



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15048

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.04 g/210L
DATE PREPARED: 10/28/2015
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	DN	RF
1	0.049	0.050	0.049
2	0.049	0.051	0.049
3	0.049	0.050	0.049
4	0.049	0.050	0.050
5	0.049	0.050	0.049
C	0.102	0.102	0.104

ETHANOL CONTROL INFORMATION

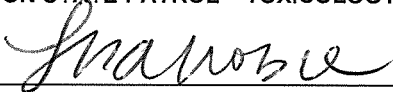
LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0495 g/100mL PRECISION CV (%): 1.29
STANDARD DEVIATION: 0.00064 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0402 g/210L**
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION


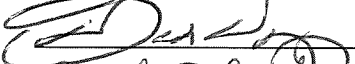
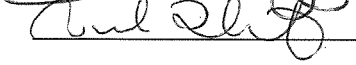


Lisa Noble Forensic Scientist Supervisor

11/12/15

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		10/28/2015
DN	David Nguyen		10/29/2015
RF	Rebecca Flaherty		11/03/2015

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 #: 15048

Date Prepared: 10/28/2015

Analyst:	AJL	DN	RF
Date Tested:	10/28/2015	10/29/2015	11/3/2015
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.049	0.050	0.049
2	0.049	0.051	0.049
3	0.049	0.050	0.049
4	0.049	0.050	0.050
5	0.049	0.050	0.049
C	0.102	0.102	0.104

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000111574	0.0000421656	0.0001016326

Ethanol Control Lot #: FN08051301

Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0495 g/100mL
 Standard Deviation: 0.00064 g/100mL
 Precision CV (%): 1.29
 Equivalent Vapor Concentration: 0.0402 g/210L
 Combined Standard Uncertainty (\pm): 0.0005 g/210L
 Expanded Uncertainty (\pm): 0.0010 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 11/5/15
 Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 11-9-15
 Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 11/5/15
 Name Signature Date

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 11-9-15

Location: WSP-FLSB Seattle, WA Solution Batch Number: 15048

	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: _____

11-9-15



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	10/17/10
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	11/5/15
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty	RF	11-5-15

Batch # 15048 Analysis

fr

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15048**

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 15048, was prepared in the Washington State Toxicology Laboratory on 10/28/2015. 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 10/28/2016.

Seattle, WA



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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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15048**

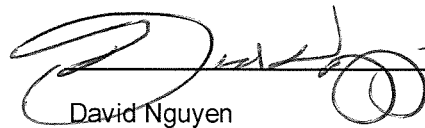
I, David Nguyen, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 15048, was prepared in the Washington State Toxicology Laboratory on 10/28/2015. 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 10/28/2016.

Seattle, WA

 - 11/5/15
Date

David Nguyen

Forensic Scientist

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15048**

I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 15048, was prepared in the Washington State Toxicology Laboratory on 10/28/2015. 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 10/28/2016.

Seattle, WA

 11-5-15

Rebecca Flaherty

Date

Forensic Scientist



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

Preparation Date: 20151028 Expiration Date: 20161028 Initials of Preparer: AL

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

Date the 200-proof Ethanol bottle was opened: 20150616

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>15048</u>
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 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

20151028
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

20151028
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: 151028A1
 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 15048

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 15048 #1	SIMALC3	1	Sample		
11	Vial 11	qap0.04 15048 #2	SIMALC3	1	Sample		
12	Vial 12	qap0.04 15048 #3	SIMALC3	1	Sample		
13	Vial 13	qap0.04 15048 #4	SIMALC3	1	Sample		
14	Vial 14	qap0.04 15048 #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		

15048
fn 11/15/15

Q

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

Sequence Table (Back Injector):

No entries - empty table!

15048

Snulstis

A

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Calibration Table
=====

Calib. Data Modified : Wednesday, October 28, 2015 9:28:15 AM
Calculate : Internal Standard
Based on : Peak Area
Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing
Curve Type : Linear
Origin : Included
Weight : Equal
Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp	Name
1.023	1 1	7.97800e-2	588.54523	1.35555e-4	1	Ethanol
		2 1.60980e-1	1171.90002	1.37367e-4		
		3 3.18440e-1	2264.52271	1.40621e-4		
1.750	1 1	1.20000e-2	1674.40674	7.16672e-6	I1	n-Propanol
		2 1.20000e-2	1675.66943	7.16132e-6		
		3 1.20000e-2	1631.18237	7.35663e-6		

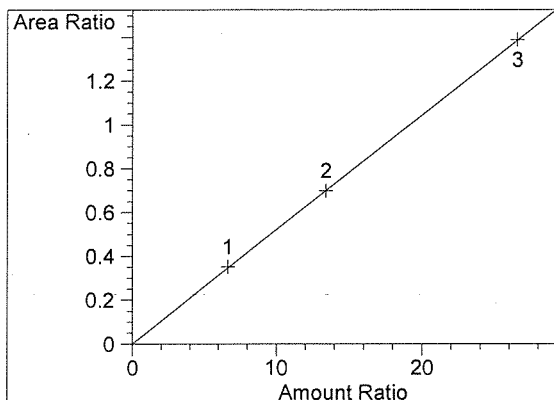
15048
Jm11/5/15

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

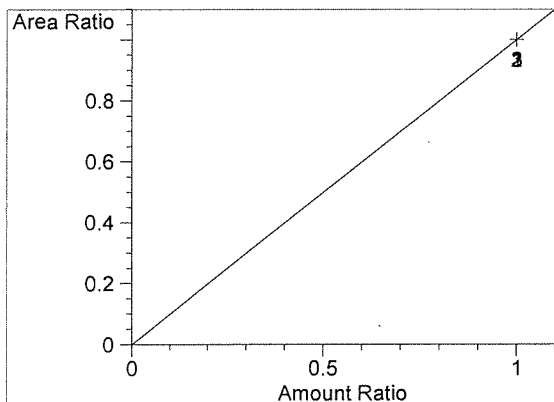
No Entries in table
=====

DA

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



Ethanol at exp. RT: 1.023
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00299
Formula: $y = mx + b$
m: 5.22562e-2
b: 9.97674e-4
x: Amount Ratio
y: Area Ratio



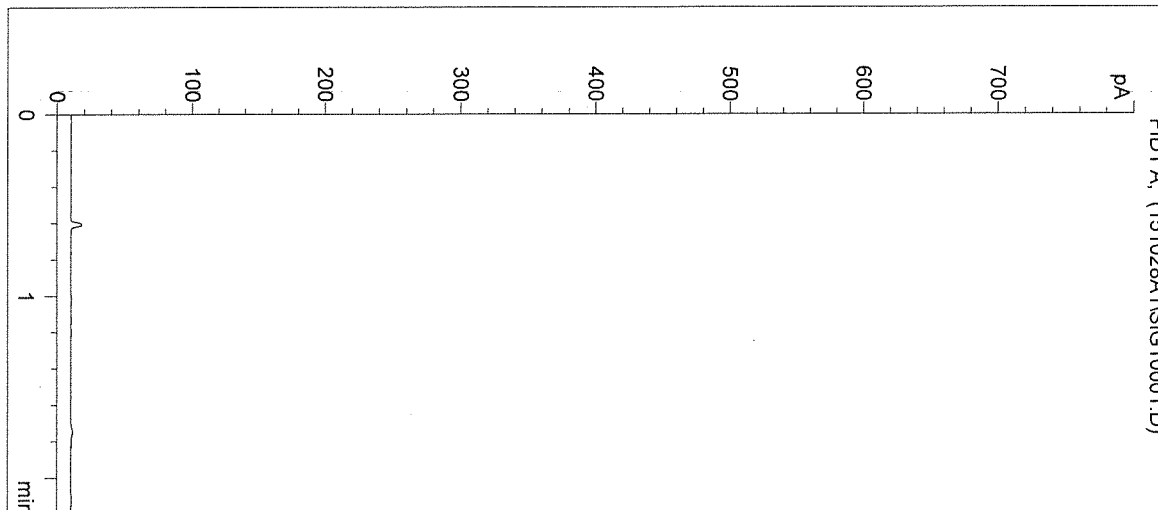
n-Propanol at exp. RT: 1.750
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

15048
Analysis

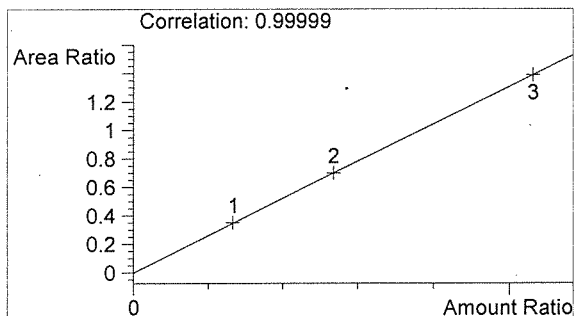
Handwritten mark

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2203 Airport Way S Seattle, WA 98134

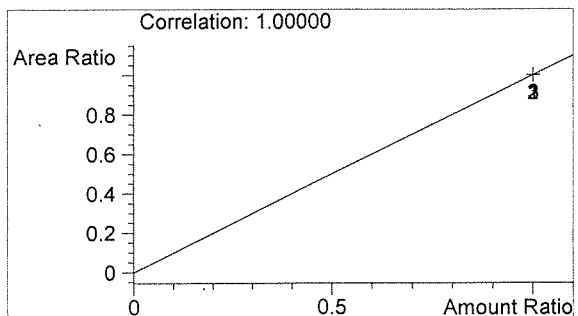
Inj. Date: 10/28/2015 9:16:10 AM Sample Name: blank
Instrument: HSGC#3 Operator: asa louis
Column: DB-ALC2 Location: Vial 1
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: qap 15048



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

fn

Q

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

Inj. Date: 10/28/2015 9:19:28 AM

Sample Name: 0.079 cal 1

Instrument: HSGC#3

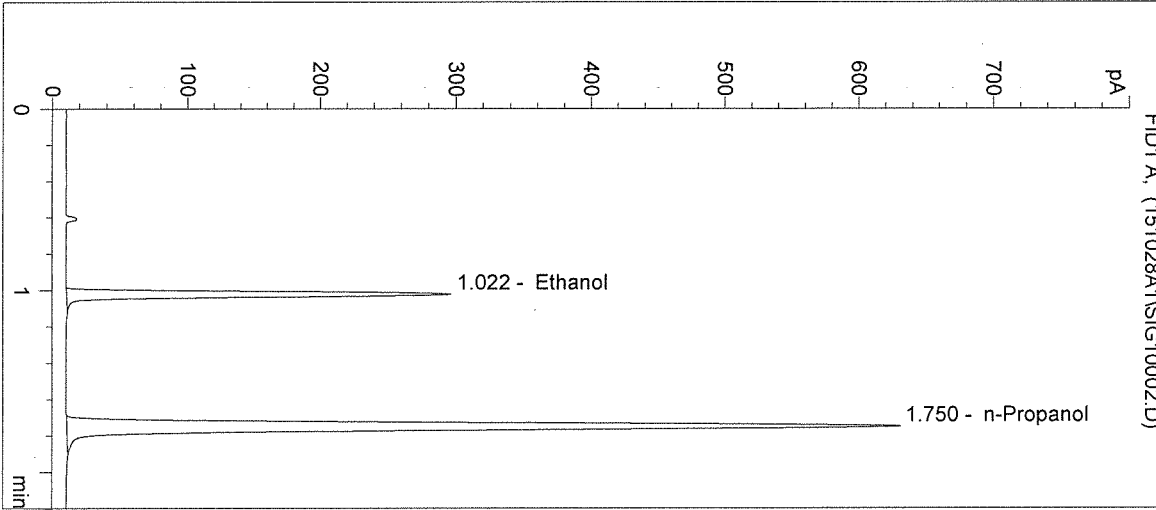
Operator: asa louis

Column: DB-ALC2

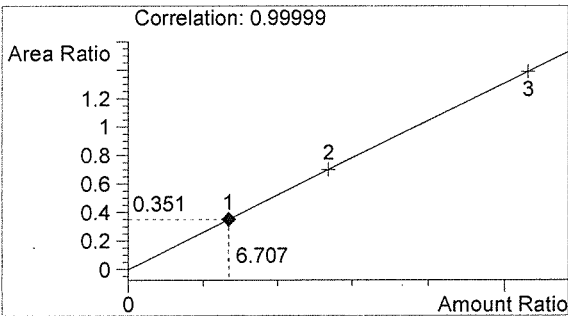
Location: Vial 2

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

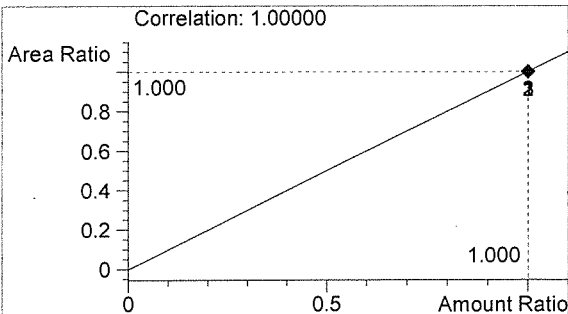
Sample Info: gap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	589	1.022
2	n-Propanol	1674	1.750



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/28/2015 9:22:46 AM

Sample Name: 0.158 cal 2

Instrument: HSGC#3

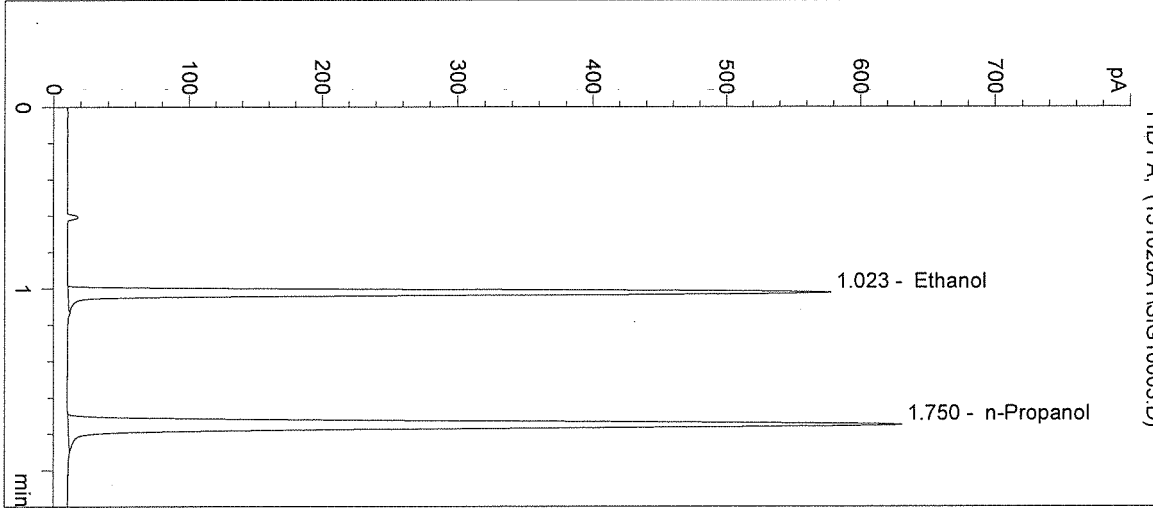
Operator: asa louis

Column: DB-ALC2

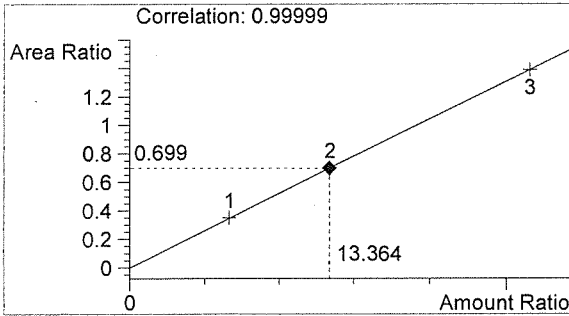
Location: Vial 3

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

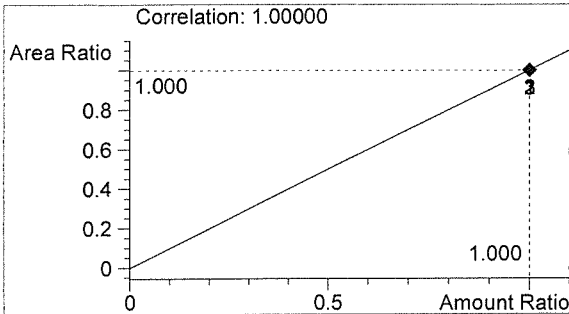
Sample Info: gap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	1172	1.023
2	n-Propanol	1676	1.750



