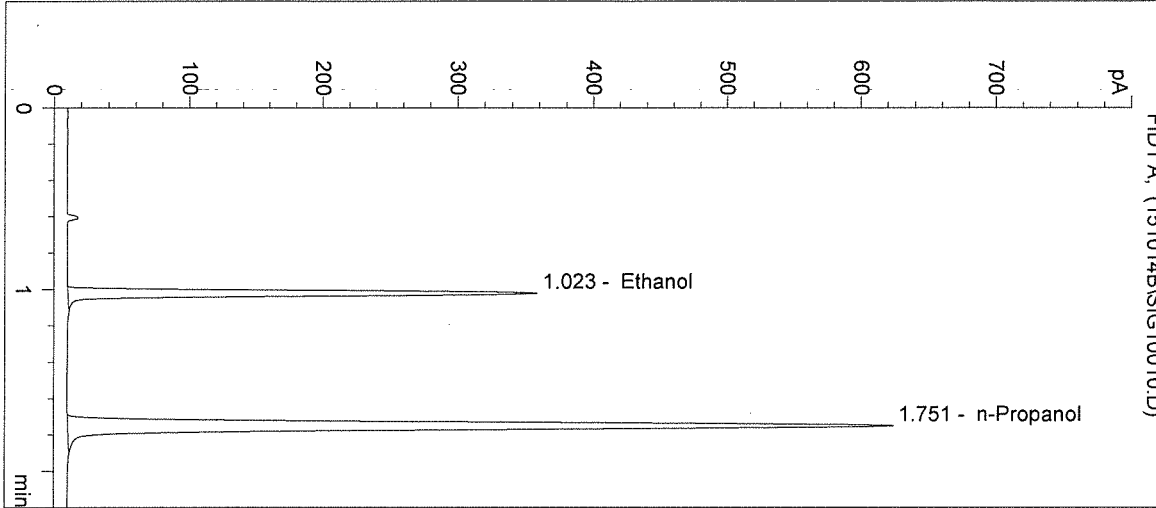
Operator: Brittany Thomas

Column: DB-ALC2

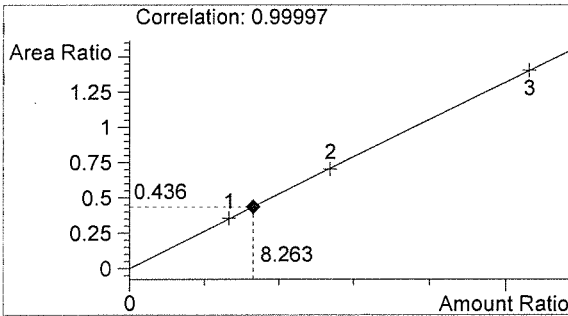
Location: Vial 10

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

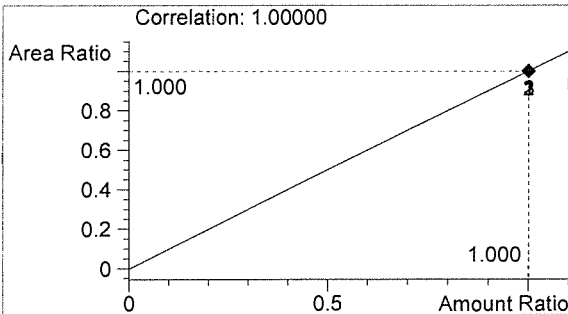
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	724	1.023
2	n-Propanol	1661	1.751



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/14/2015 1:40:53 PM

Sample Name: QAP0.08 15044 #2

Instrument: HSGC#3

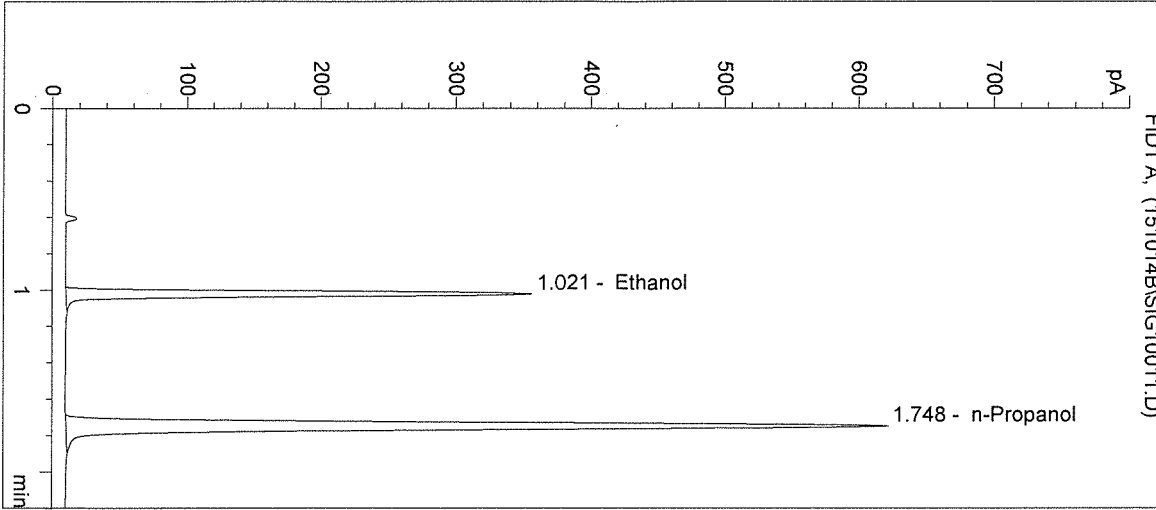
Operator: Brittany Thomas

Column: DB-ALC2

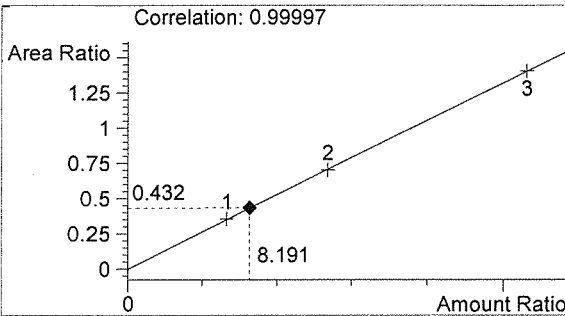
Location: Vial 11

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

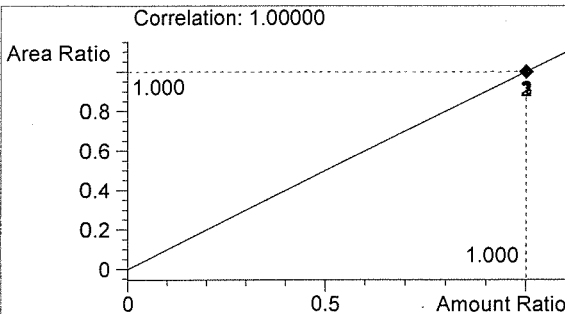
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	714	1.021
2	n-Propanol	1653	1.748



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 1:44:07 PM

Sample Name: QAP0.08 15044 #3

Instrument: HSGC#3

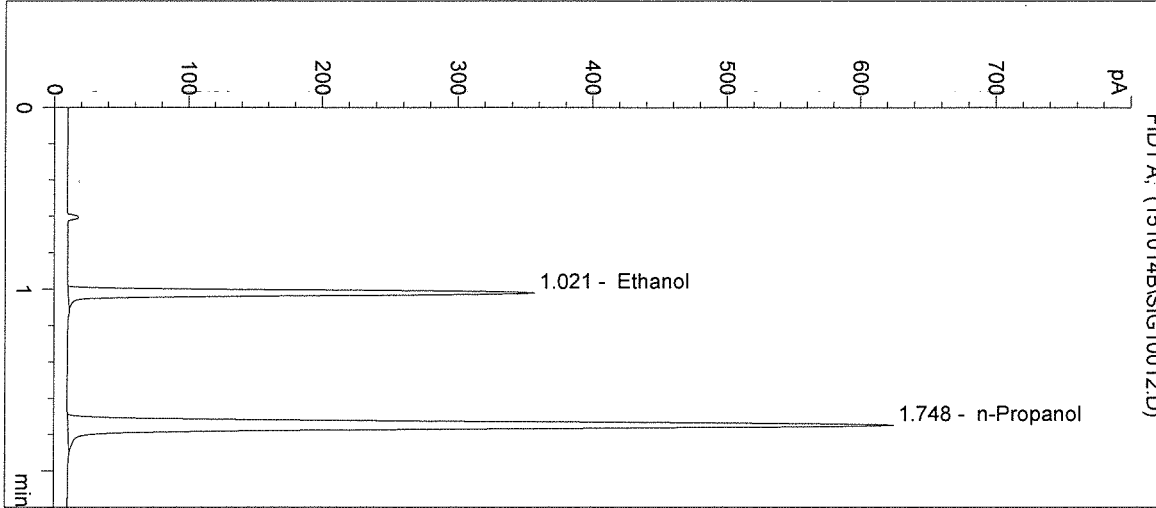
Operator: Brittany Thomas

Column: DB-ALC2

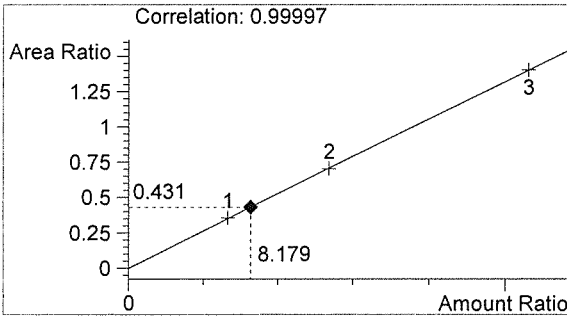
Location: Vial 12

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

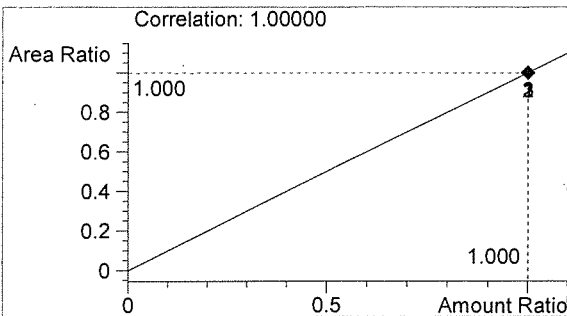
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	718	1.021
2	n-Propanol	1664	1.748