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/28/2015 9:26:02 AM

Sample Name: 0.316 cal 3

Instrument: HSGC#3

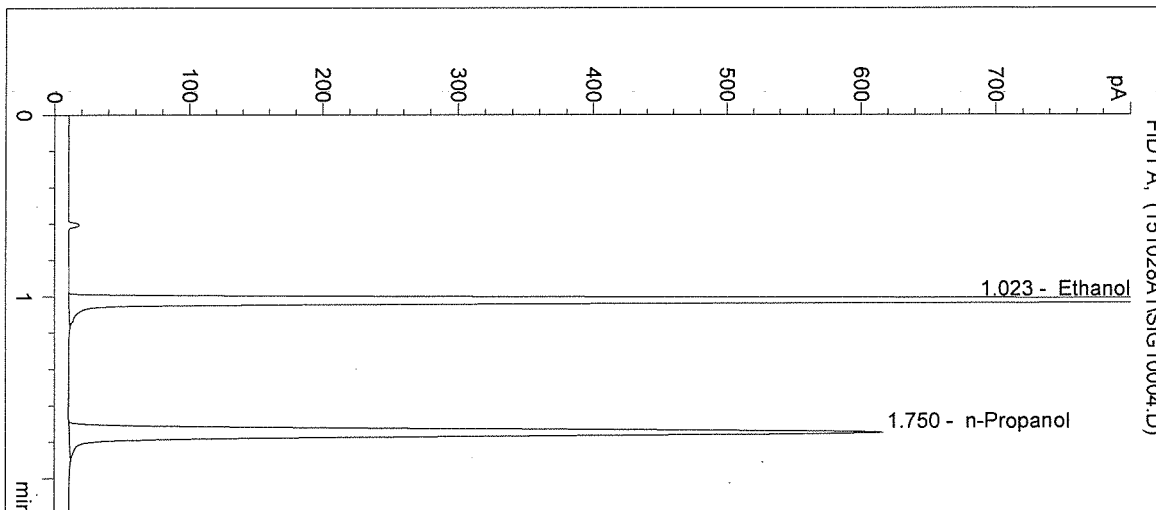
Operator: asa louis

Column: DB-ALC2

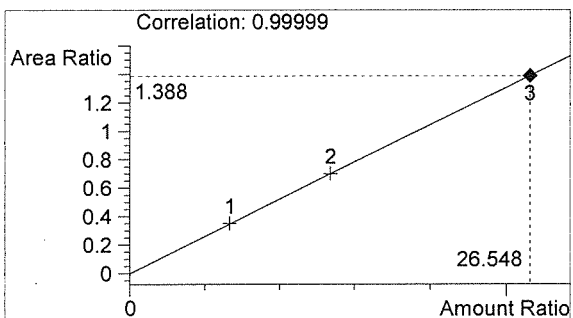
Location: Vial 4

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

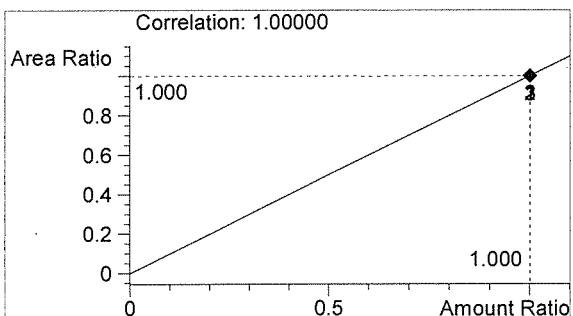
Sample Info: qap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	2265	1.023
2	n-Propanol	1631	1.750



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/28/2015 9:29:16 AM

Sample Name: neg ctrl - al

Instrument: HSGC#3

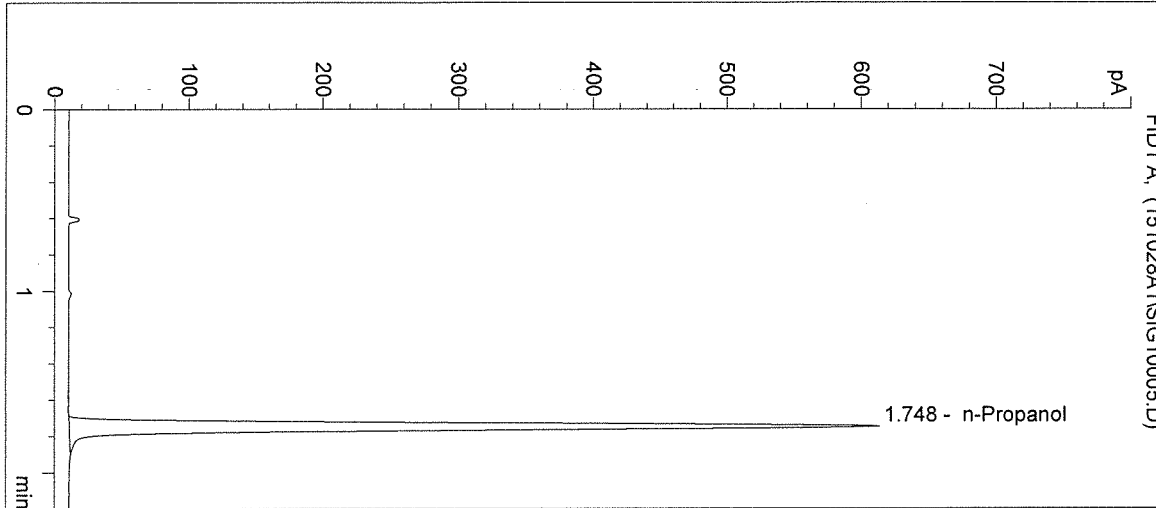
Operator: asa louis

Column: DB-ALC2

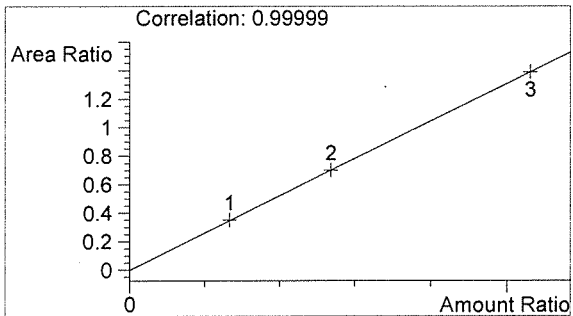
Location: Vial 5

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

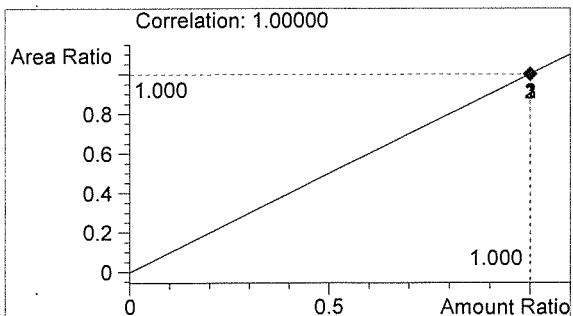
Sample Info: qap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1628	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

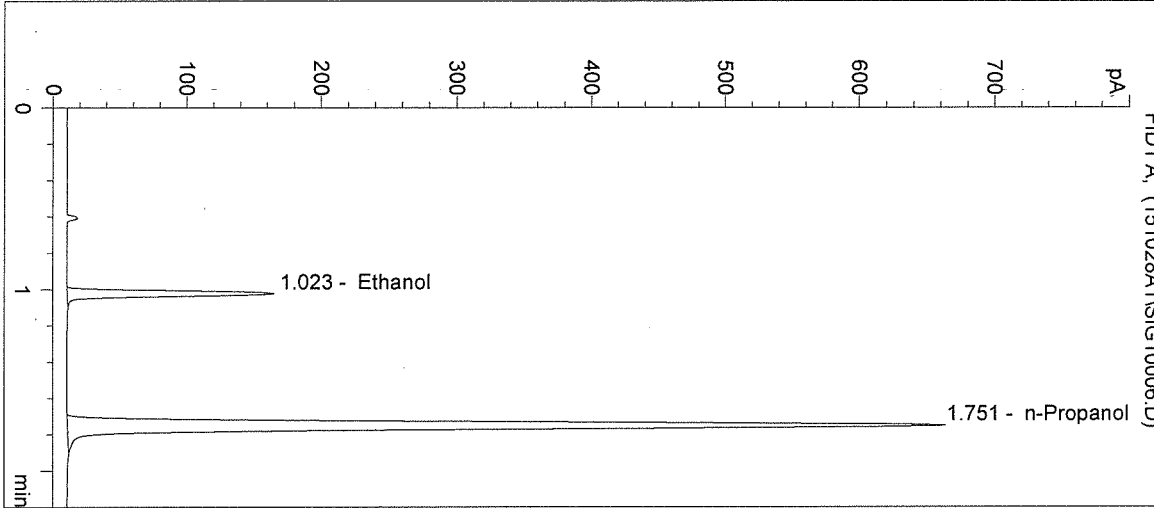
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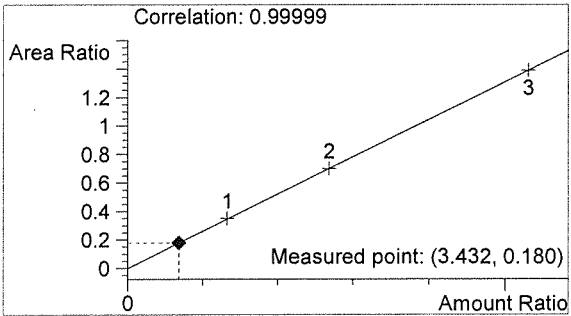
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/28/2015 9:32:30 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: gap 15048

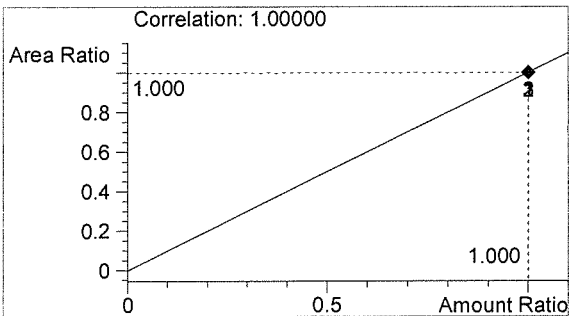
Sample Name: 0.04 ctrl - al
Operator: asa louis
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	318	1.023
2	n-Propanol	1764	1.751



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

Handwritten initials/signature

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/28/2015 9:35:43 AM

Sample Name: 0.10 ctrl - al

Instrument: HSGC#3

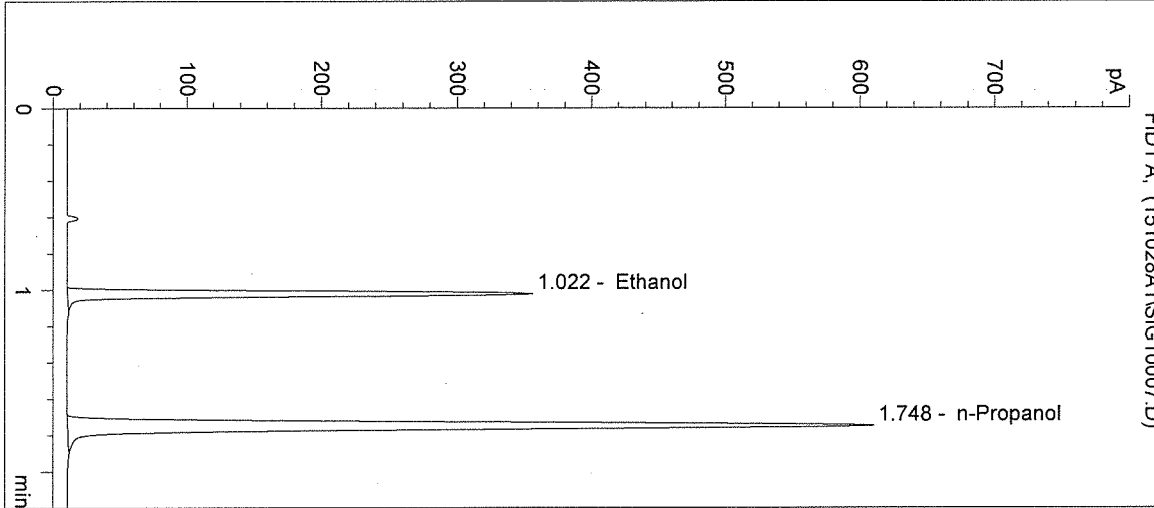
Operator: asa louis

Column: DB-ALC2

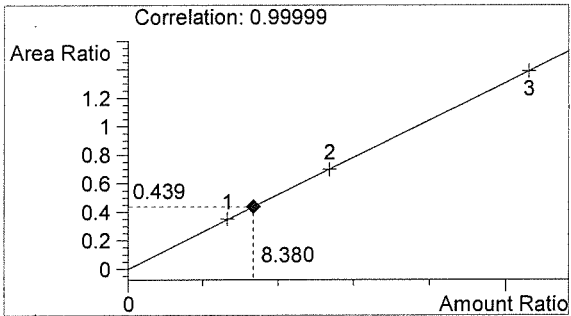
Location: Vial 7

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

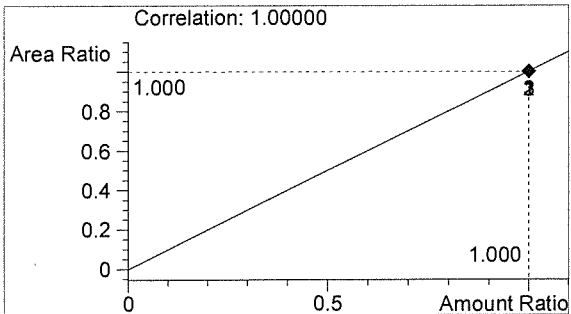
Sample Info: gap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	711	1.022
2	n-Propanol	1620	1.748



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

fr

AL

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

Inj. Date: 10/28/2015 9:38:57 AM

Sample Name: 0.20 ctrl - al

Instrument: HSGC#3

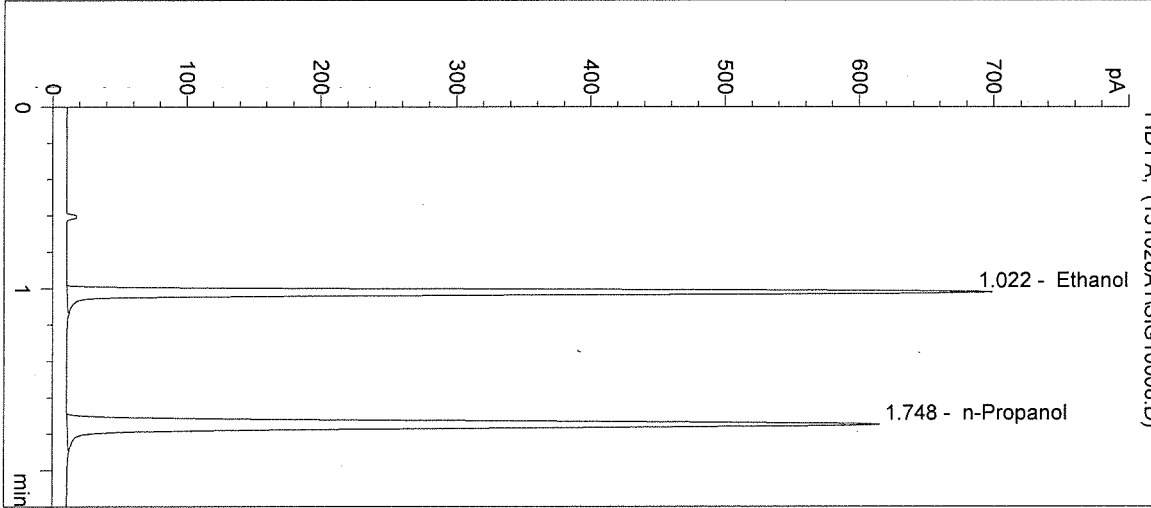
Operator: asa louis

Column: DB-ALC2

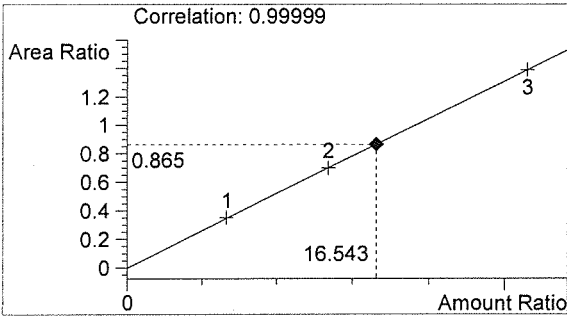
Location: Vial 8

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

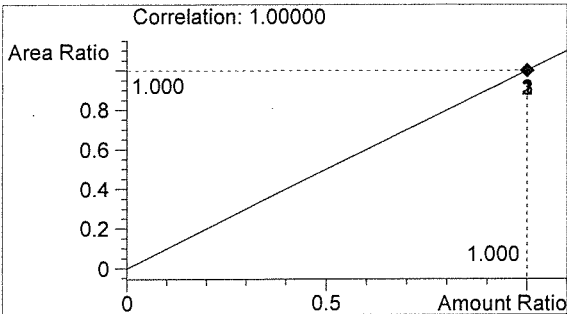
Sample Info: qap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	1412	1.022
2	n-Propanol	1631	1.748



Ethanol 0.199 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signatures and initials.

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

Inj. Date: 10/28/2015 9:42:10 AM

Sample Name: neg ctrl - al

Instrument: HSGC#3

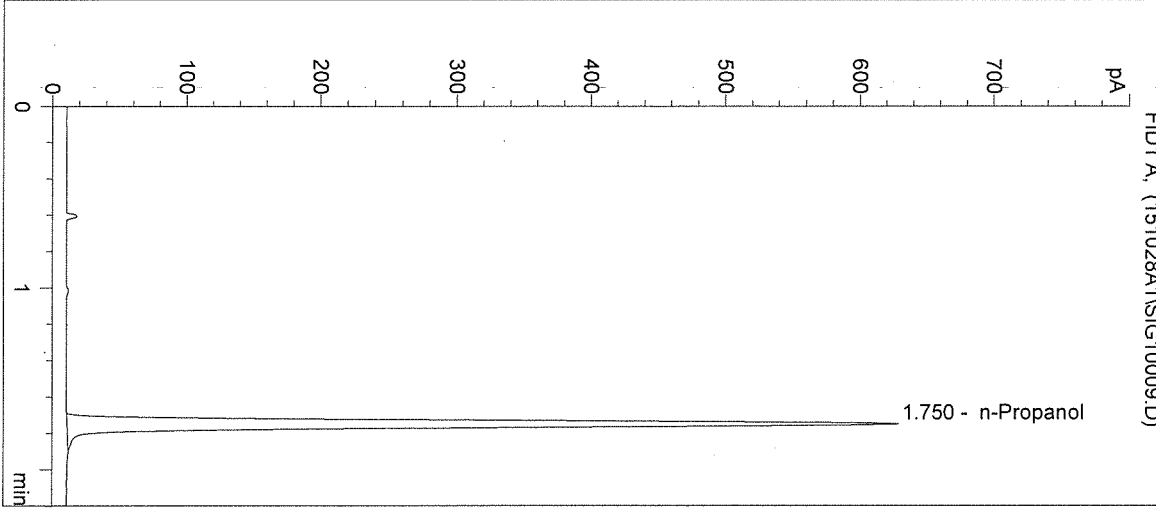
Operator: asa louis

Column: DB-ALC2

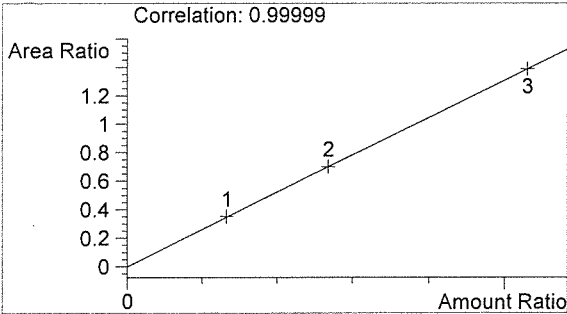
Location: Vial 9

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

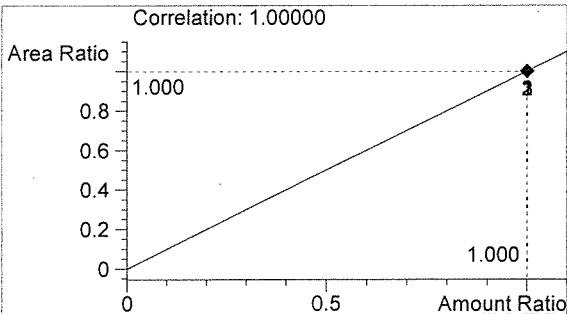
Sample Info: qap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1664	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Handwritten mark

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

Inj. Date: 10/28/2015 9:45:23 AM

Sample Name: gap0.04 15048 #1

Instrument: HSGC#3

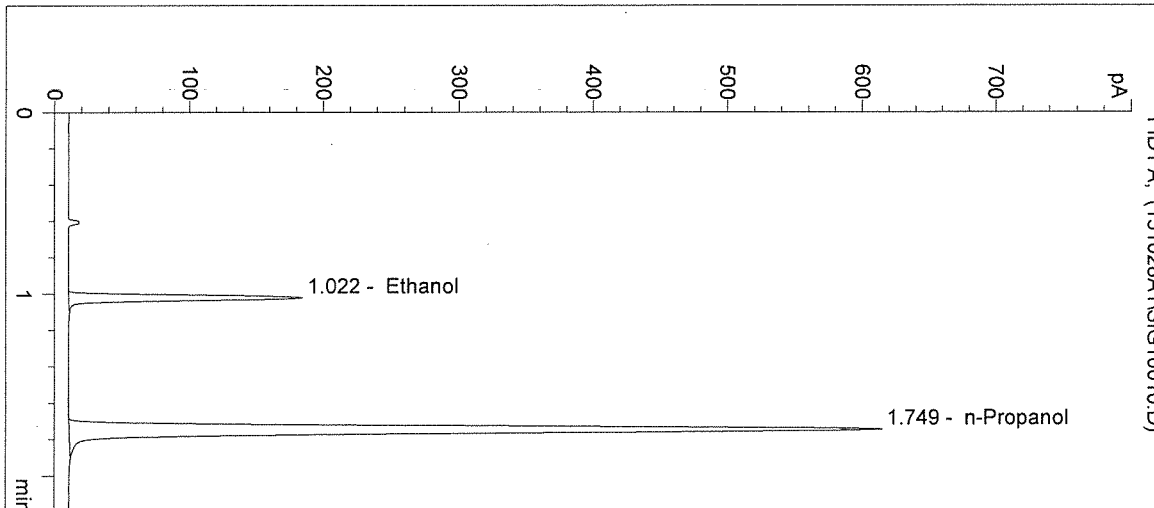
Operator: asa louis

Column: DB-ALC2

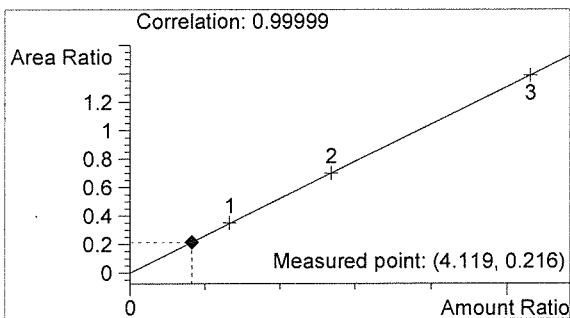
Location: Vial 10

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

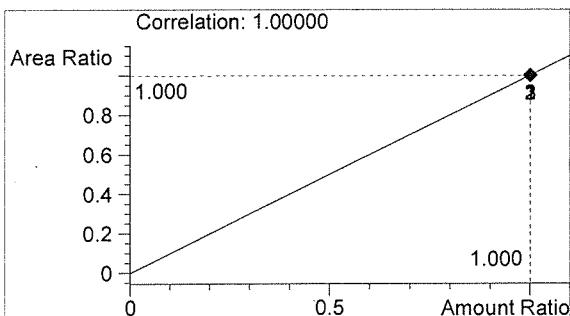
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.022
2	n-Propanol	1632	1.749



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

Handwritten initials

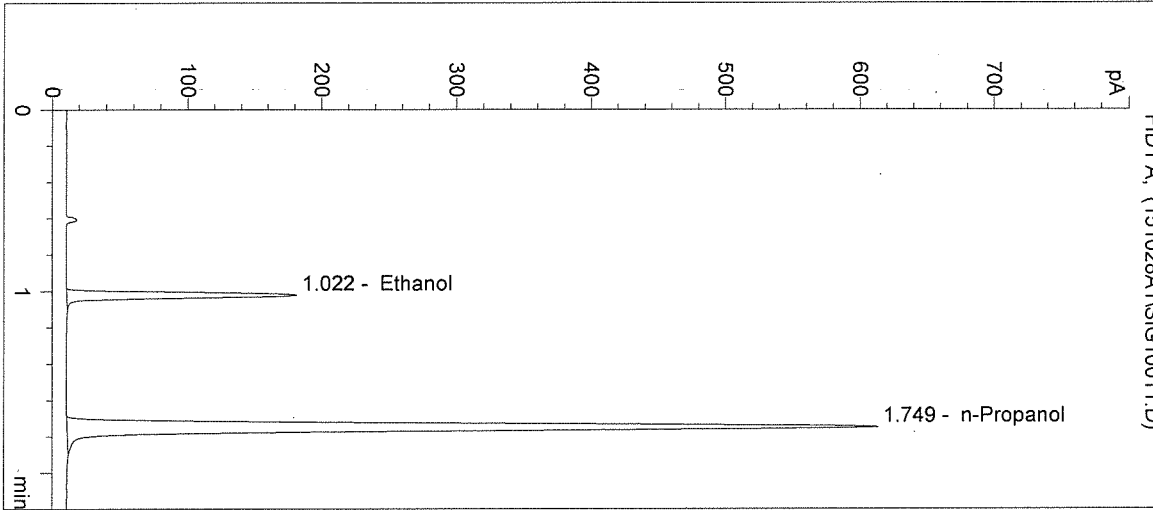
Handwritten signature

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

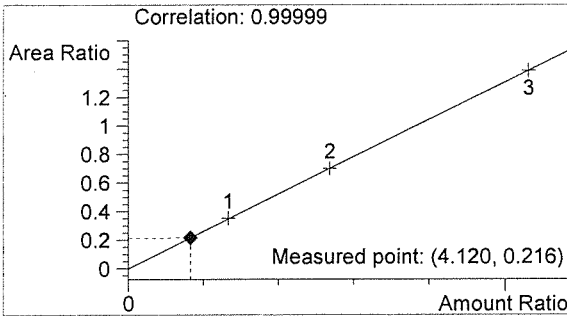
Inj. Date: 10/28/2015 9:48:36 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: gap0.04 15048 #2
 Operator: asa louis
 Location: Vial 11

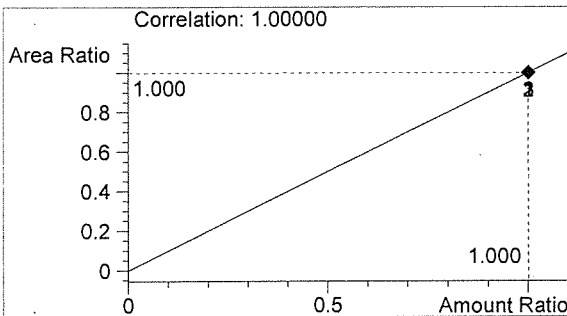
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.022
2	n-Propanol	1631	1.749



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signatures and initials.

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

Inj. Date: 10/28/2015 9:51:50 AM

Sample Name: gap0.04 15048 #3

Instrument: HSGC#3

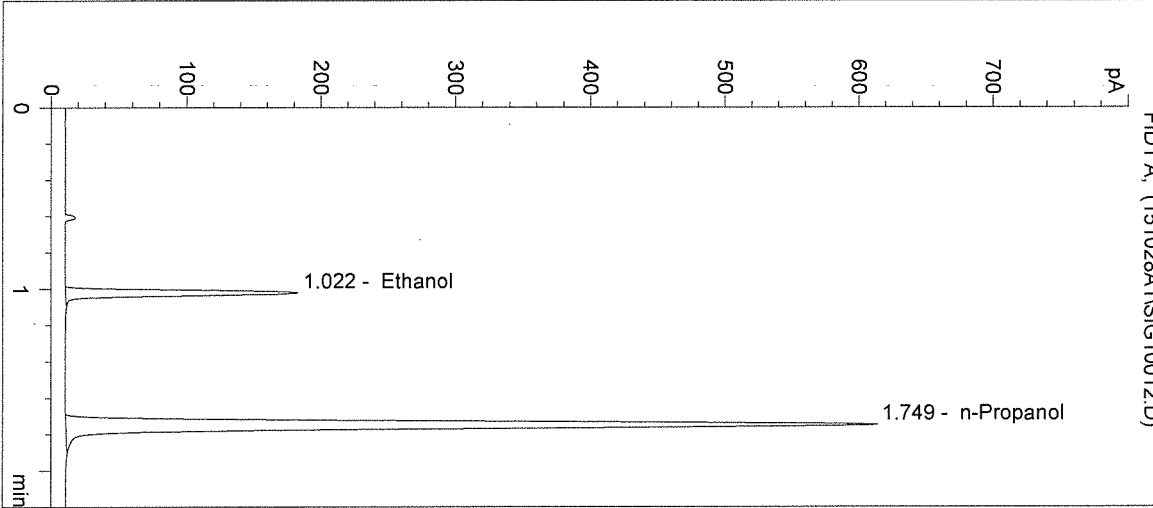
Operator: asa louis

Column: DB-ALC2

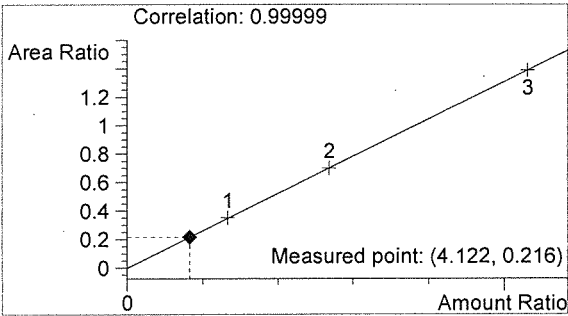
Location: Vial 12

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

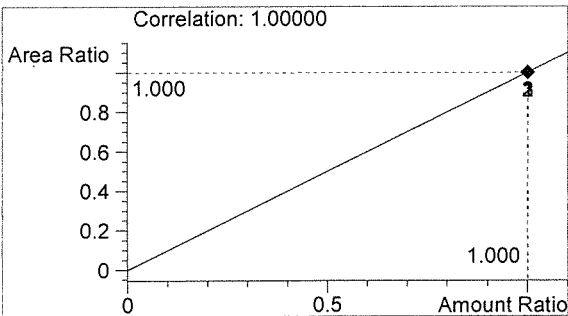
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	352	1.022
2	n-Propanol	1625	1.749