Ethanol 0.098 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 1:47:20 PM

Sample Name: QAP0.08 15044 #4

Instrument: HSGC#3

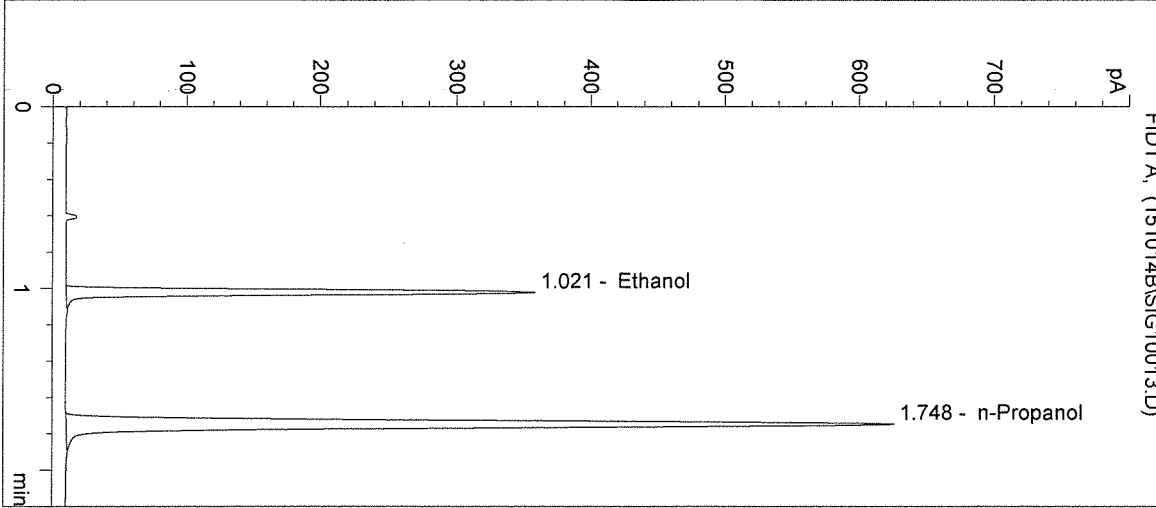
Operator: Brittany Thomas

Column: DB-ALC2

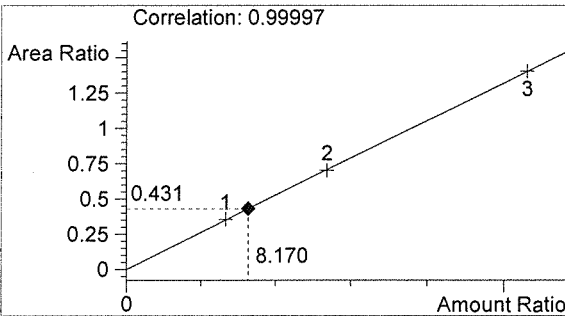
Location: Vial 13

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

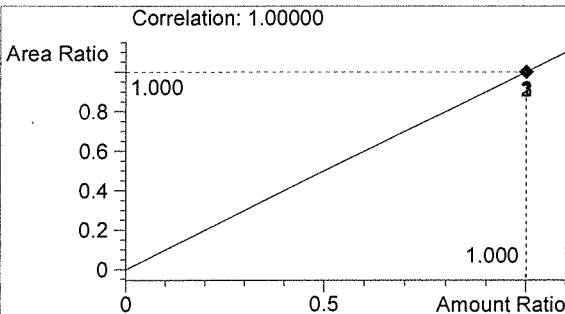
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	717	1.021
2	n-Propanol	1664	1.748



Ethanol 0.098 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 1:50:33 PM

Sample Name: QAP0.08 15044 #5

Instrument: HSGC#3

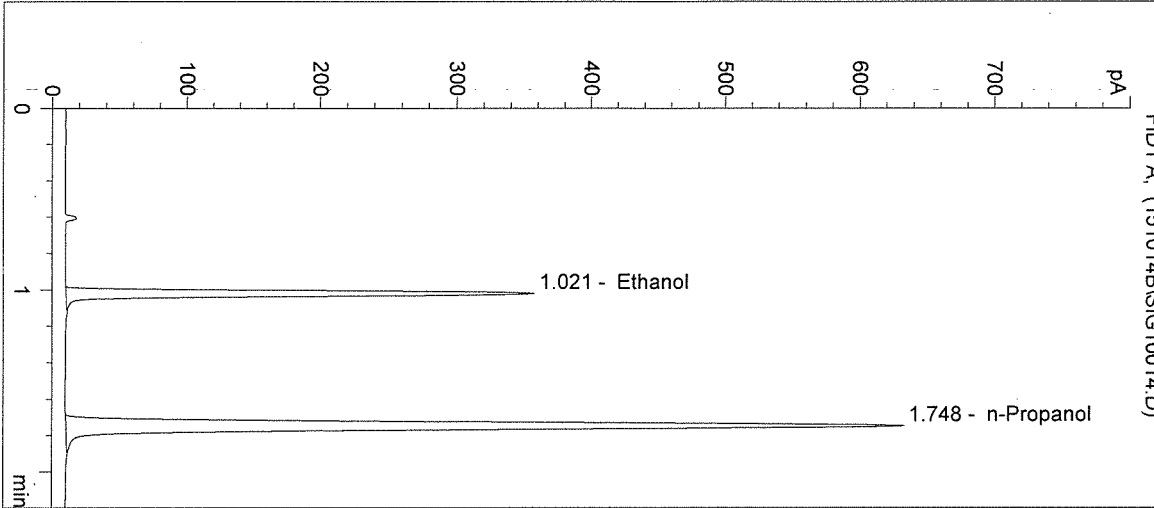
Operator: Brittany Thomas

Column: DB-ALC2

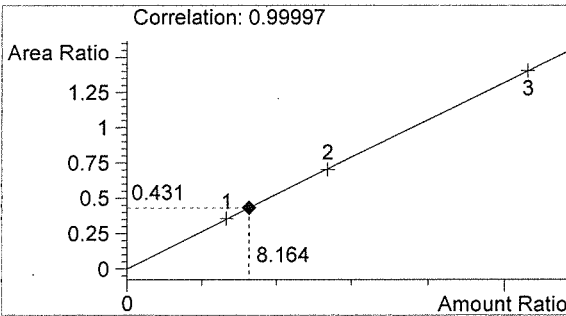
Location: Vial 14

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

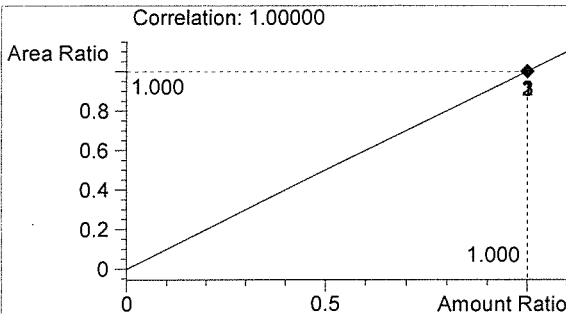
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	729	1.021
2	n-Propanol	1692	1.748



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

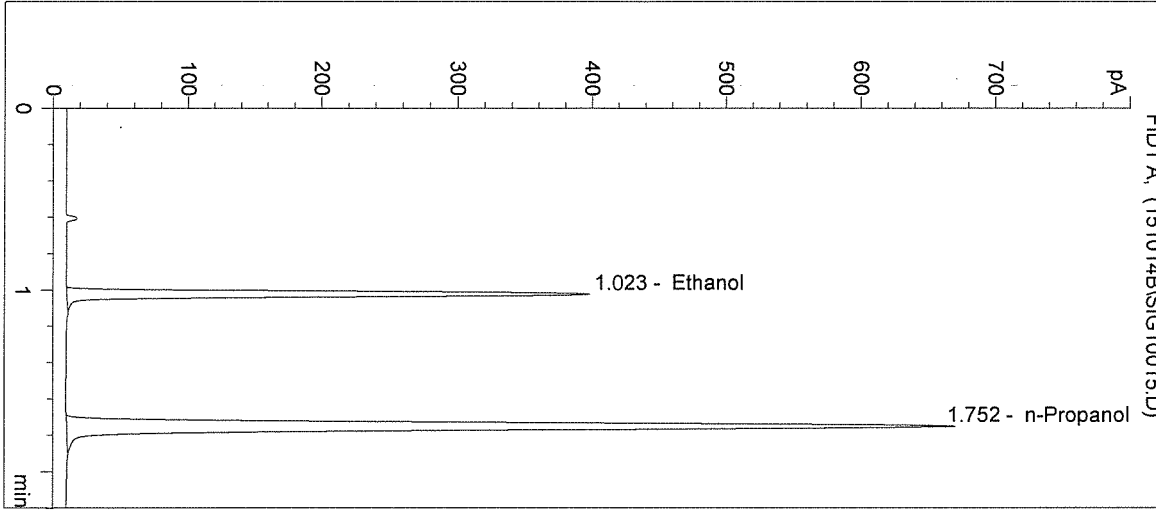
Yn

BT

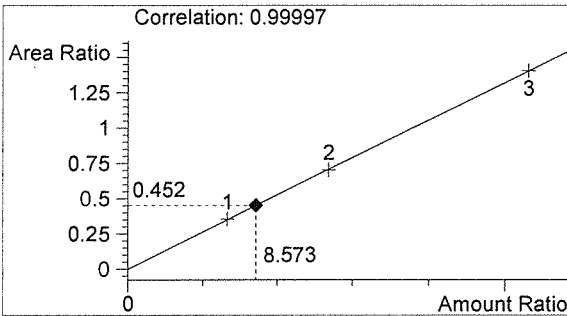
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/14/2015 1:53:47 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15044

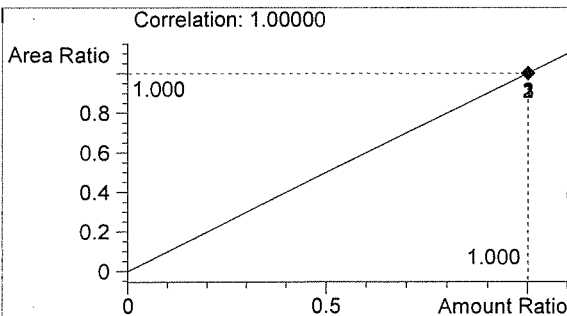
Sample Name: 0.10 CTRL-BT
 Operator: Brittany Thomas
 Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	810	1.023
2	n-Propanol	1792	1.752