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/28/2015 9:55:03 AM

Sample Name: gap0.04 15048 #4

Instrument: HSGC#3

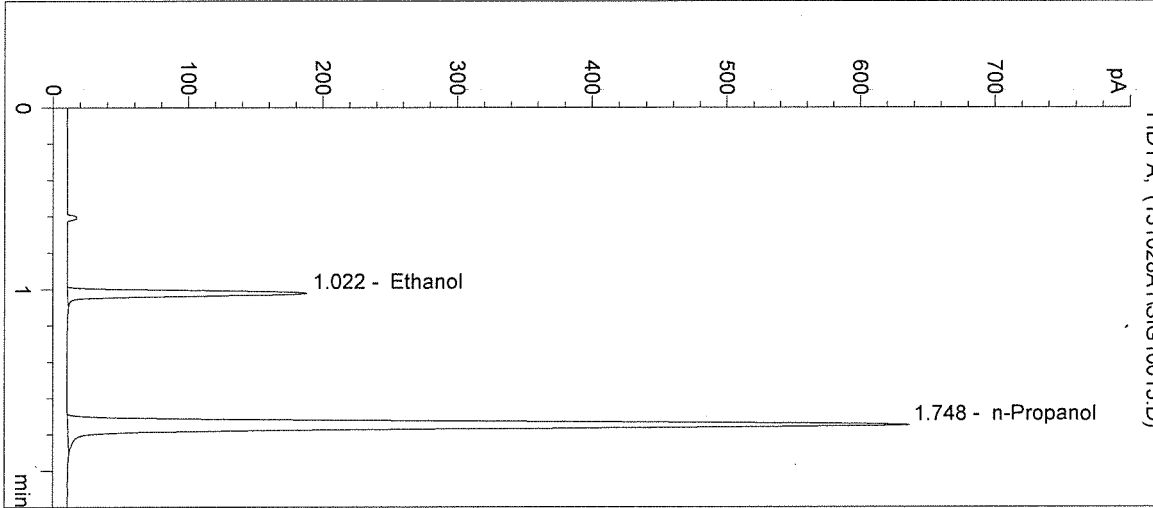
Operator: asa louis

Column: DB-ALC2

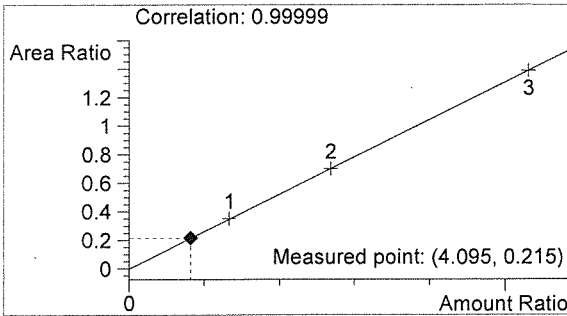
Location: Vial 13

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

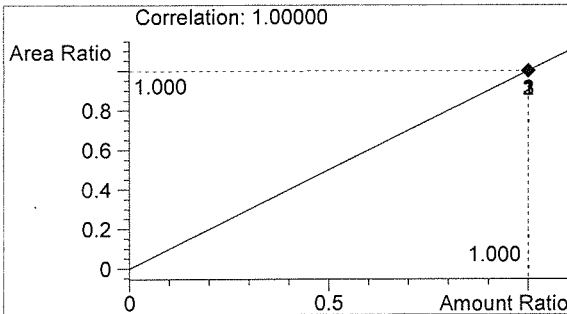
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	363	1.022
2	n-Propanol	1688	1.748



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/28/2015 9:58:17 AM

Sample Name: gap0.04 15048 #5

Instrument: HSGC#3

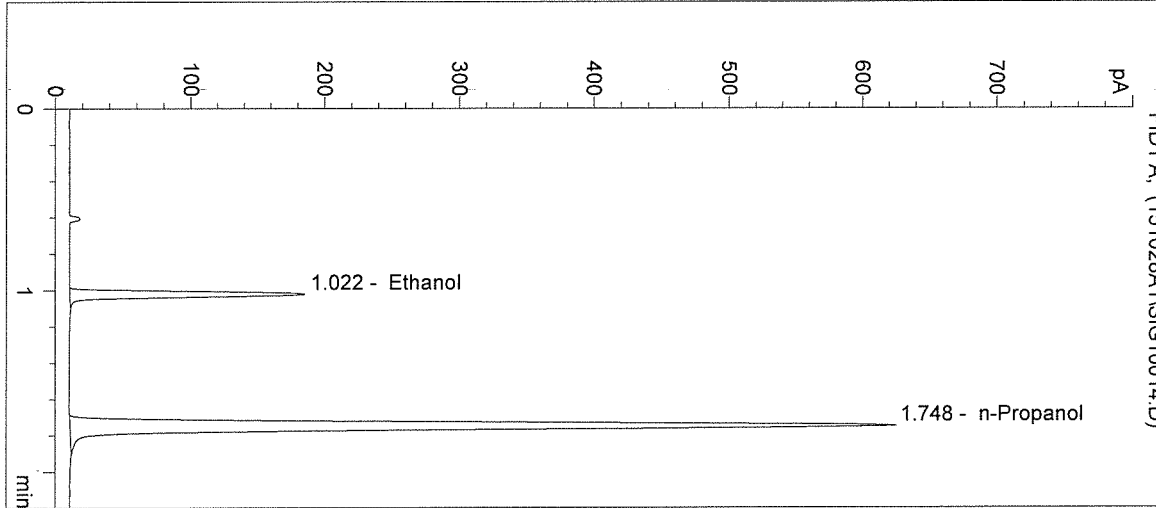
Operator: asa louis

Column: DB-ALC2

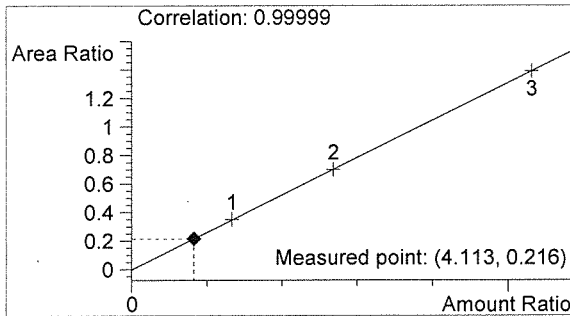
Location: Vial 14

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

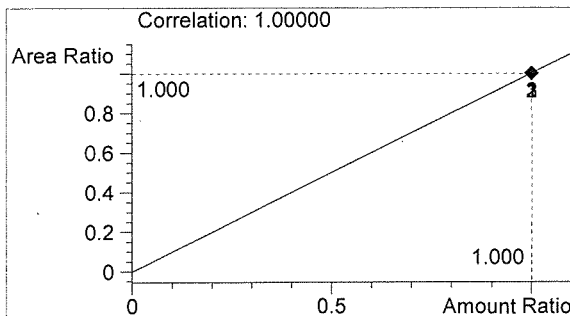
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	359	1.022
2	n-Propanol	1665	1.748



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

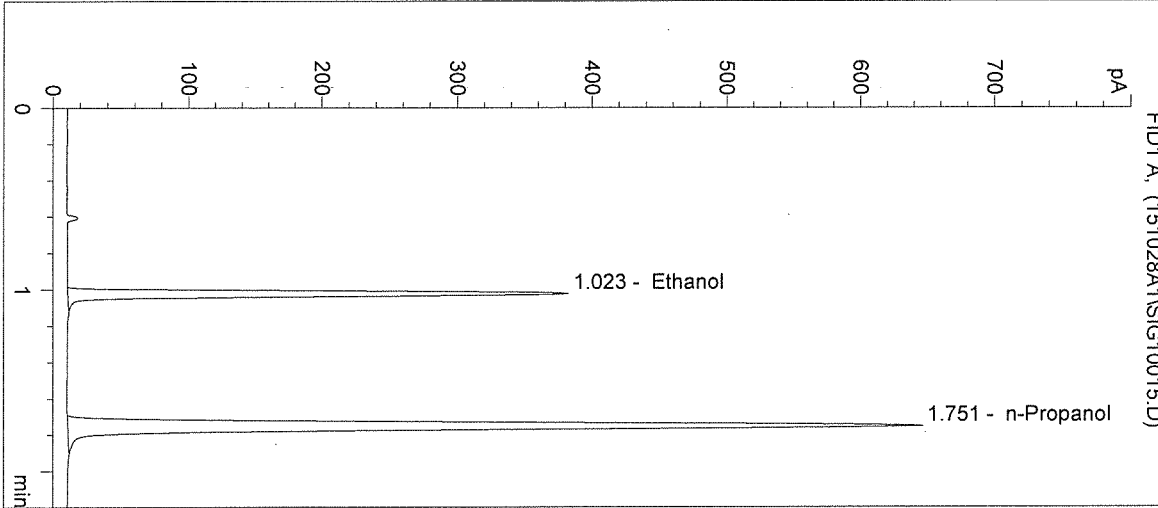
fr

dl

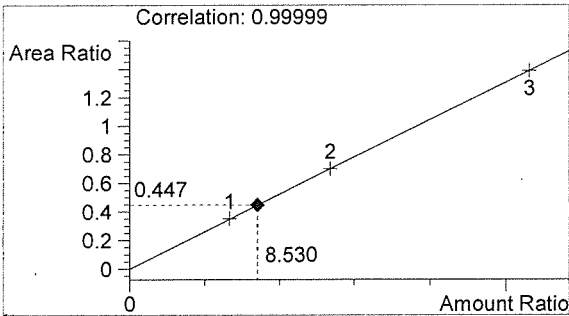
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/28/2015 10:01:30 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: qap 15048

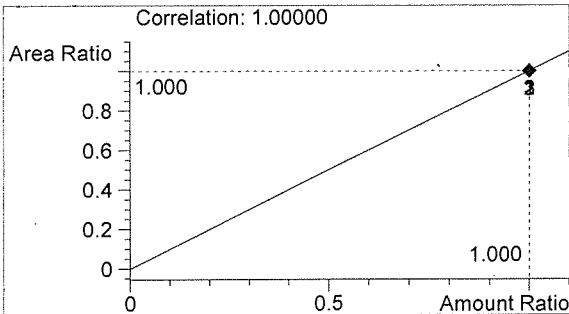
Sample Name: 0.10 ctrl - al
 Operator: asa louis
 Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	767	1.023
2	n-Propanol	1718	1.751



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

Handwritten initials/signature

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

Inj. Date: 10/28/2015 10:04:43 AM

Sample Name: neg ctrl - al

Instrument: HSGC#3

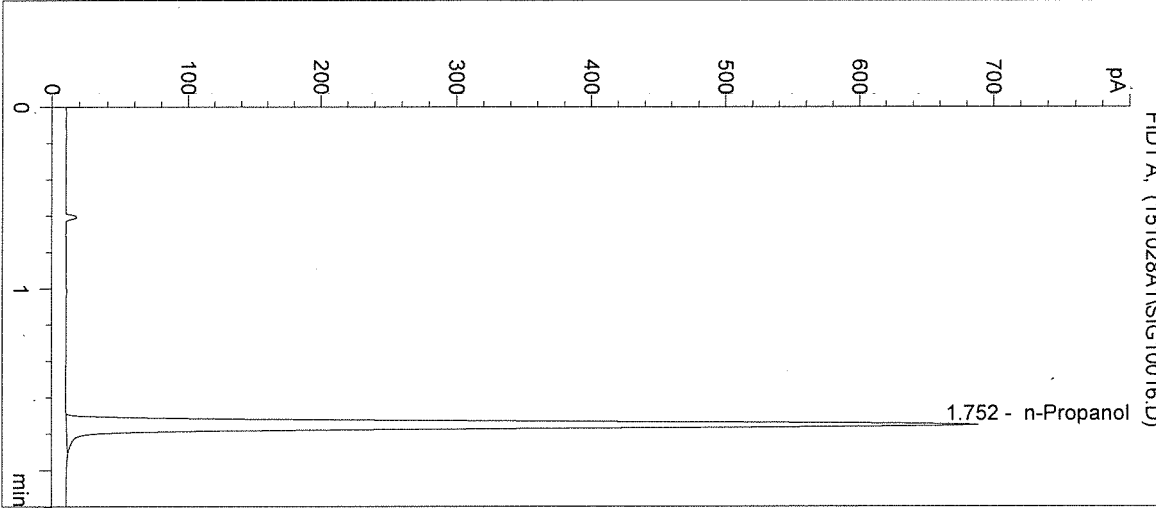
Operator: asa louis

Column: DB-ALC2

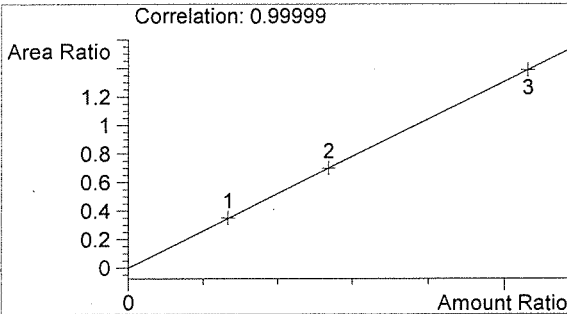
Location: Vial 16

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

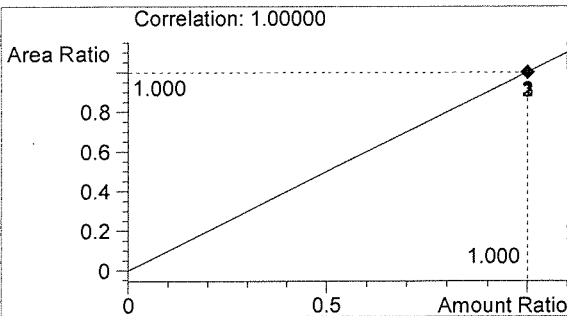
Sample Info: qap 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1836	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

fr *AL*

Sequence Parameters:

Operator: David Nguyen
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\2\DATA\
 Data Subdirectory: 151029DN
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot#: E0615-01 Exp. 12/02/2015
 CAL 2: 0.158 g/100mL - Lot#: E0615-02 Exp. 12/02/2015
 CAL 3: 0.316 g/100mL - Lot#: E0615-03 Exp. 12/02/2015

 CTRL 1: 0.04 g/100mL - Lot#: FN05011301 Exp. 05/2018
 CTRL 2: 0.10 g/100mL - Lot#: FN08051301 Exp. 10/2018
 CTRL 3: 0.20 g/100mL - Lot#: FN03211401 Exp. 06/2019

 n-Propanol ISTD - Lot#: P0915 Exp. 12/18/2015

 Calibration vials 1-9 are filed with Batch 15048.

*Tray locked on vial 12,
 sequence resumed on
 vial 13 + data was placed
 in data path 151029D2.
 10/29/15 DN*

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	15048 #1	SIMALC3	1	Sample		
11	Vial 11	15048 #2	SIMALC3	1	Sample		
12	Vial 12	15048 #3	SIMALC3	1	Sample		
13	Vial 13	15048 #4	SIMALC3	1	Sample		
14	Vial 14	15048 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

*15048
 finished*

Calibration Part:

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

DN

Sequence: C:\HPCHEM\2\SEQUENCE\DN-QAP.S

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
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!

15048

Finalist

DN

Sequence Parameters:

Operator: David Nguyen
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\2\DATA\
 Data Subdirectory: 151029D2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot#: E0615-01 Exp. 12/02/2015
 CAL 2: 0.158 g/100mL - Lot#: E0615-02 Exp. 12/02/2015
 CAL 3: 0.316 g/100mL - Lot#: E0615-03 Exp. 12/02/2015

CTRL 1: 0.04 g/100mL - Lot#: FN05011301 Exp. 05/2018
 CTRL 2: 0.10 g/100mL - Lot#: FN08051301 Exp. 10/2018
 CTRL 3: 0.20 g/100mL - Lot#: FN03211401 Exp. 06/2019

n-Propanol ISTD - Lot#: P0915 Exp. 12/18/2015

Calibration vials 1-9 are filed with Batch 15048.

*Tray locked on vial 12,
 Sequence resumed on
 vial 13 & data was placed
 in data path 151029D2.*

10/29/15 DN

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 13	15048 #4	SIMALC3	1	Sample		
2	Vial 14	15048 #5	SIMALC3	1	Sample		
3	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
4	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

15048

fn11515

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

DN

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

Calib. Data Modified : Thursday, October 29, 2015 11:38:42 AM

Calculate : Internal Standard
 Based on : Peak Area

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

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

Curve Type : Linear
 Origin : Included
 Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.024	1 1	7.97800e-2	563.78461	1.41508e-4	1 Ethanol
		1.60980e-1	1131.54199	1.42266e-4	
		3.18440e-1	2265.89600	1.40536e-4	
1.749	1 1	1.20000e-2	1612.81189	7.44042e-6	I1 n-Propanol
		1.20000e-2	1604.80505	7.47754e-6	
		1.20000e-2	1612.85791	7.44021e-6	

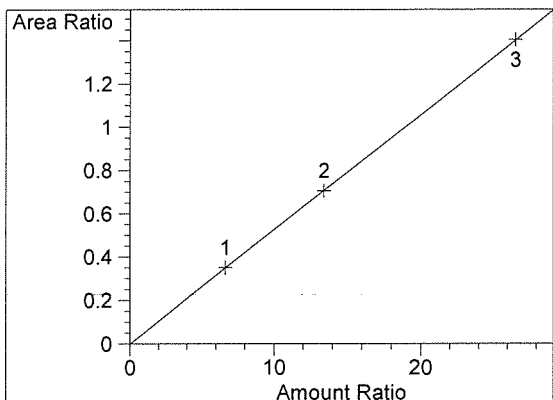
15048
Smilskis

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

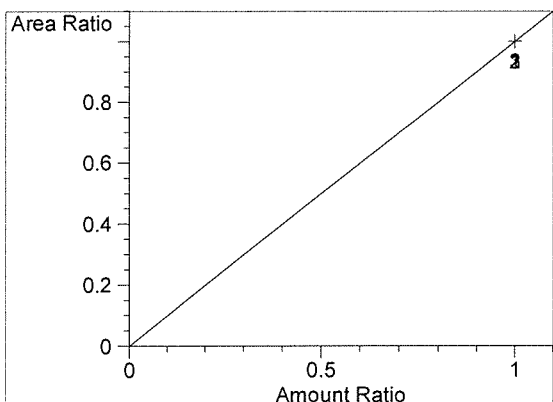
No Entries in table
 =====

DN

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



Ethanol at exp. RT: 1.024
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00298
Formula: $y = mx + b$
m: 5.29495e-2
b: -1.97191e-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

15048

Snukles

DW

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

Inj. Date: 10/29/2015 11:26:37 AM

Sample Name: BLANK

Instrument: HSGC#3

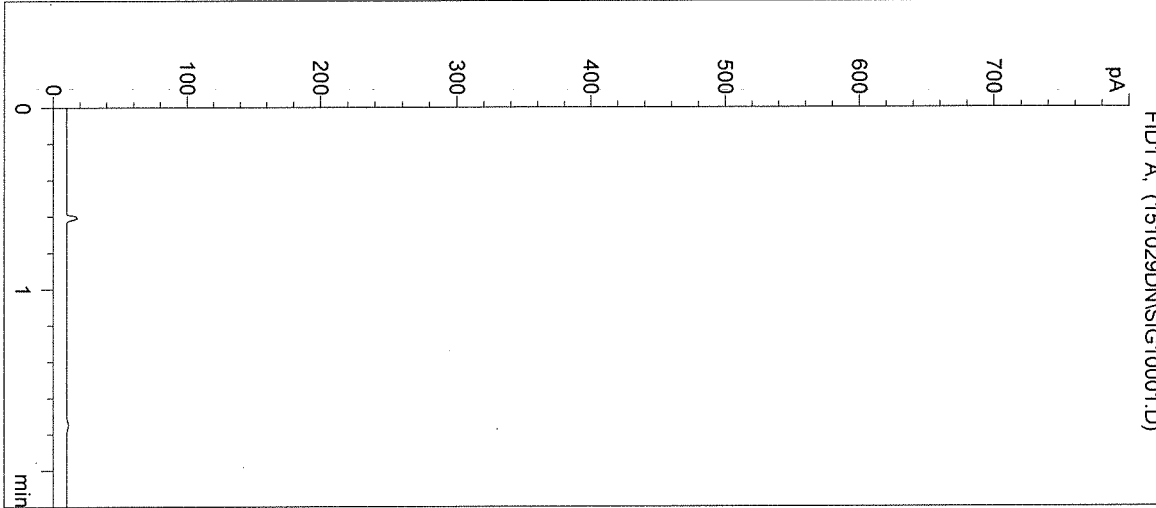
Operator: David Nguyen

Column: DB-ALC2

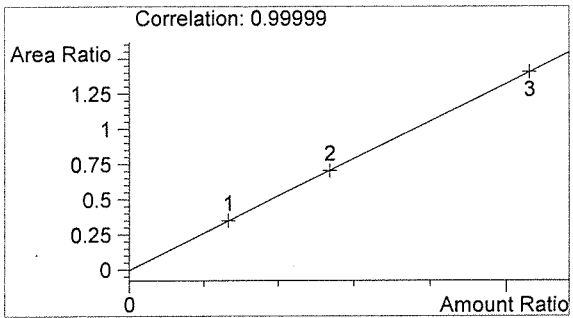
Location: Vial 1

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

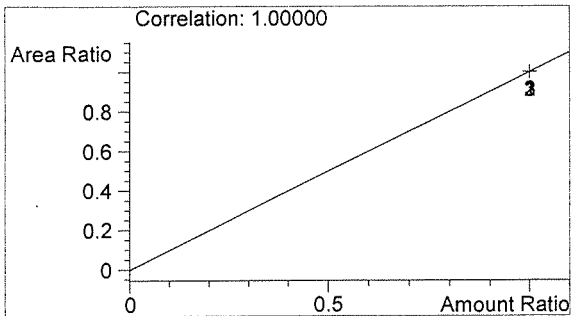
Sample Info: 15048



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



Ethanol 0.000 g/100mL



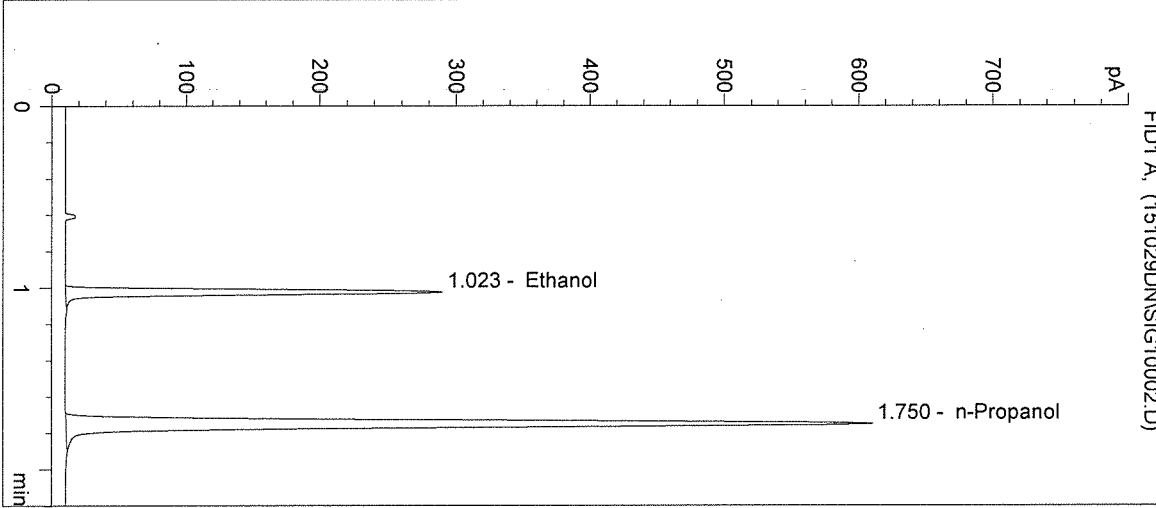
n-Propanol 0.000 g/100mL

DN

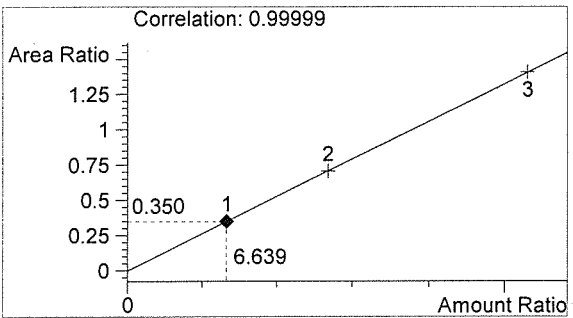
DN

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

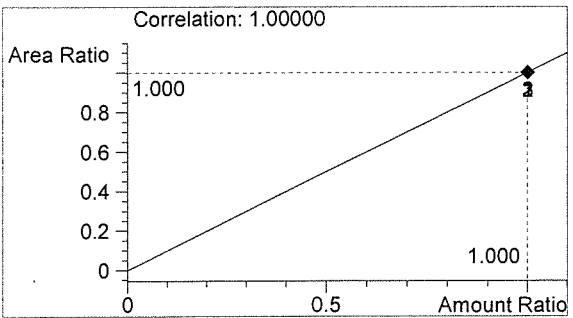
Inj. Date: 10/29/2015 11:29:56 AM Sample Name: CAL 1 (0.079)
Instrument: HSGC#3 Operator: David Nguyen
Column: DB-ALC2 Location: Vial 2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 1: 0.079 g/100mL
15048



#	Compound	Peak Area	RT (min)
1	Ethanol	564	1.023
2	n-Propanol	1613	1.750



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

- >

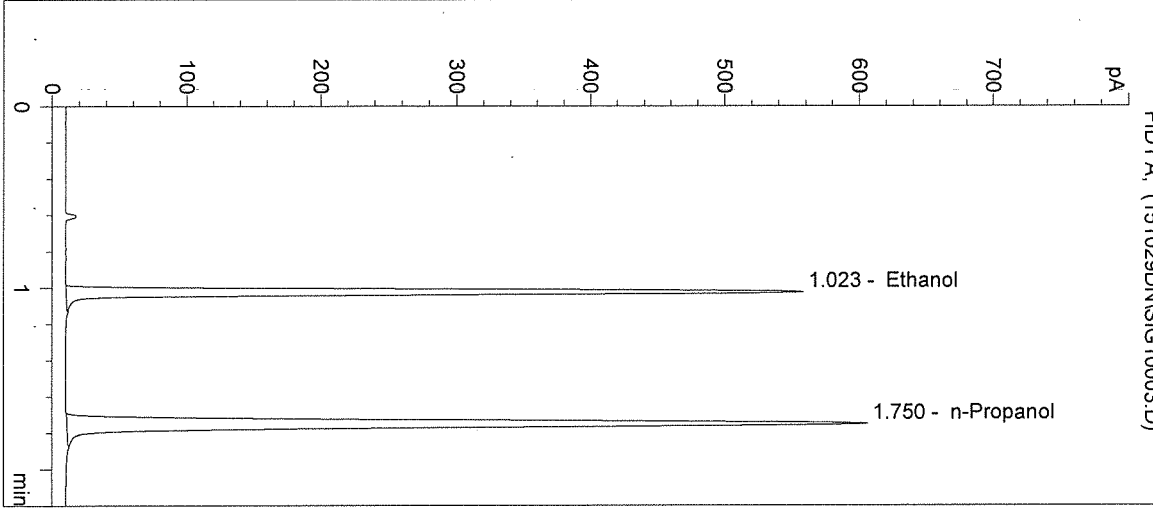
20

DN

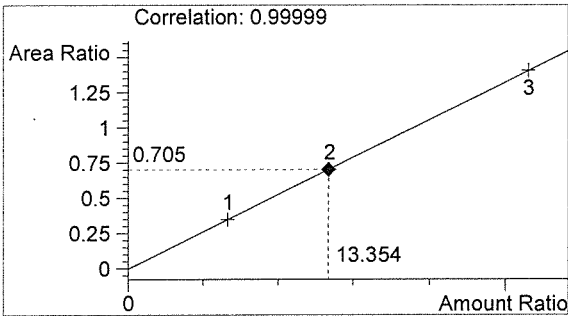
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/29/2015 11:33:13 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CAL 2: 0.158 g/100mL
 15048

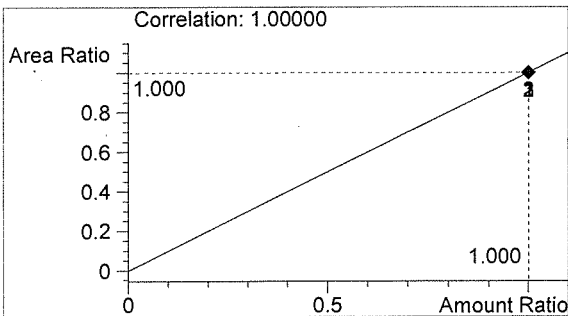
Sample Name: CAL 2 (0.158)
 Operator: David Nguyen
 Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1132	1.023
2	n-Propanol	1605	1.750