Ethanol 0.103 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 1:57:00 PM

Sample Name: NEG CTRL-BT

Instrument: HSGC#3

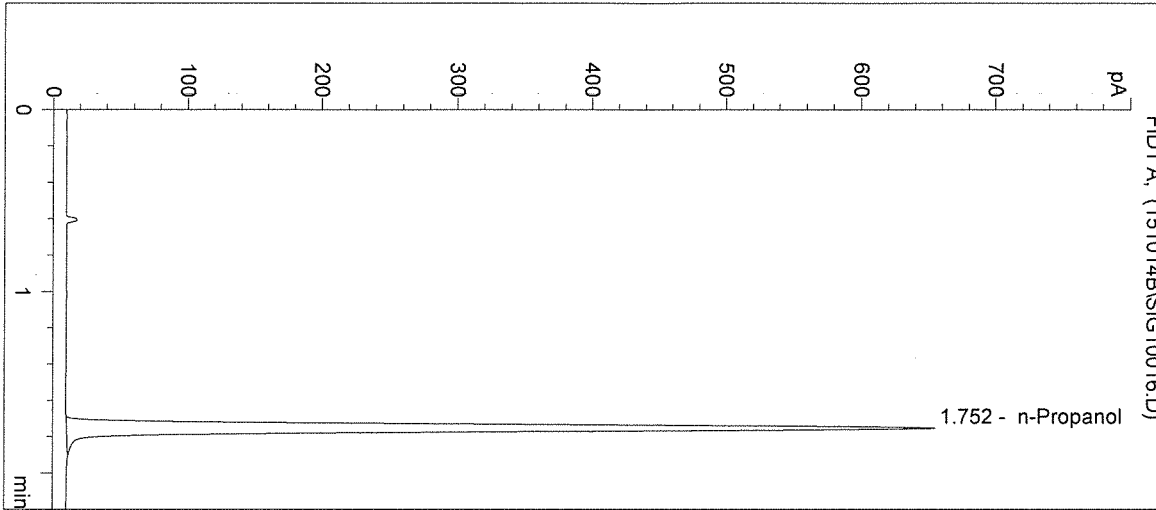
Operator: Brittany Thomas

Column: DB-ALC2

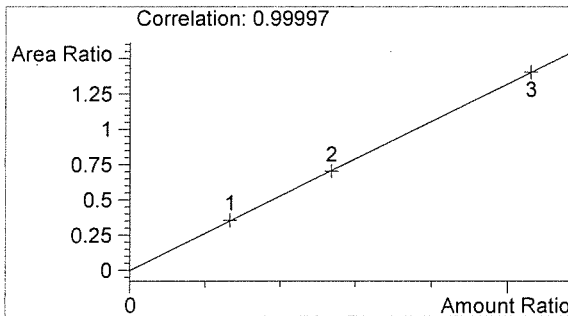
Location: Vial 16

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

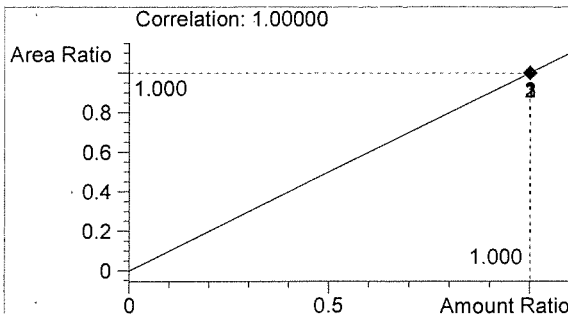
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1746	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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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: 151020LL
 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 15044

** Sequence stopped at vial 22
 due to "Alarm: Tray Locked"
 error. Sequence restarted from
 Vial 22; see data path
 151020L2 u 10-21-15*

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	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	15044 #1	SIMALC3	1	Sample		
11	Vial 11	15044 #2	SIMALC3	1	Sample		
12	Vial 12	15044 #3	SIMALC3	1	Sample		
13	Vial 13	15044 #4	SIMALC3	1	Sample		
14	Vial 14	15044 #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	15045 #1	SIMALC3	1	Sample		
18	Vial 18	15045 #2	SIMALC3	1	Sample		
19	Vial 19	15045 #3	SIMALC3	1	Sample		
20	Vial 20	15045 #4	SIMALC3	1	Sample		
21	Vial 21	15045 #5	SIMALC3	1	Sample		
22	Vial 22	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15046 #1	SIMALC3	1	Sample		

15044

Inj 10-21-15

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	15046 #2	SIMALC3	1	Sample		
26	Vial 26	15046 #3	SIMALC3	1	Sample		
27	Vial 27	15046 #4	SIMALC3	1	Sample		
28	Vial 28	15046 #5	SIMALC3	1	Sample		
29	Vial 29	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15047 #1	SIMALC3	1	Sample		
32	Vial 32	15047 #2	SIMALC3	1	Sample		
33	Vial 33	15047 #3	SIMALC3	1	Sample		
34	Vial 34	15047 #4	SIMALC3	1	Sample		
35	Vial 35	15047 #5	SIMALC3	1	Sample		
36	Vial 36	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15044

fnio2715

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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: 151020L2
 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 15044

** Restarted sequence from 10-20-15.
 One valve out for 15046 and
 15047 due to chromatography
 file reinjection data part.
 151021 u. Both sets of 15046
 and 15047 reanalyzed
 due to poor chromatography
 even though reinjection ok
 u 10-21-15*

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 22	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
2	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
3	Vial 24	15046 #1	SIMALC3	1	Sample		
4	Vial 25	15046 #2	SIMALC3	1	Sample		
5	Vial 26	15046 #3	SIMALC3	1	Sample		
6	Vial 27	15046 #4	SIMALC3	1	Sample		
7	Vial 28	15046 #5	SIMALC3	1	Sample		
8	Vial 29	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
9	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 31	15047 #1	SIMALC3	1	Sample		
11	Vial 32	15047 #2	SIMALC3	1	Sample		
12	Vial 33	15047 #3	SIMALC3	1	Sample		
13	Vial 34	15047 #4	SIMALC3	1	Sample		
14	Vial 35	15047 #5	SIMALC3	1	Sample		
15	Vial 36	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
16	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

15044
10/21/15

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
====	=====	=====	=====	=====	=====	=====	=====	=====	=====

Sequence: C:\HPCHEM\2\SEQUENCE\LLQAP2.S

Sequence Table (Back Injector):

No entries - empty table!

15044

Inop/15

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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: 151021LL

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 15044

**Reinjection of samples and
 Ctrl with back Chromatogram
 both sets of 15044 and 15047
 reanalyzed on 10.21.15
 W 10.21.15*

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
2	Vial 2	NEG CTRL	SIMALC3	1	Ctrl Samp		
3	Vial 3	15046 #2ri	SIMALC3	1	Sample		
4	Vial 4	CTRL 2- 0.10ri	SIMALC3	1	Ctrl Samp		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	15047 #5ri	SIMALC3	1	Sample		
7	Vial 7	CTRL 2- 0.10	SIMALC3	1	Ctrl Samp		
8	Vial 8	NEG CTRL	SIMALC3	1	Ctrl Samp		

*15044
 Inc 10/21/15*

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
------	----------	------------	--------	--------	--------	----	--------	----	----------

Sequence Table (Back Injector):

No entries - empty table!

W

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Calibration Table
=====

Calib. Data Modified : Tuesday, October 20, 2015 12:14:03 PM
Calculate : Internal Standard
Based on : Peak Area
Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing
Curve Type : Linear
Origin : Included
Weight : Equal
Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

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

Sample ISTD Information:

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

Signal 1: FID1 A,

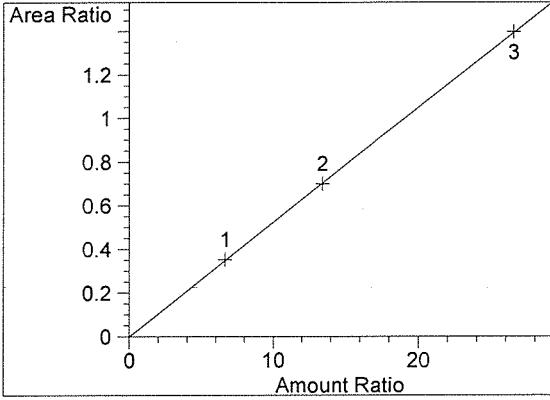
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp	Name
1.023	1 1	7.97800e-2	586.87695	1.35940e-4	1	Ethanol
	2	1.60980e-1	1158.53552	1.38951e-4		
	3	3.18440e-1	2315.86499	1.37504e-4		
1.749	1 1	1.20000e-2	1668.24829	7.19317e-6	I1	n-Propanol
	2	1.20000e-2	1656.47180	7.24431e-6		
	3	1.20000e-2	1658.14990	7.23698e-6		

15044
In 10/27/15

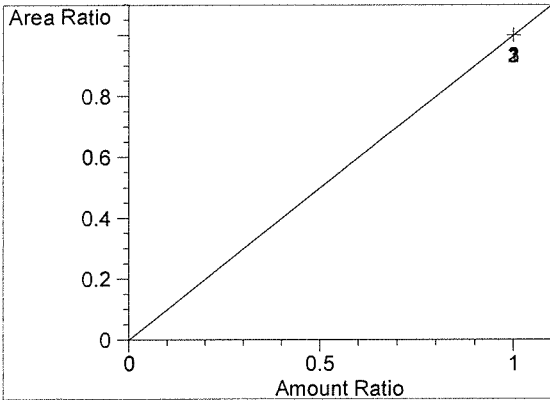
=====
Peak Sum Table
=====

No Entries in table
=====

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



Ethanol at exp. RT: 1.023
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00452
Formula: $y = mx + b$
m: 5.25763e-2
b: -5.52037e-4
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

=====
15044

In 10/27/15

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

Inj. Date: 10/20/2015 12:01:59 PM

Sample Name: Blank

Instrument: HSGC#3

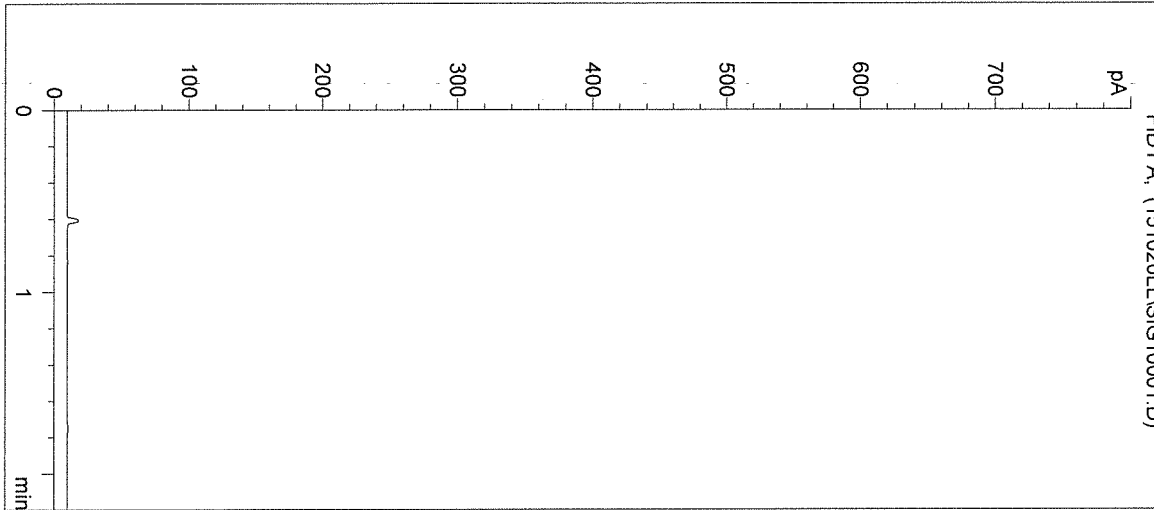
Operator: Lyndsey Lowe

Column: DB-ALC2

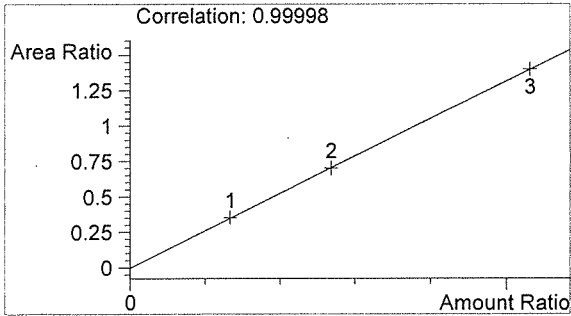
Location: Vial 1

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

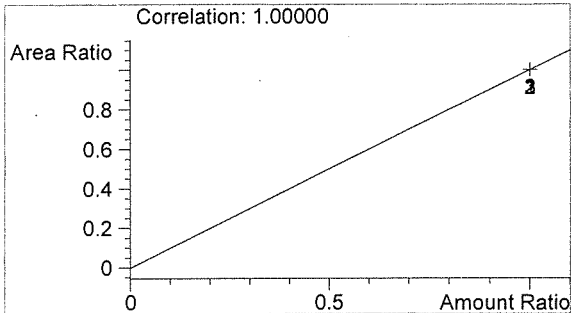
Sample Info: 15044



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

Inj. Date: 10/20/2015 12:05:16 PM

Sample Name: Cal 1 0.079

Instrument: HSGC#3

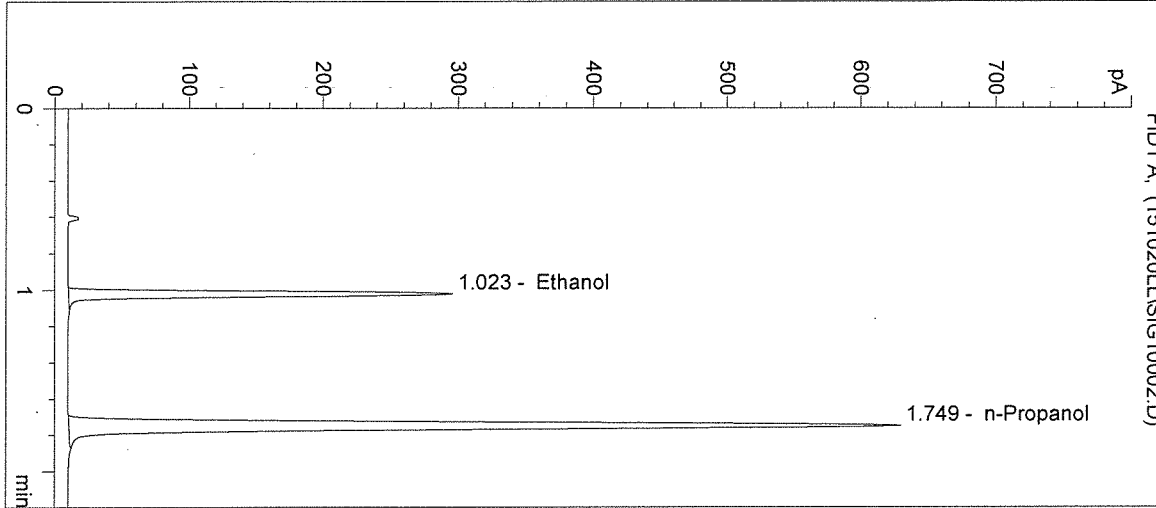
Operator: Lyndsey Lowe

Column: DB-ALC2

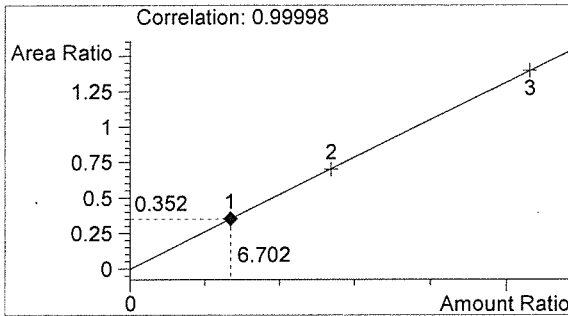
Location: Vial 2

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

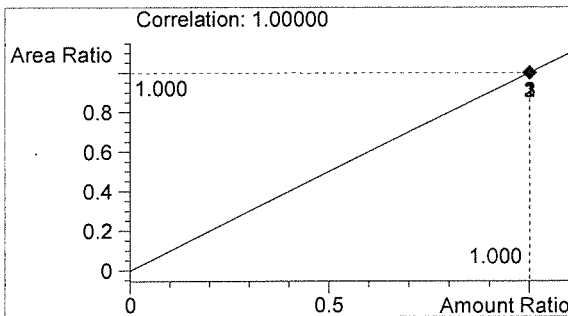
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	587	1.023
2	n-Propanol	1668	1.749



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

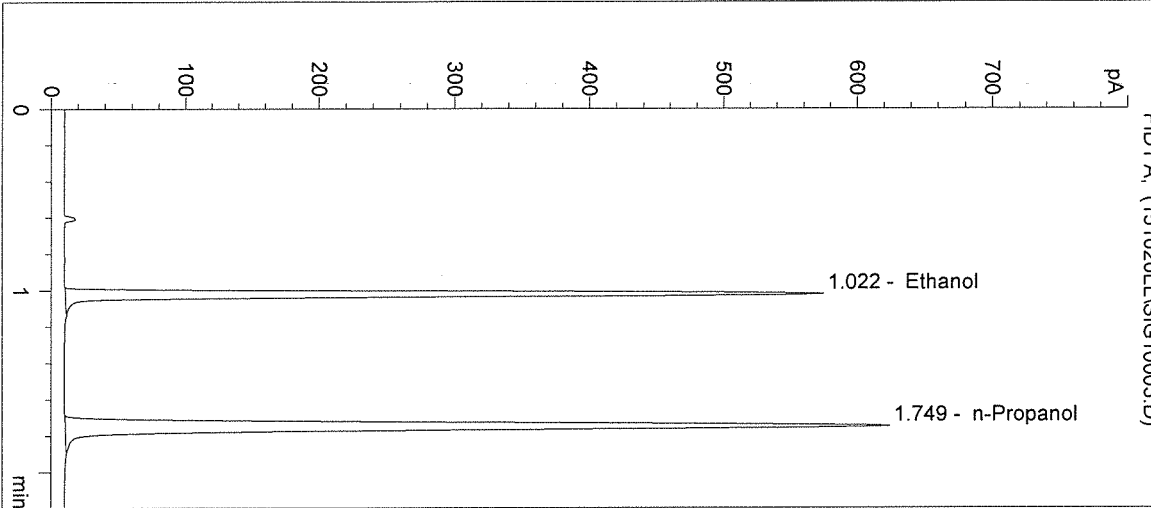
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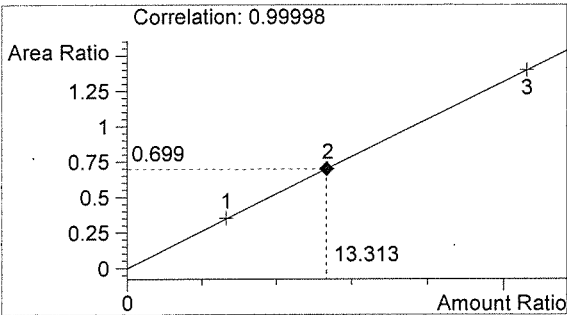
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/20/2015 12:08:33 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15044

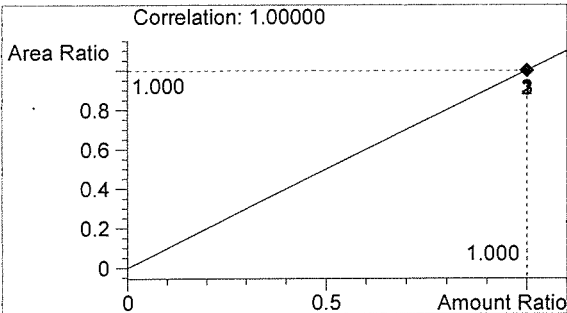
Sample Name: Cal 2 0.158
 Operator: Lyndsey Lowe
 Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1159	1.022
2	n-Propanol	1656	1.749



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

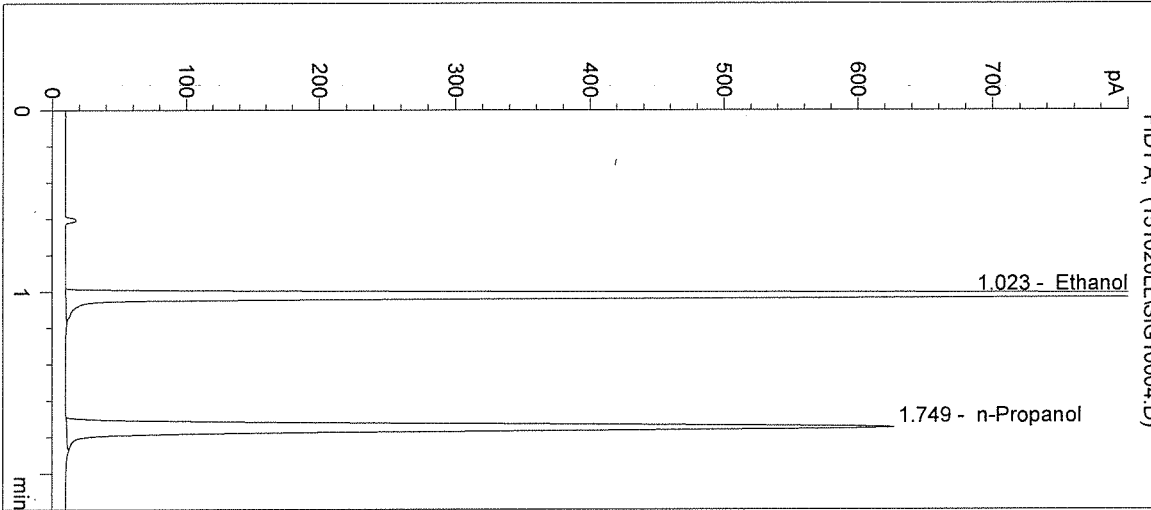
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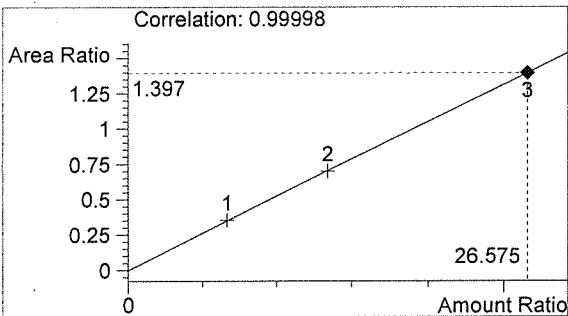
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/20/2015 12:11:50 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15044