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

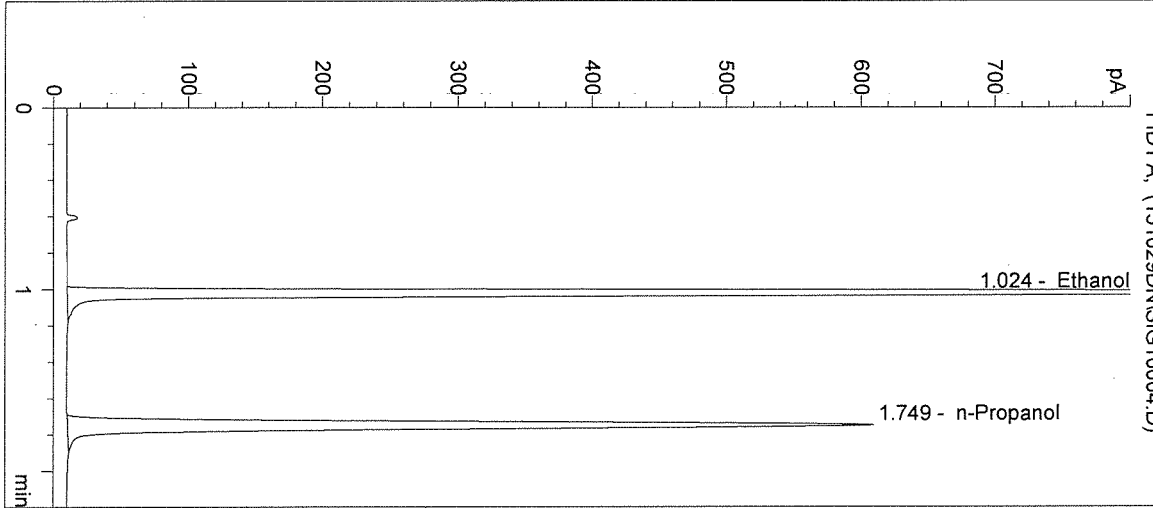
Handwritten mark

Handwritten mark

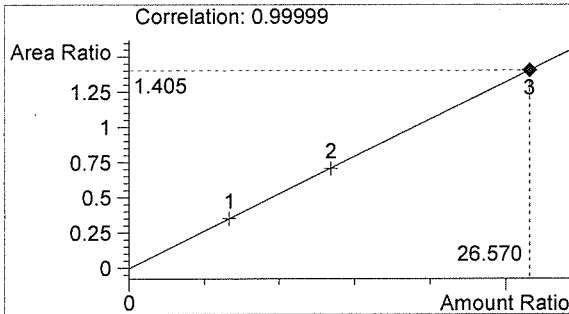
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/29/2015 11:36:30 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CAL 3: 0.316 g/100mL
 15048

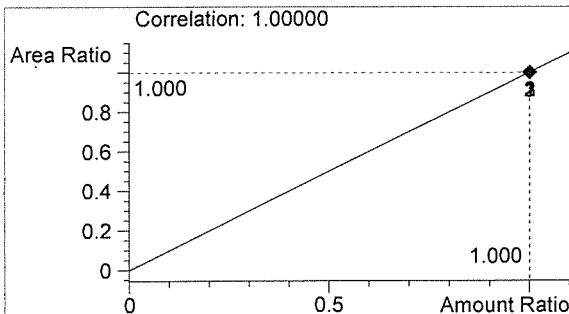
Sample Name: CAL 3 (0.316)
 Operator: David Nguyen
 Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2266	1.024
2	n-Propanol	1613	1.749



Ethanol 0.319 g/100mL



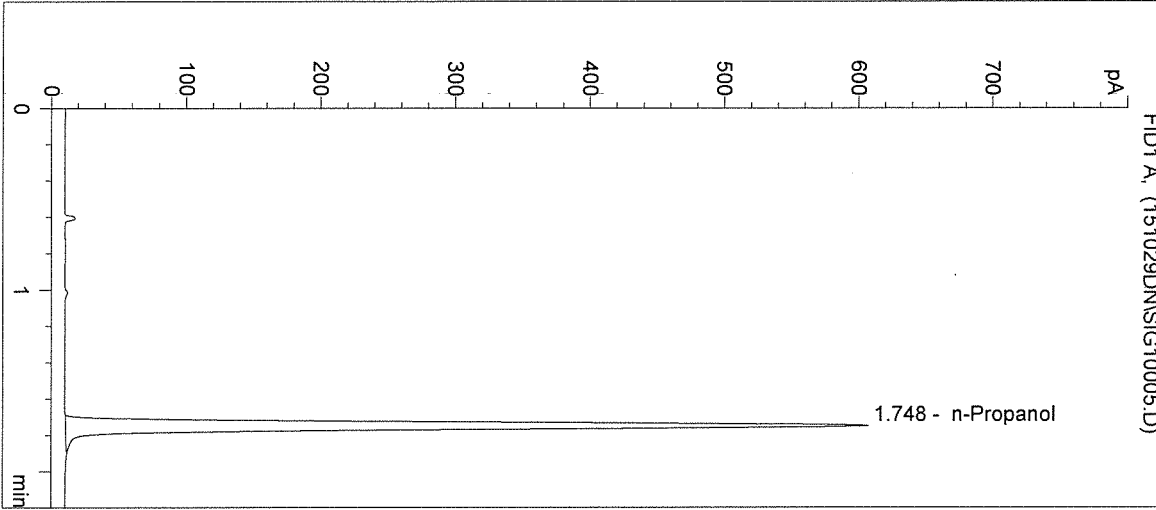
n-Propanol 0.012 g/100mL

Handwritten mark

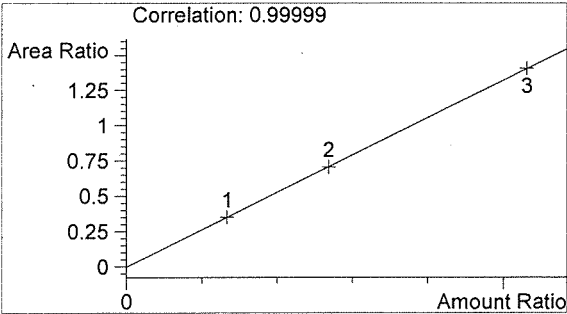
Handwritten mark

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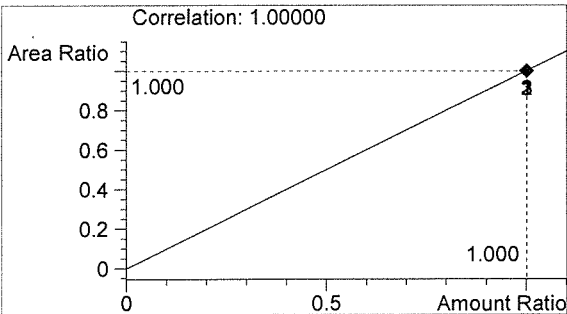
Inj. Date: 10/29/2015 11:39:43 AM Sample Name: NEG CTRL
Instrument: HSGC#3 Operator: David Nguyen
Column: DB-ALC2 Location: Vial 5
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1610	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

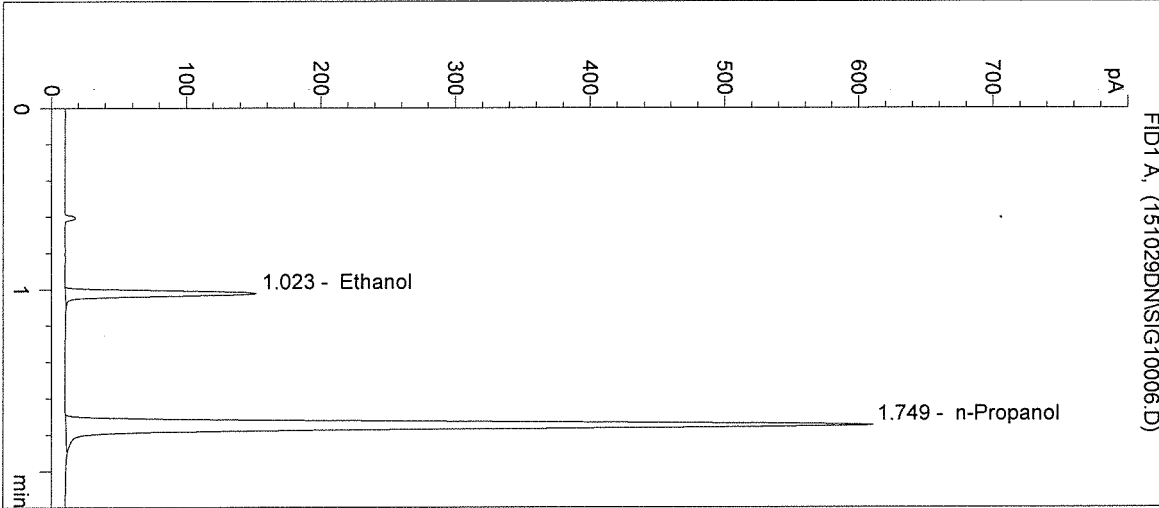
Handwritten signature

DN

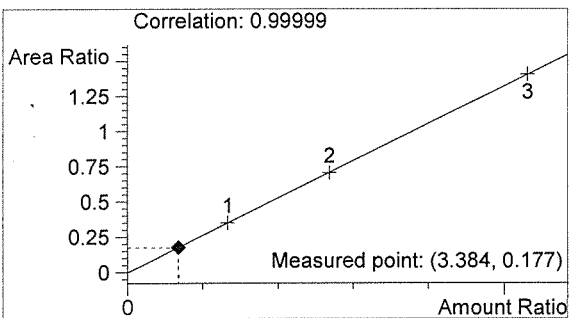
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/29/2015 11:42:57 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 1: 0.04 g/100mL
 15048

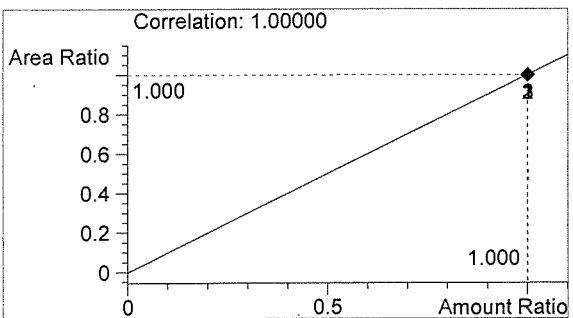
Sample Name: CTRL 1 (0.04)
 Operator: David Nguyen
 Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	287	1.023
2	n-Propanol	1618	1.749



Ethanol 0.041 g/100mL



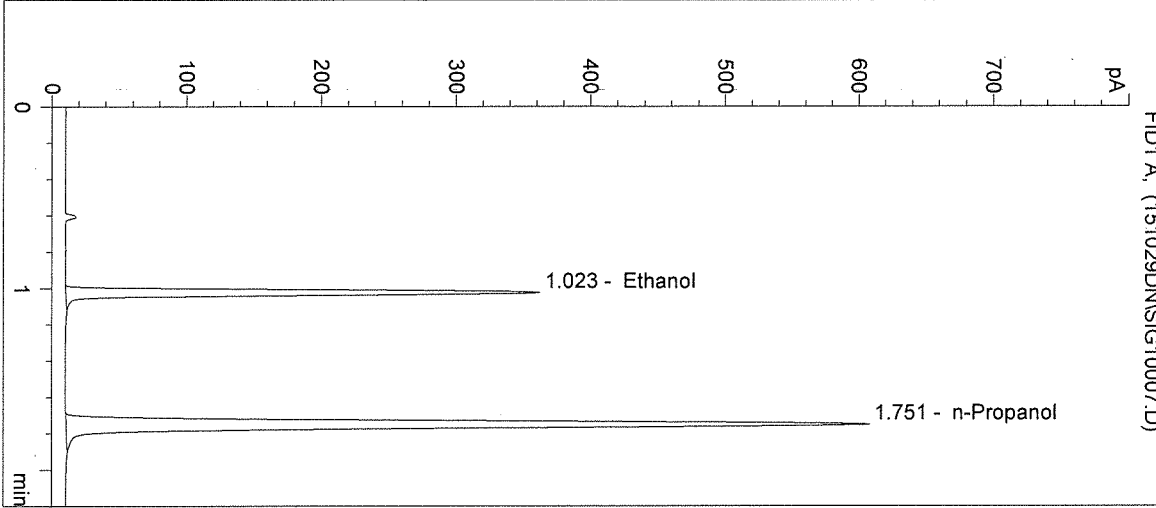
n-Propanol 0.012 g/100mL

Handwritten mark

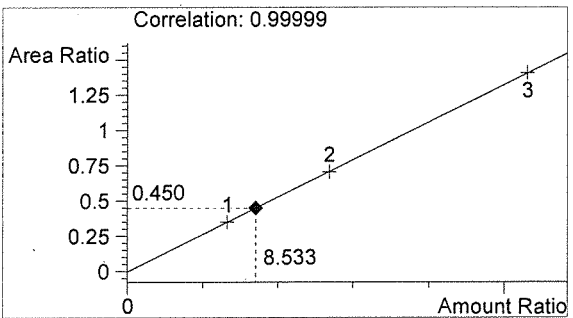
DN

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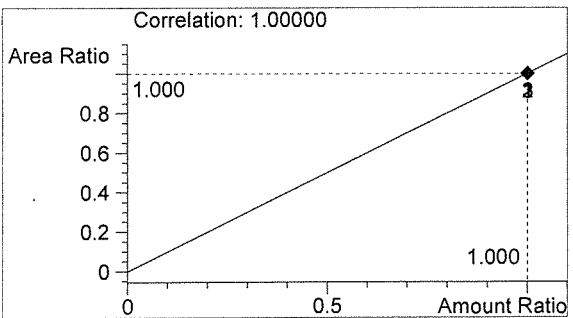
Inj. Date: 10/29/2015 11:46:10 AM Sample Name: CTRL 2 (0.10)
 Instrument: HSGC#3 Operator: David Nguyen
 Column: DB-ALC2 Location: Vial 7
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 2: 0.10 g/100mL
 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	725	1.023
2	n-Propanol	1611	1.751



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

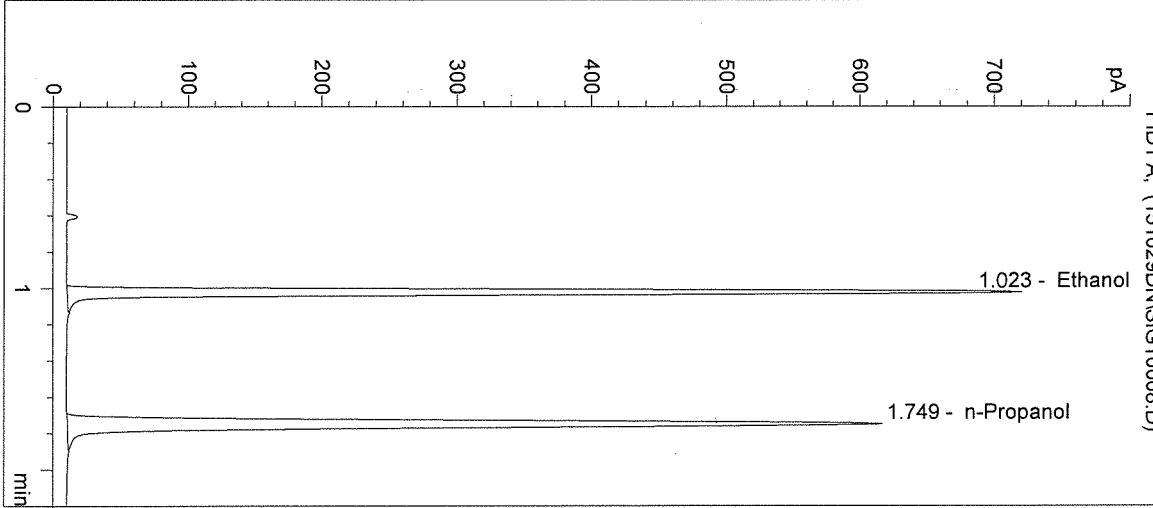
Handwritten signature

Handwritten number 2

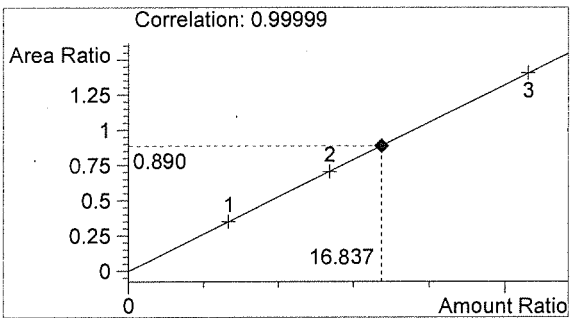
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/29/2015 11:49:23 AM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 3: 0.20 g/100mL
 15048