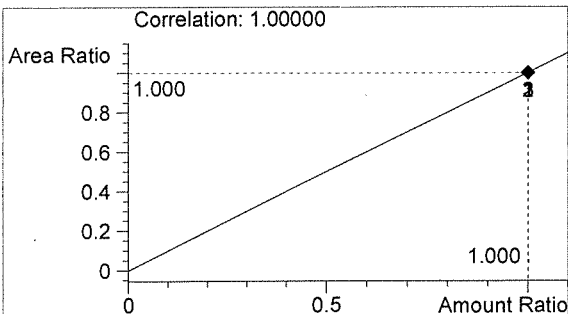
Sample Name: Cal 3 0.316
 Operator: Lyndsey Lowe
 Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2316	1.023
2	n-Propanol	1658	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: 10/20/2015 12:15:03 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

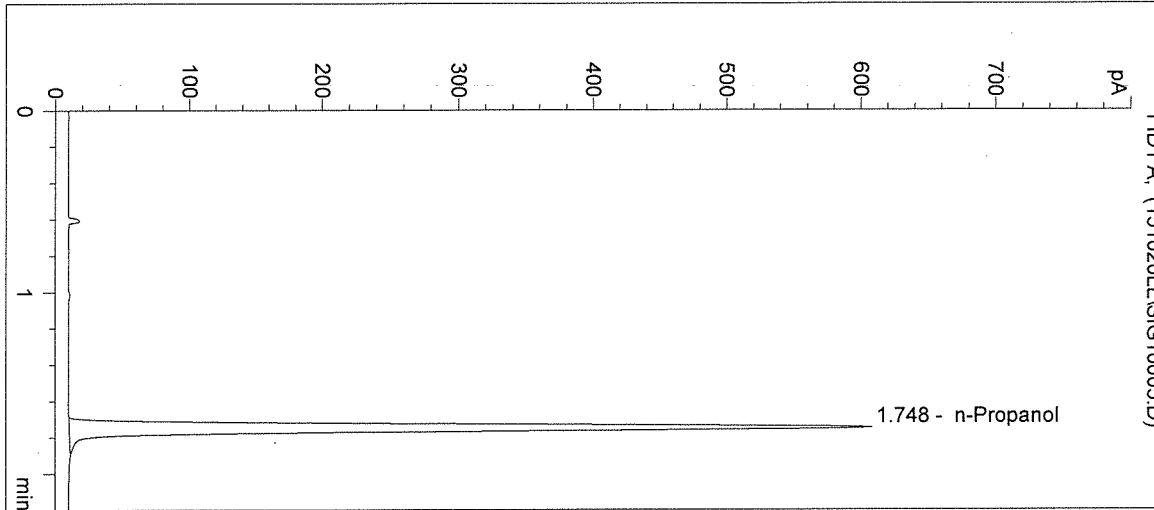
Operator: Lyndsey Lowe

Column: DB-ALC2

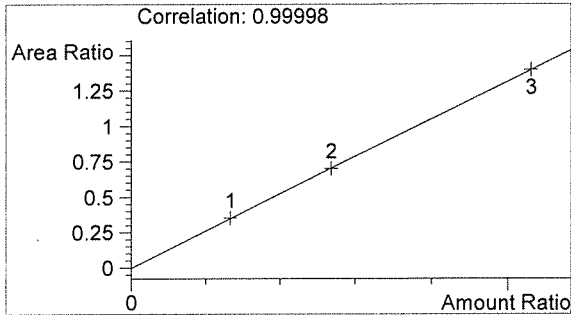
Location: Vial 5

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

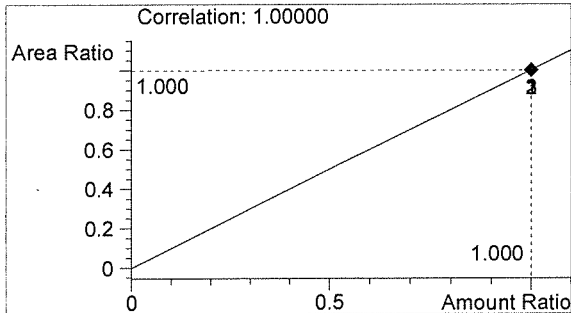
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1599	1.748



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: 10/20/2015 12:18:17 PM

Sample Name: CTRL 1- 0.04

Instrument: HSGC#3

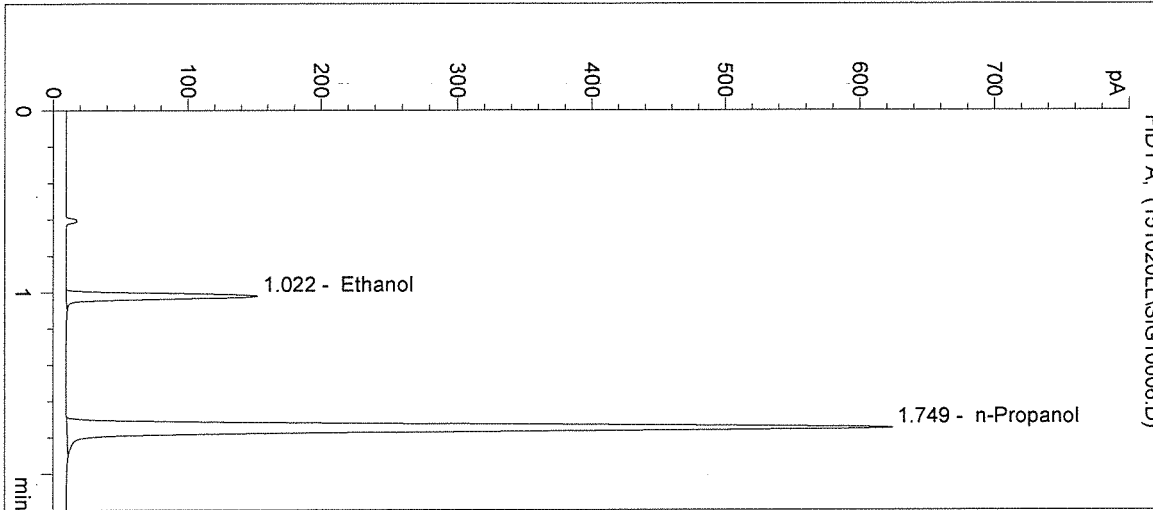
Operator: Lyndsey Lowe

Column: DB-ALC2

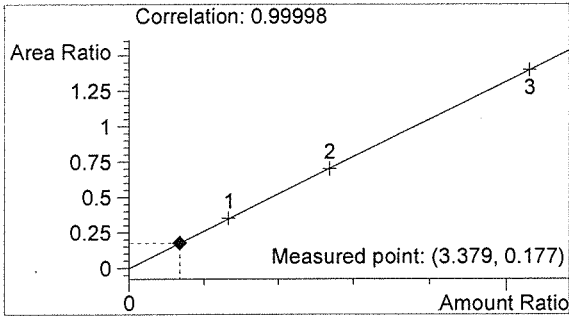
Location: Vial 6

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

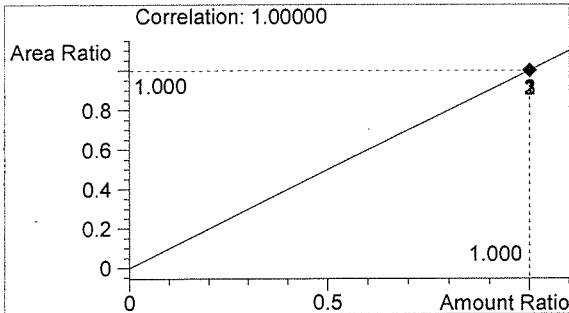
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	294	1.022
2	n-Propanol	1658	1.749



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

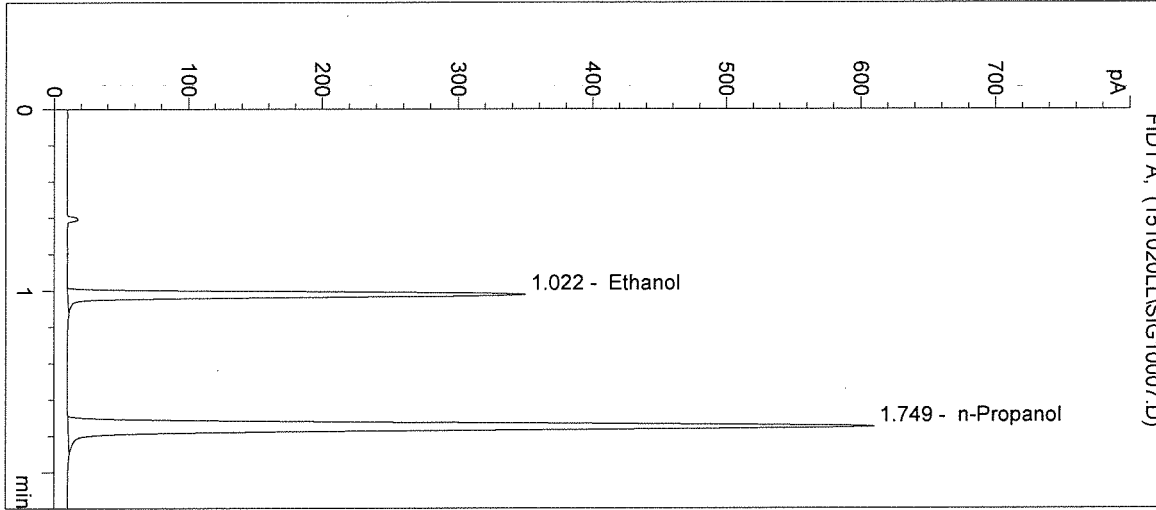
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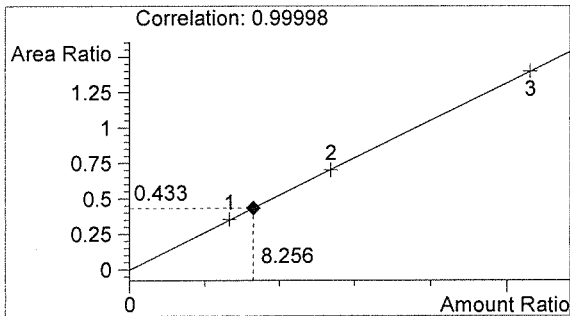
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/20/2015 12:21:31 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15044

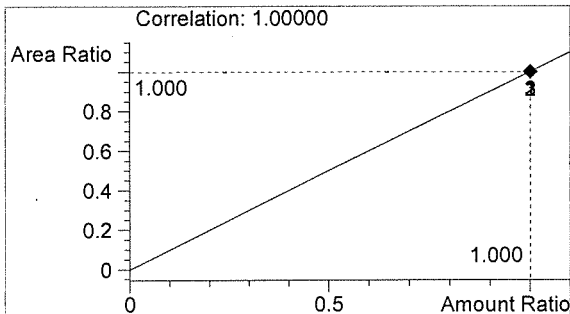
Sample Name: CTRL 2- 0.10
 Operator: Lyndsey Lowe
 Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	703	1.022
2	n-Propanol	1621	1.749



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

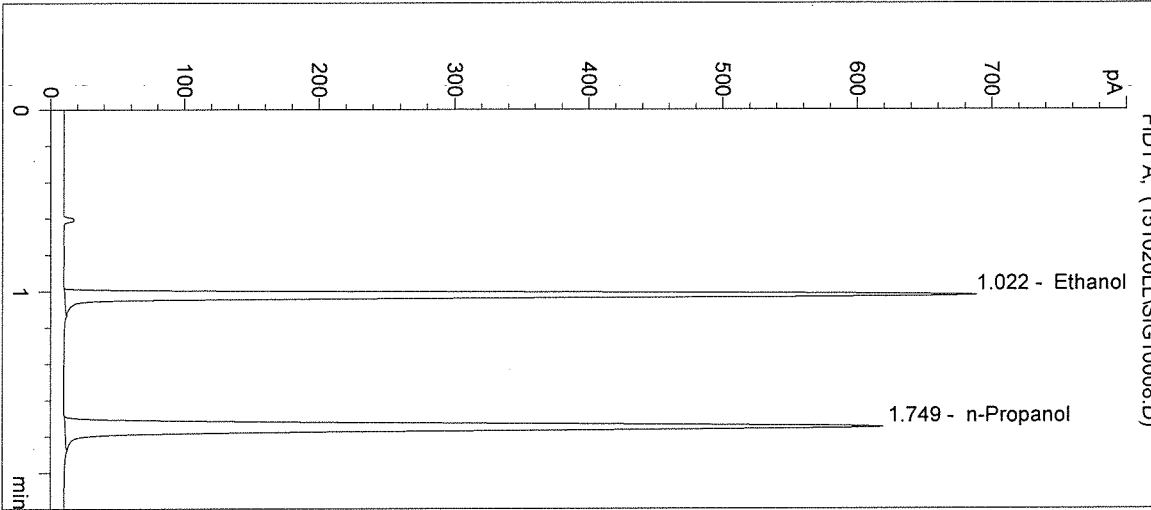
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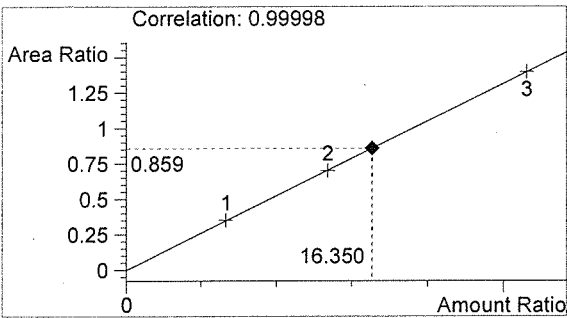
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/20/2015 12:24:44 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15044

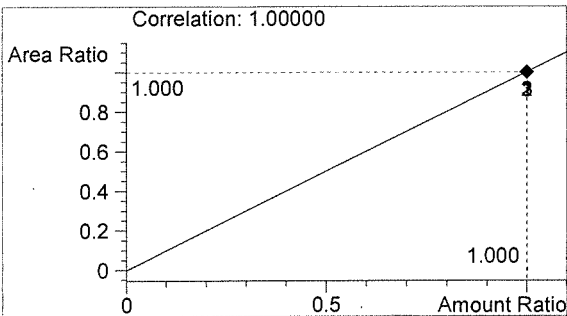
Sample Name: CTRL 3- 0.20
 Operator: Lyndsey Lowe
 Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1411	1.022
2	n-Propanol	1643	1.749



Ethanol 0.196 g/100mL



n-Propanol 0.012 g/100mL

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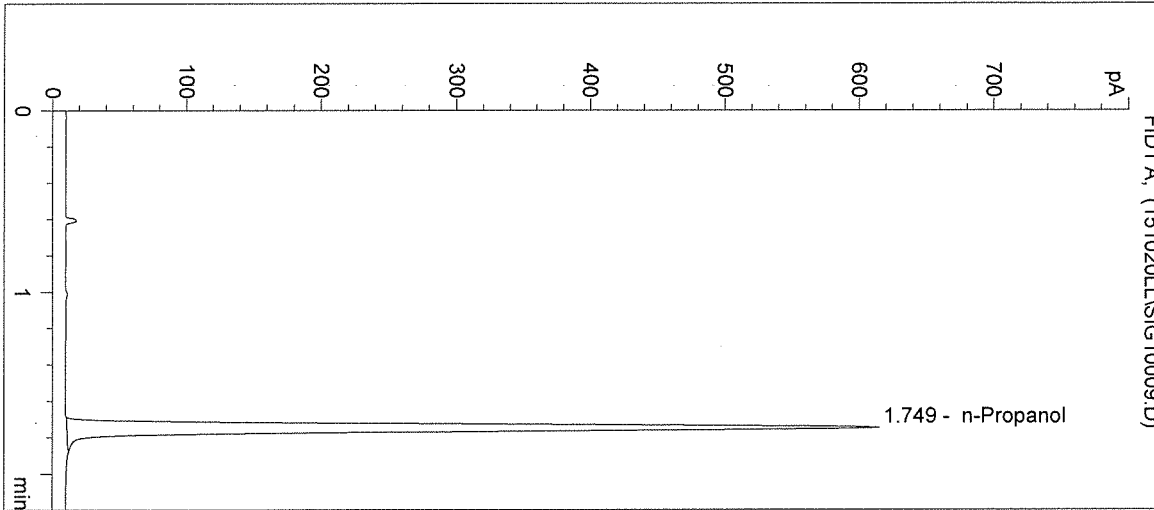
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/20/2015 12:27:57 PM
Instrument: HSGC#3

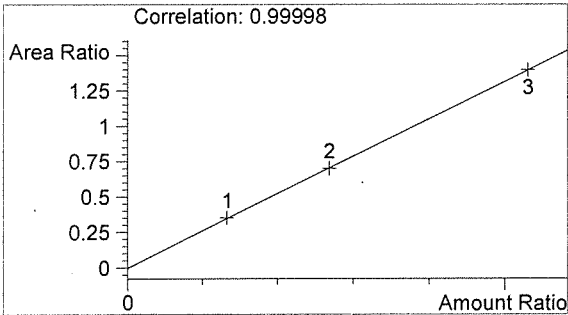
Sample Name: NEG CTRL
Operator: Lyndsey Lowe
Location: Vial 9

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

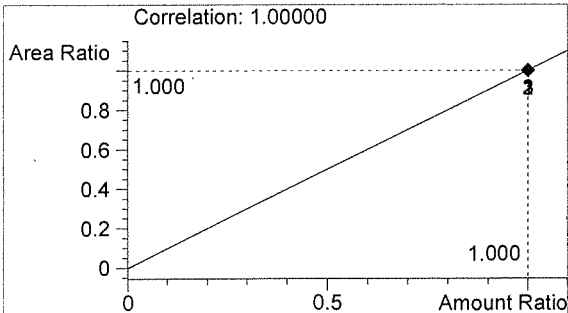
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1632	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

of

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/20/2015 12:31:10 PM

Sample Name: 15044 #1

Instrument: HSGC#3

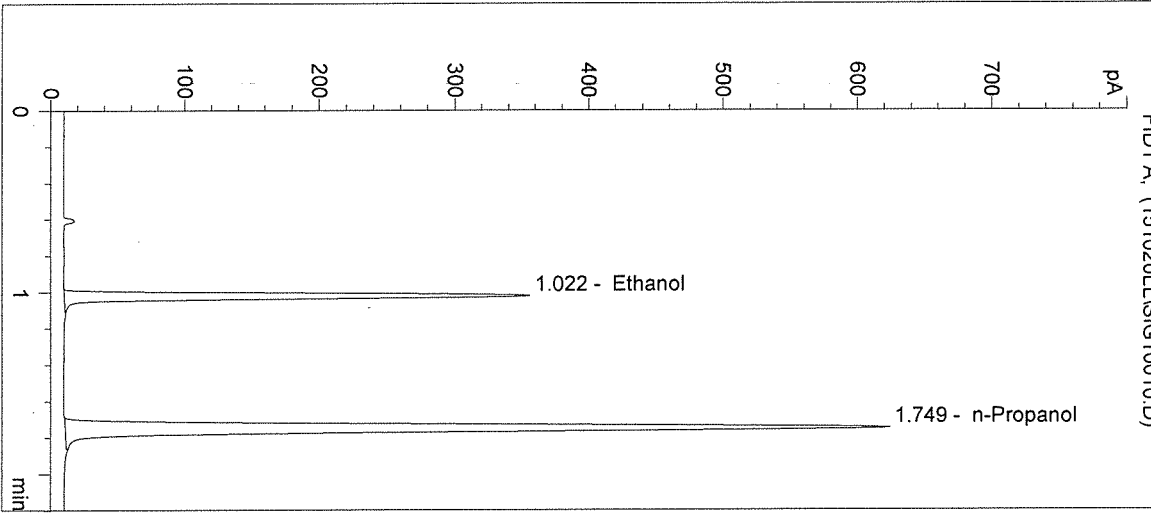
Operator: Lyndsey Lowe

Column: DB-ALC2

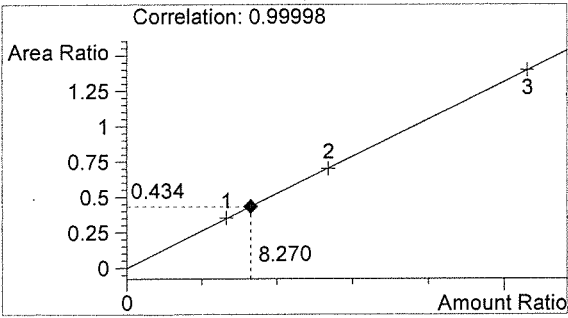
Location: Vial 10

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

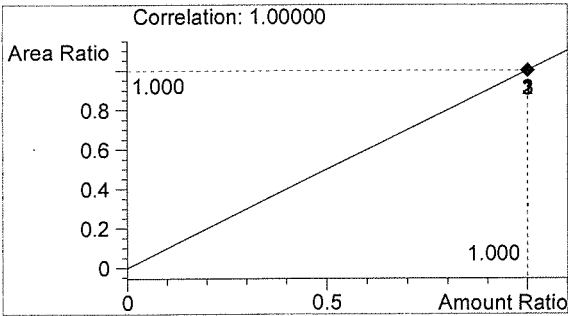
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	720	1.022
2	n-Propanol	1659	1.749