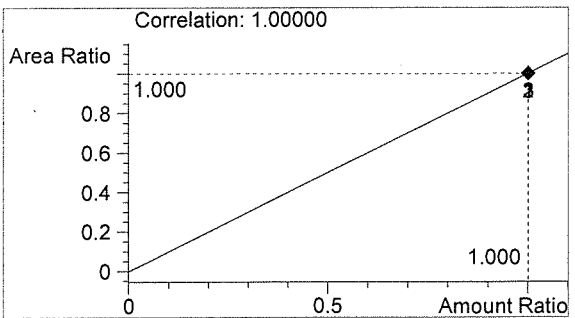
Sample Name: CTRL 3 (0.20)
 Operator: David Nguyen
 Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1452	1.023
2	n-Propanol	1632	1.749



Ethanol 0.202 g/100mL



n-Propanol 0.012 g/100mL

DN

DN

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

Inj. Date: 10/29/2015 11:52:37 AM

Sample Name: NEG CTRL

Instrument: HSGC#3

Operator: David Nguyen

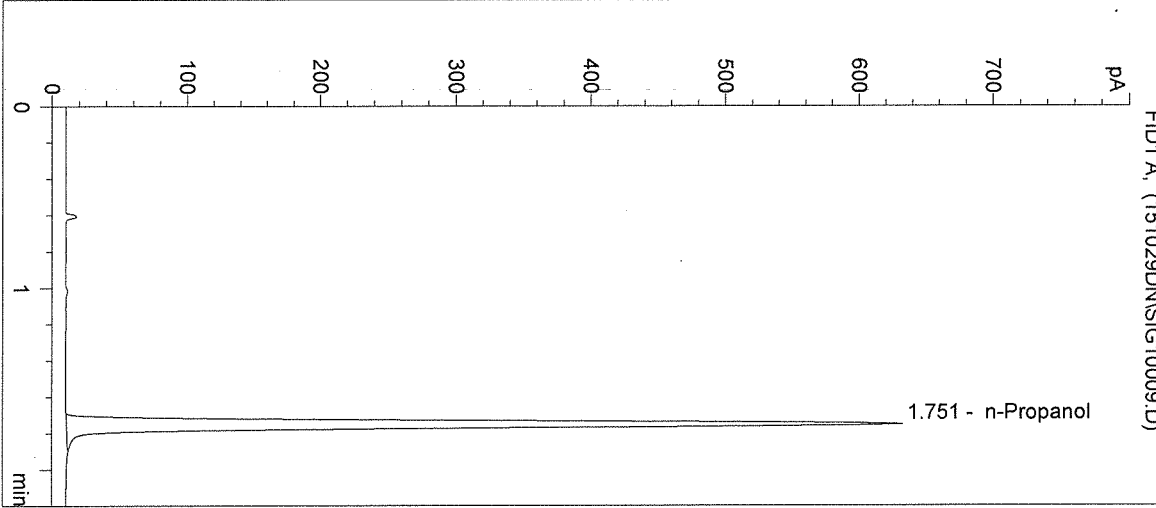
Column: DB-ALC2

Location: Vial 9

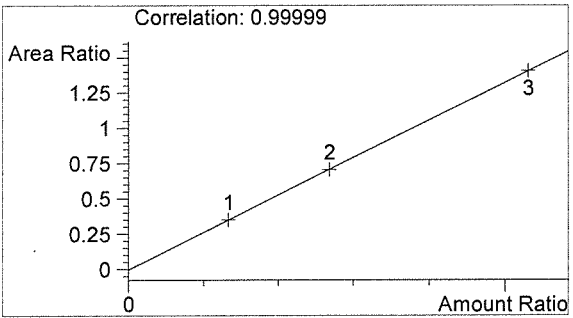
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: ~~15025~~

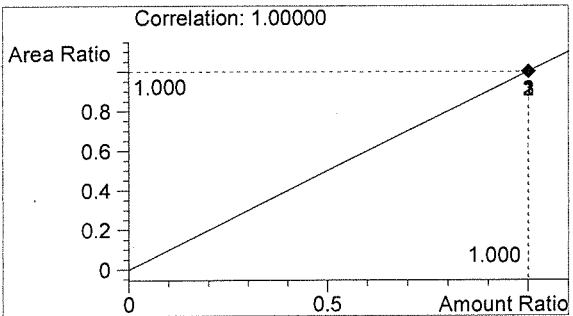
15048 10/29/15 DN



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1676	1.751



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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DN

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

Inj. Date: 10/29/2015 11:55:50 AM

Sample Name: 15048 #1

Instrument: HSGC#3

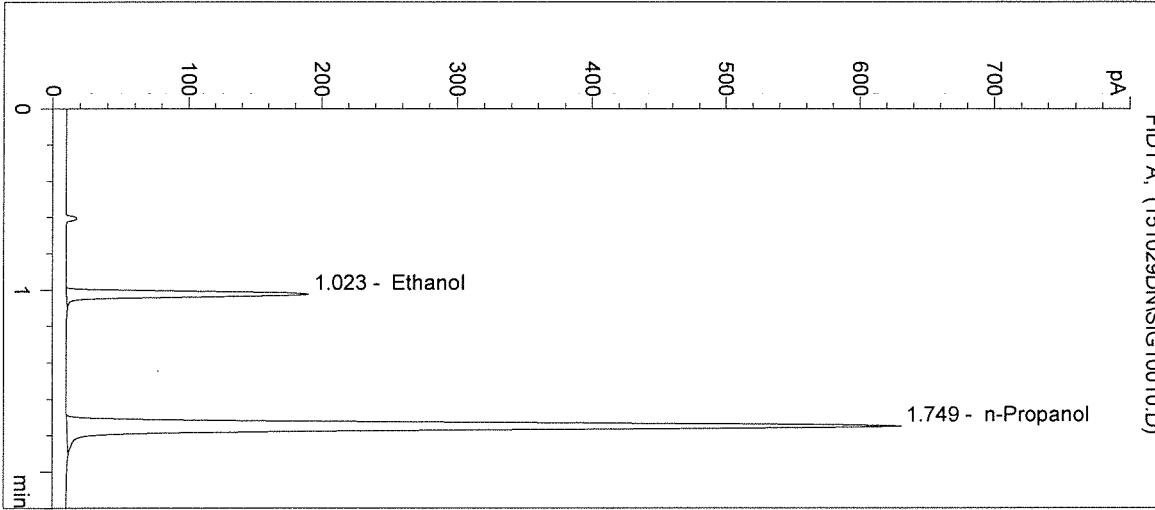
Operator: David Nguyen

Column: DB-ALC2

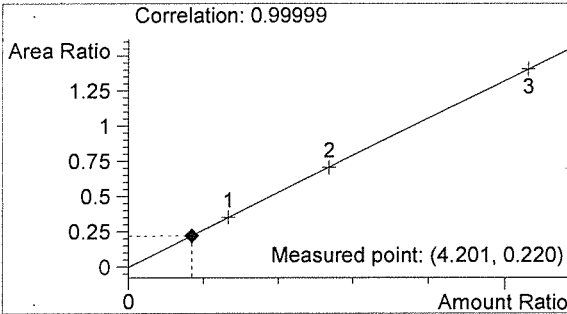
Location: Vial 10

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

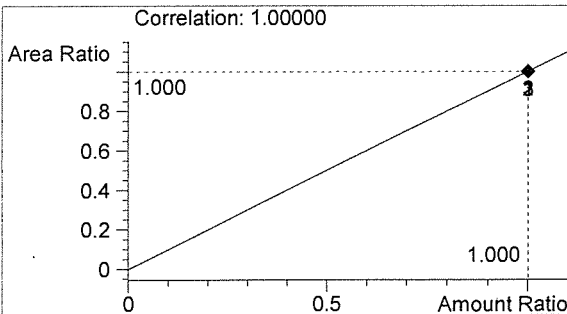
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	370	1.023
2	n-Propanol	1677	1.749



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Washington State Patrol Toxicology Laboratory
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Inj. Date: 10/29/2015 11:59:03 AM

Sample Name: 15048 #2

Instrument: HSGC#3

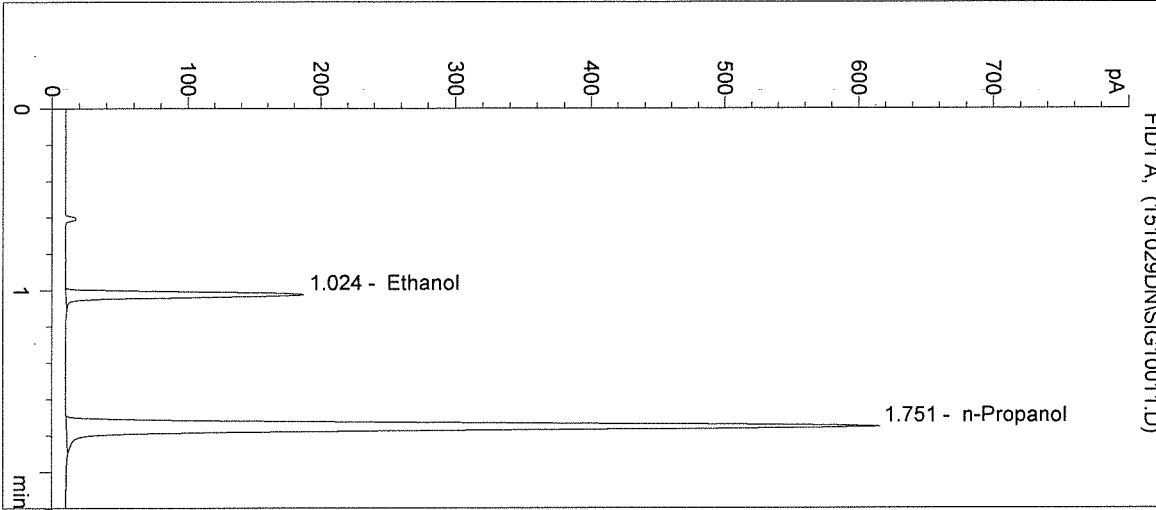
Operator: David Nguyen

Column: DB-ALC2

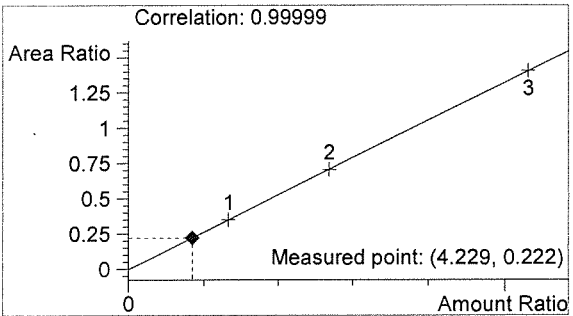
Location: Vial 11

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

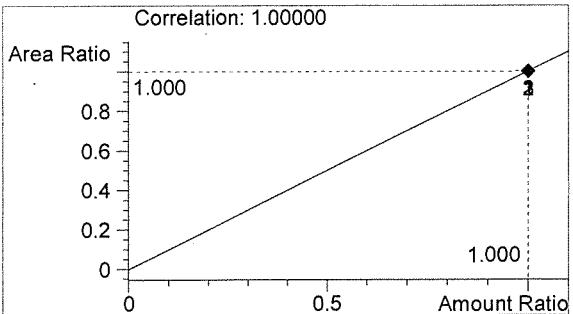
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	361	1.024
2	n-Propanol	1628	1.751



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

DN

DN

Washington State Patrol Toxicology Laboratory
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Inj. Date: 10/29/2015 12:02:17 PM

Sample Name: 15048 #3

Instrument: HSGC#3

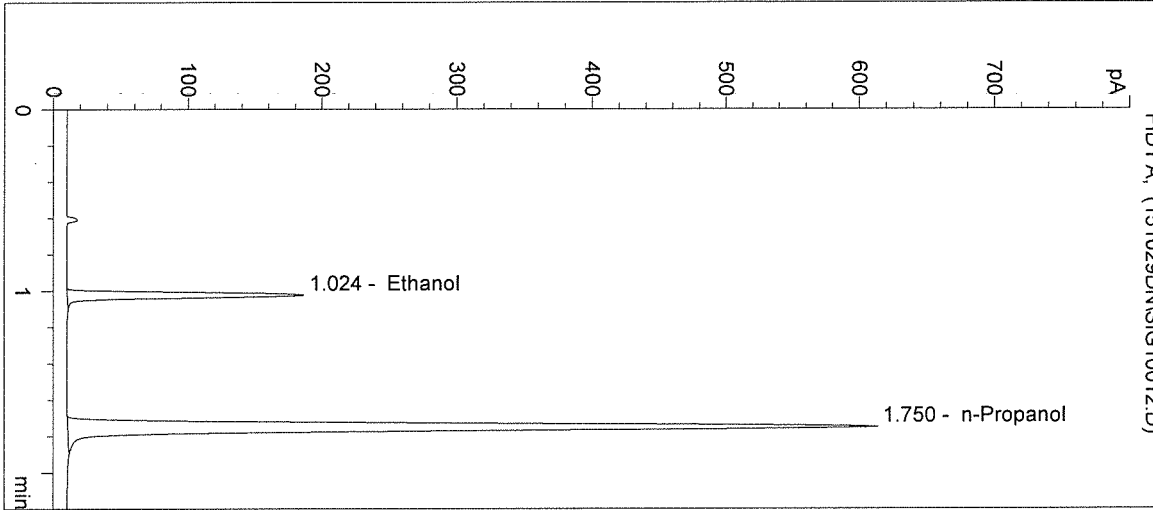
Operator: David Nguyen

Column: DB-ALC2

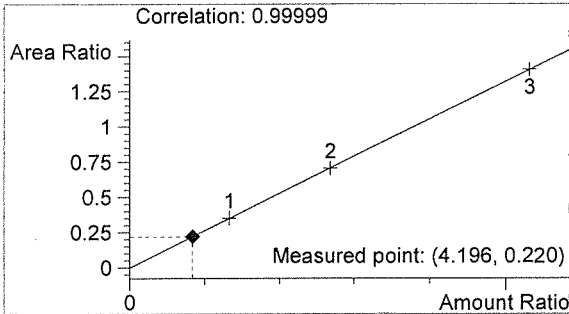
Location: Vial 12

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

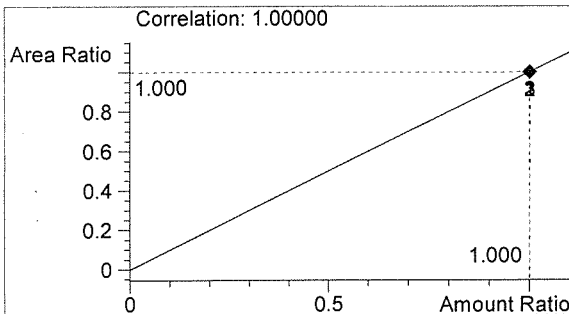
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	357	1.024
2	n-Propanol	1623	1.750