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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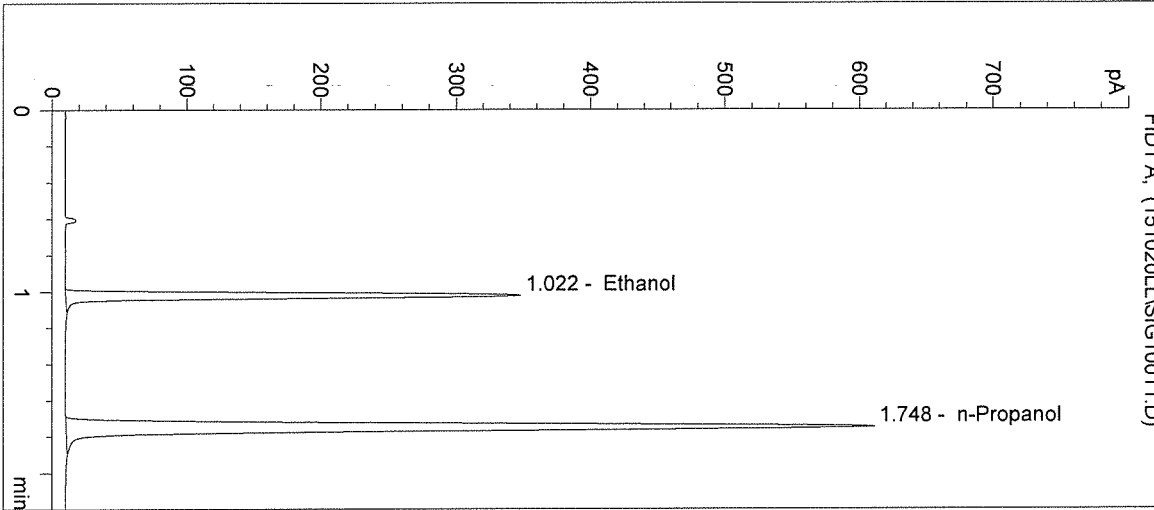
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 2203 Airport Way S Seattle, WA 98134

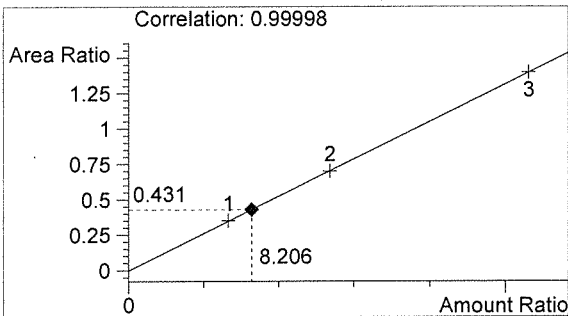
Inj. Date: 10/20/2015 12:34:24 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 15044 #2
 Operator: Lyndsey Lowe
 Location: Vial 11

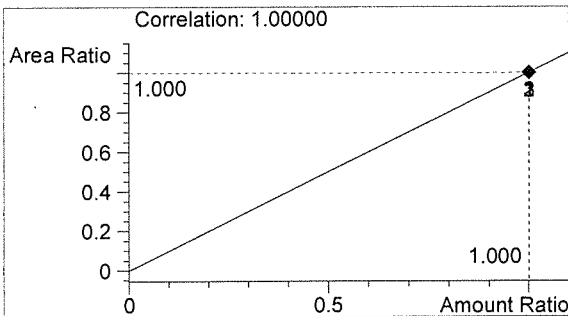
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	702	1.022
2	n-Propanol	1629	1.748



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

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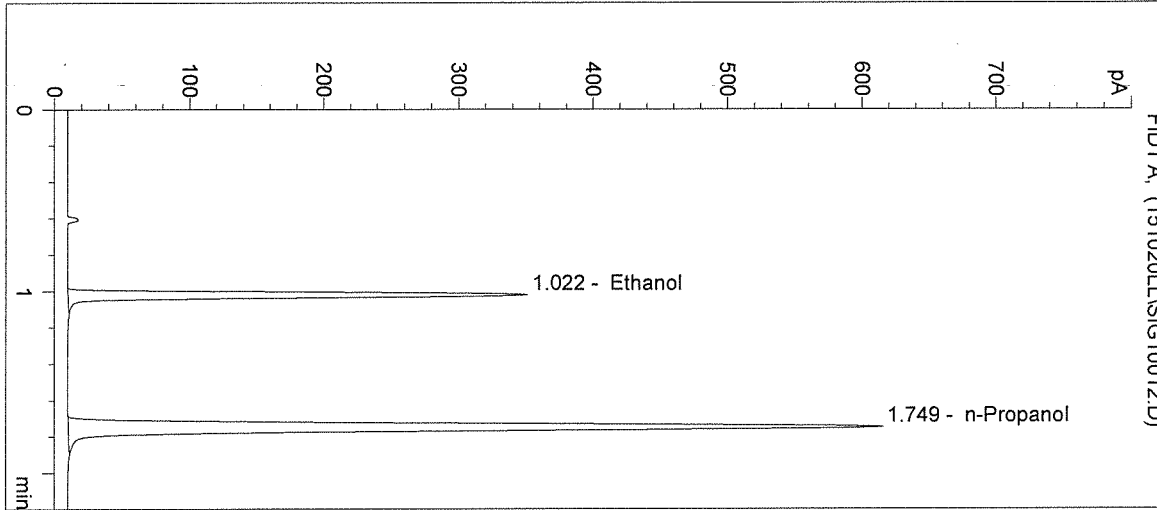
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 2203 Airport Way S Seattle, WA 98134

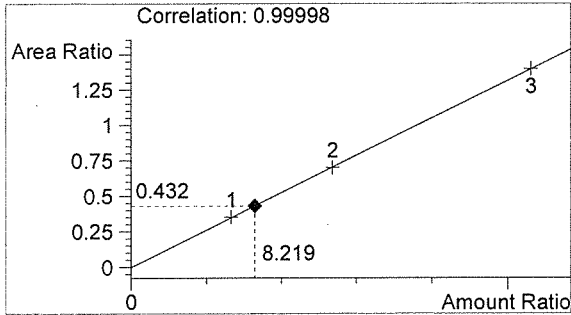
Inj. Date: 10/20/2015 12:37:37 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: 15044 #3
 Operator: Lyndsey Lowe
 Location: Vial 12

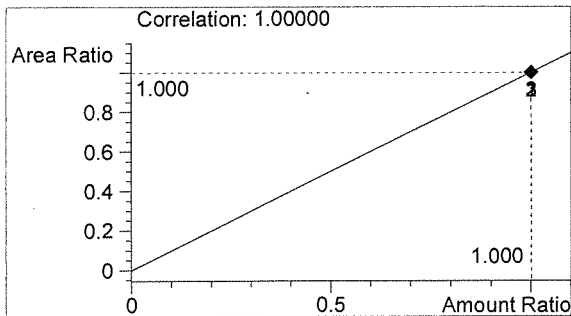
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	707	1.022
2	n-Propanol	1638	1.749



Ethanol 0.099 g/100mL



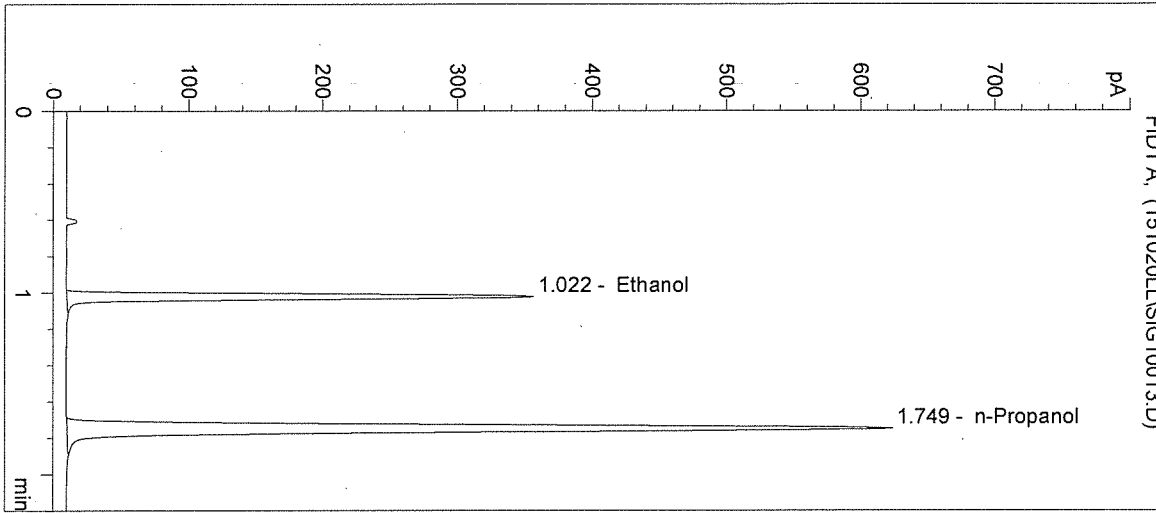
n-Propanol 0.012 g/100mL

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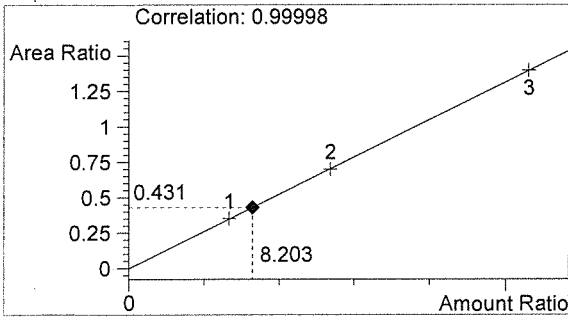
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2203 Airport Way S Seattle, WA 98134

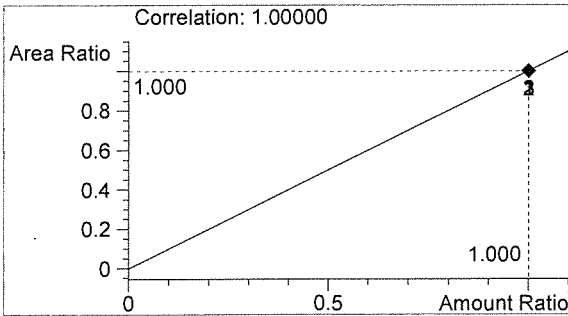
Inj. Date: 10/20/2015 12:40:51 PM Sample Name: 15044 #4
Instrument: HSGC#3 Operator: Lyndsey Lowe
Column: DB-ALC2 Location: Vial 13
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	713	1.022
2	n-Propanol	1656	1.749



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

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A stylized signature or initials 'L' and 'W' are present on the right side of the page.

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

Inj. Date: 10/20/2015 12:44:04 PM

Sample Name: 15044 #5

Instrument: HSGC#3

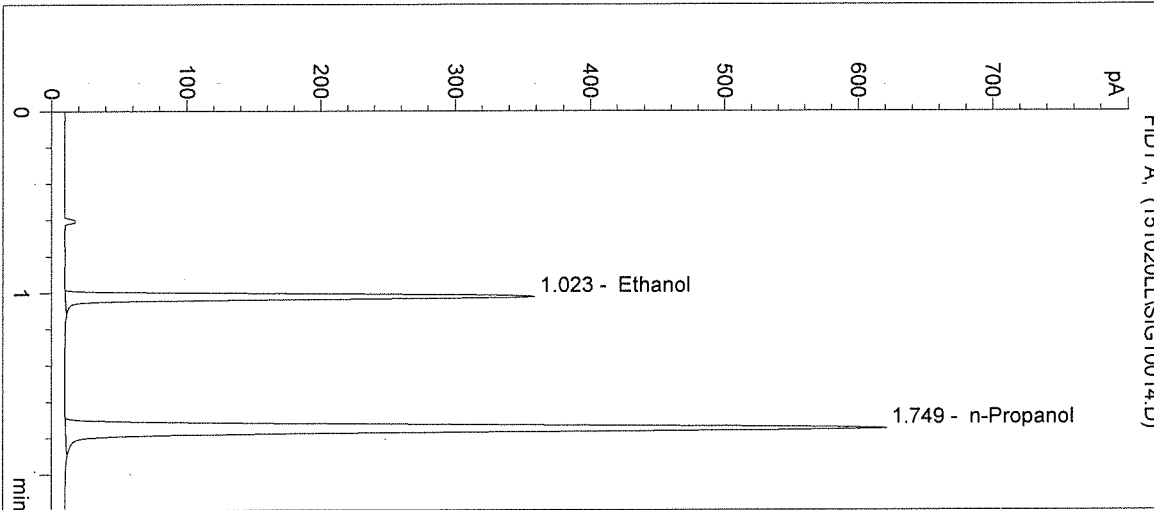
Operator: Lyndsey Lowe

Column: DB-ALC2

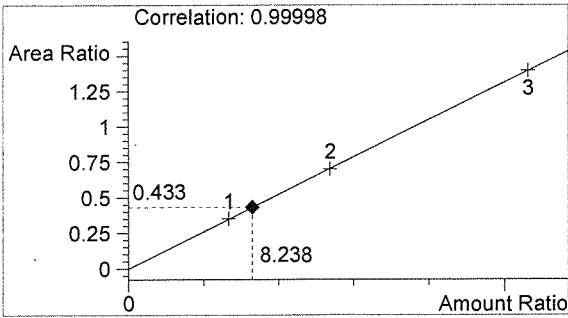
Location: Vial 14

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

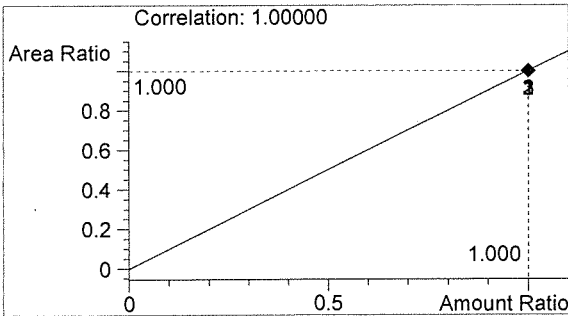
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	714	1.023
2	n-Propanol	1650	1.749



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

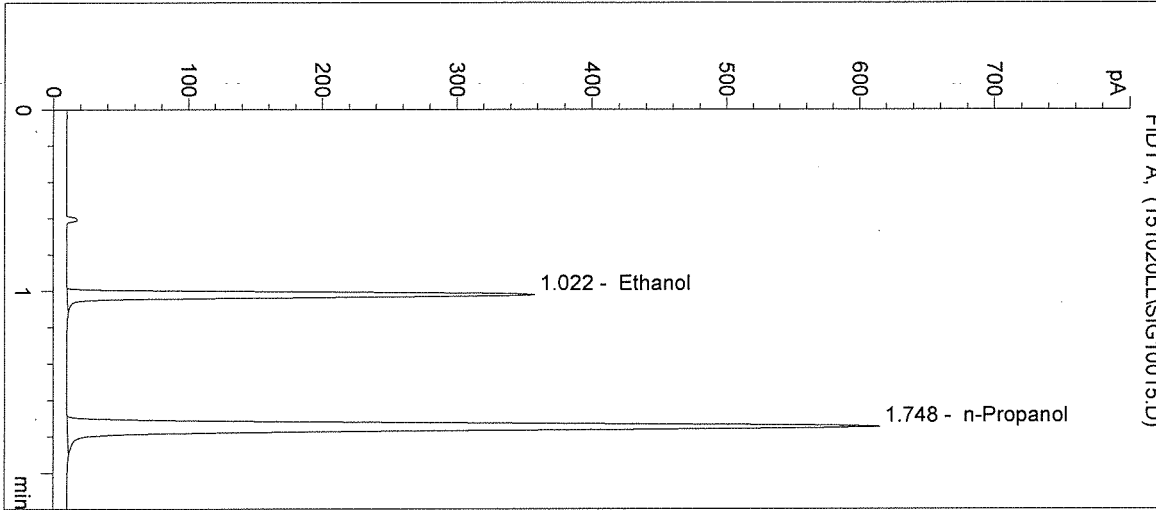
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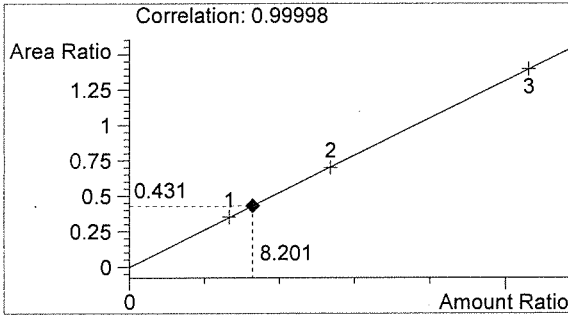
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/20/2015 12:47:17 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: 15044

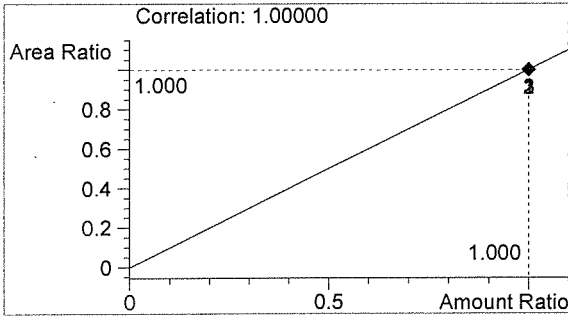
Sample Name: CTRL 2- 0.10
 Operator: Lyndsey Lowe
 Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	704	1.022
2	n-Propanol	1636	1.748



Ethanol 0.098 g/100mL



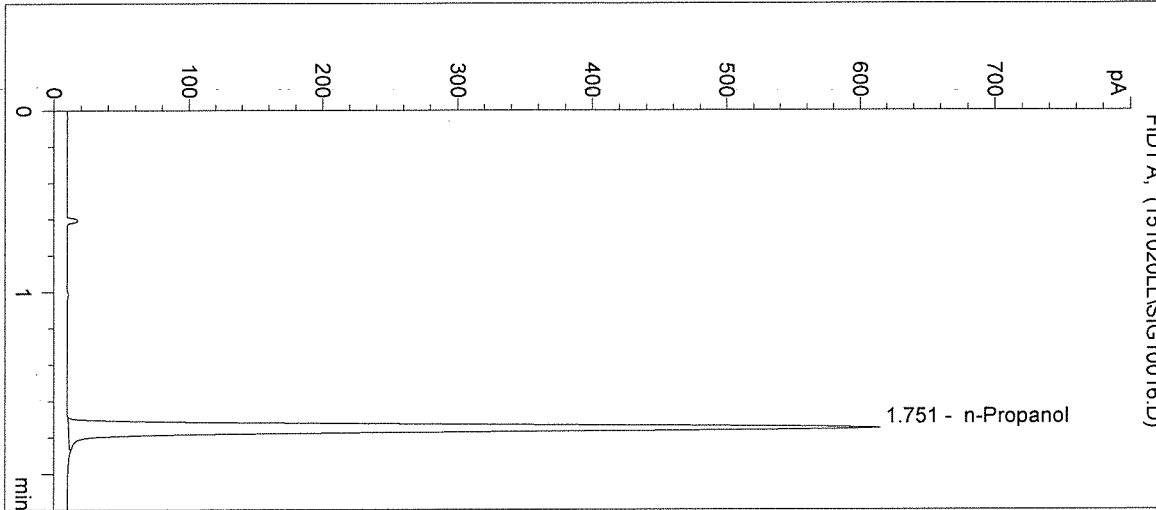
n-Propanol 0.012 g/100mL

Handwritten mark

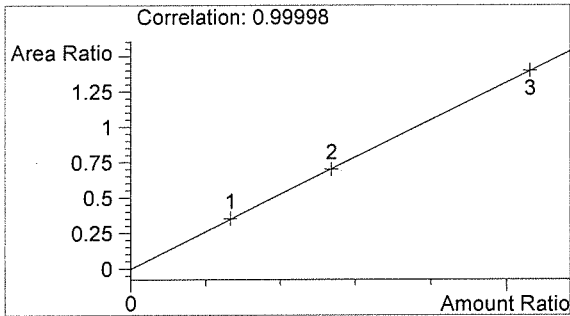
Handwritten mark

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

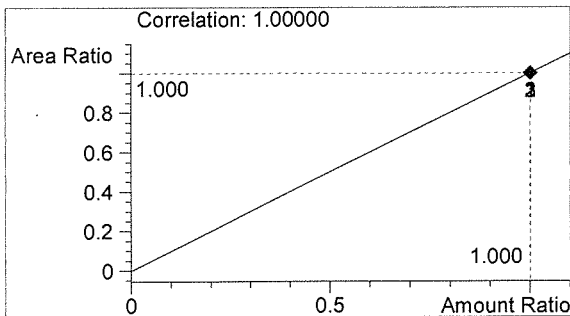
Inj. Date: 10/20/2015 12:50:31 PM Sample Name: NEG CTRL
Instrument: HSGC#3 Operator: Lyndsey Lowe
Column: DB-ALC2 Location: Vial 16
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15044



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1624	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten mark