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/29/2015 1:35:13 PM

Sample Name: 15048 #4

Instrument: HSGC#3

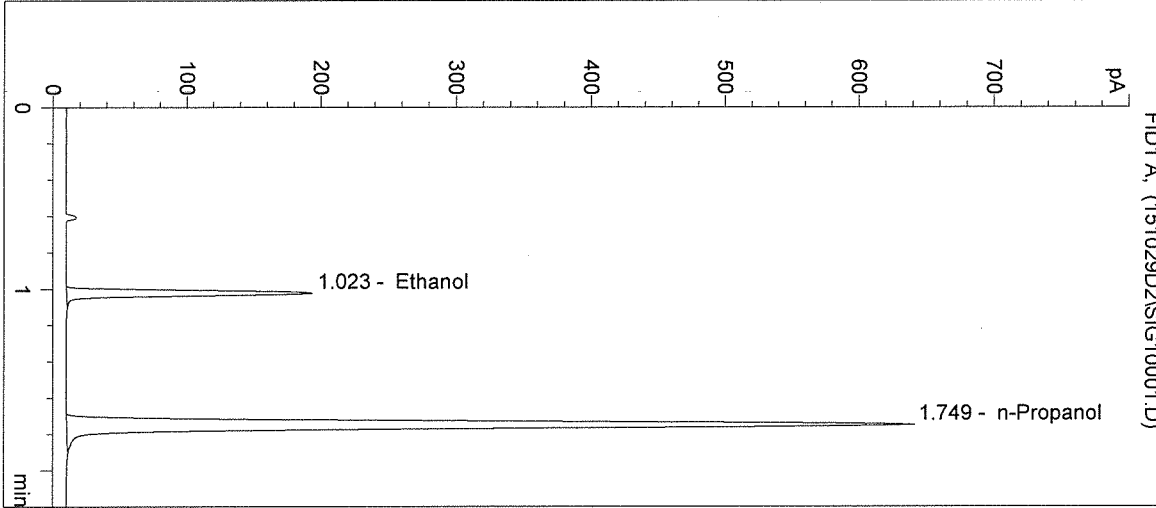
Operator: David Nguyen

Column: DB-ALC2

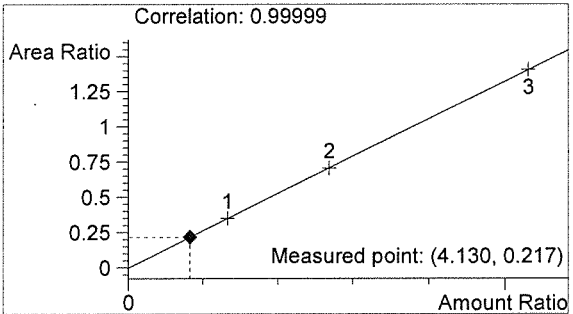
Location: Vial 13

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

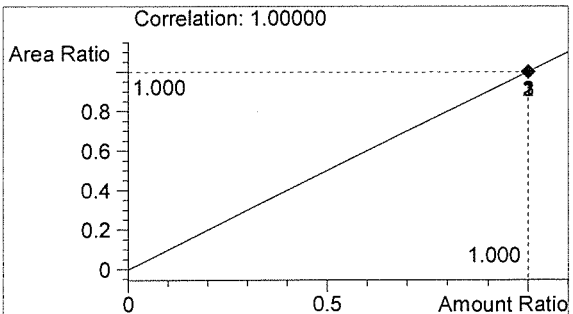
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	368	1.023
2	n-Propanol	1696	1.749



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

DN

DN

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

Inj. Date: 10/29/2015 1:38:30 PM

Sample Name: 15048 #5

Instrument: HSGC#3

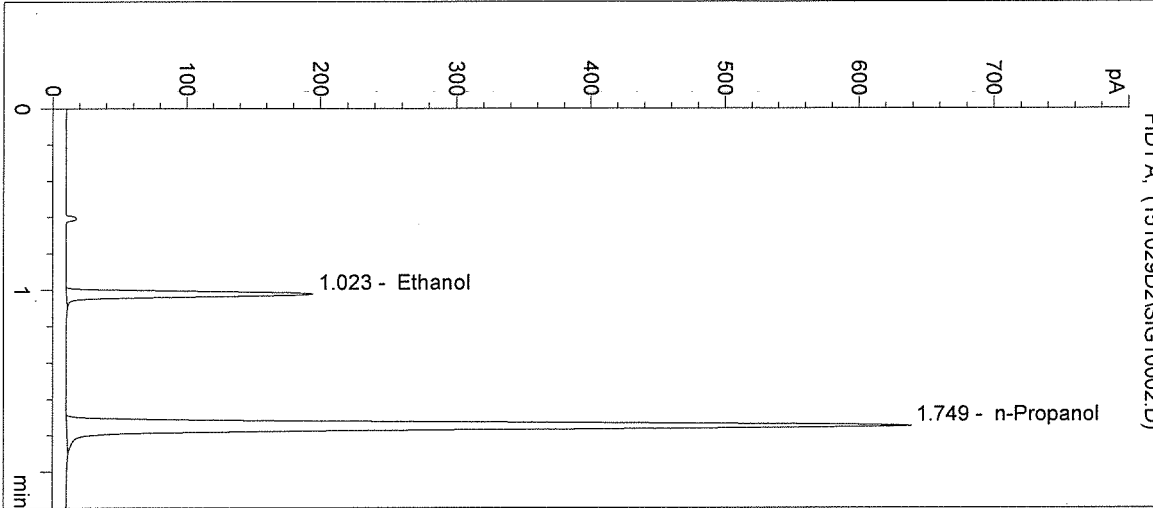
Operator: David Nguyen

Column: DB-ALC2

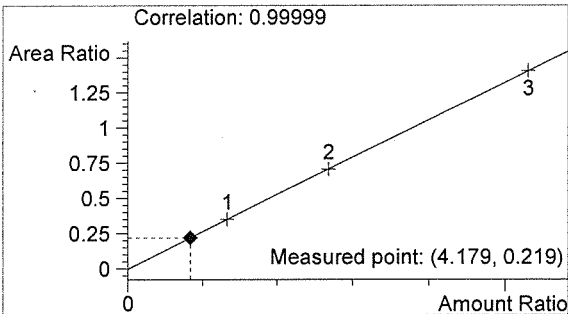
Location: Vial 14

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

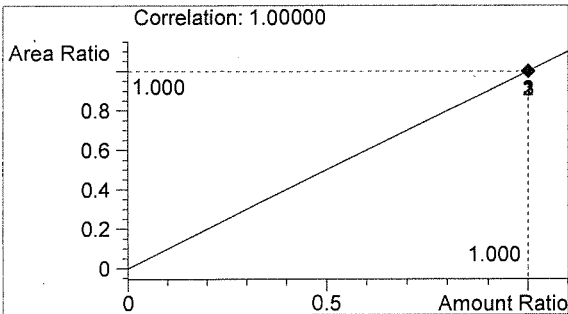
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	372	1.023
2	n-Propanol	1694	1.749



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/29/2015 1:41:48 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#3

Operator: David Nguyen

Column: DB-ALC2

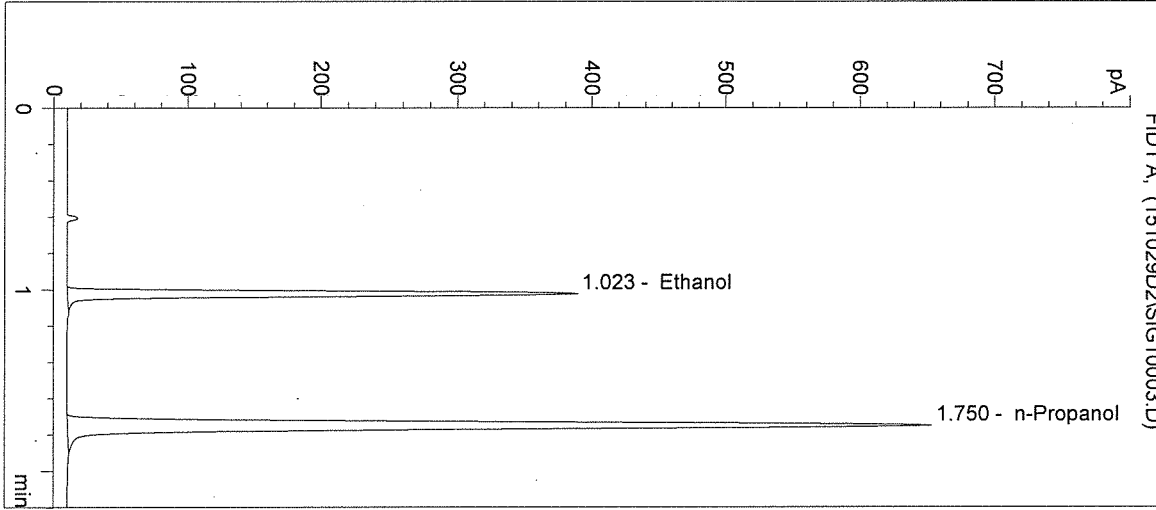
Location: Vial 15

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

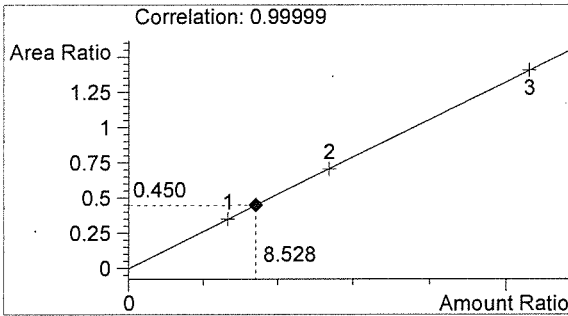
Sample Info: POS CTRL: 0.10 g/100mL

15048

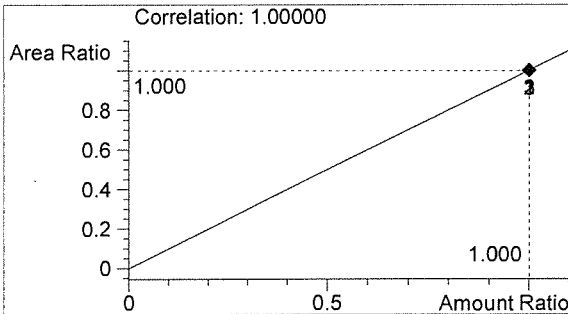
->



#	Compound	Peak Area	RT (min)
1	Ethanol	778	1.023
2	n-Propanol	1730	1.750



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

DN

DN

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

Inj. Date: 10/29/2015 1:45:05 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

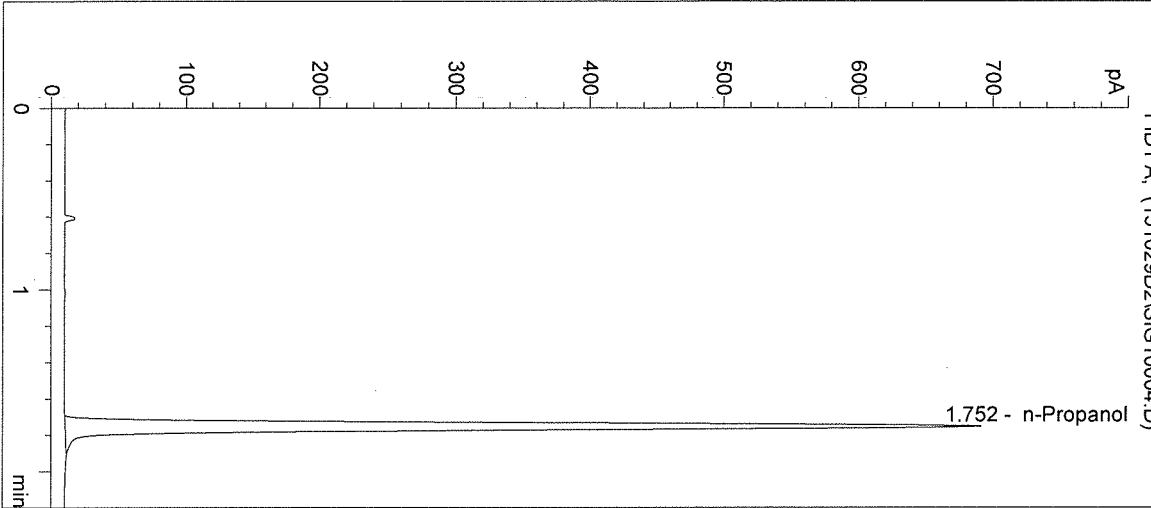
Operator: David Nguyen

Column: DB-ALC2

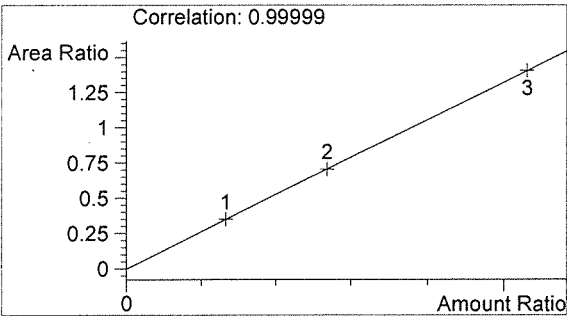
Location: Vial 16

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

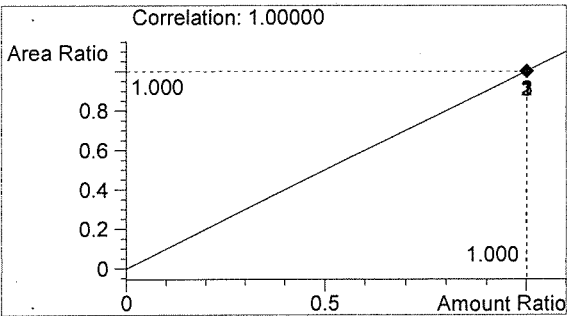
Sample Info: 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1836	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

DN

DN

Sequence Parameters:

Operator: Rebecca Flaherty
 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: 151103R2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot#: E0615-01 Exp. 12/02/2015
 CAL 2: 0.158 g/100mL - Lot#: E0615-02 Exp. 12/02/2015
 CAL 3: 0.316 g/100mL - Lot#: E0615-03 Exp. 12/02/2015

 CTRL 1: 0.04 g/100mL - Lot#: FN05011301 Exp. 05/2018
 CTRL 2: 0.10 g/100mL - Lot#: FN08051301 Exp. 10/2018
 CTRL 3: 0.20 g/100mL - Lot#: FN03211401 Exp. 06/2019

 n-Propanol ISTD - Lot#: P0915 Exp. 12/18/2015

 Calibration vials 1-9 are filed with Batch 15048.

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	15048 #1	SIMALC3	1	Sample		
11	Vial 11	15048 #2	SIMALC3	1	Sample		
12	Vial 12	15048 #3	SIMALC3	1	Sample		
13	Vial 13	15048 #4	SIMALC3	1	Sample		
14	Vial 14	15048 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

15048

Initials

Calibration Part:

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

RF

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
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!

15048

RF

RF

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

Calib. Data Modified : Tuesday, November 03, 2015 3:02:02 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 : 0.000000

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	615.92816	1.29528e-4	1 Ethanol
		2 1.60980e-1	1153.04919	1.39612e-4	
		3 3.18440e-1	2254.59521	1.41240e-4	
1.750	1 1	1.20000e-2	1718.75562	6.98180e-6	I1 n-Propanol
		2 1.20000e-2	1635.27075	7.33823e-6	
		3 1.20000e-2	1606.43298	7.46997e-6	

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

No Entries in table
=====

15048
Brinkley
missing 2nd page -
see reprint by
analyst on 11/5/15
Brinkley

RF

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

Calib. Data Modified : 11/5/2015 3:17:57 PM

Calculate : Internal Standard
Based on : Peak Area

Reprinted to include
Pg 2 (curves).
RF 11/5/15

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	615.92816	1.29528e-4	1 Ethanol
		1.60980e-1	1153.04919	1.39612e-4	
		3.18440e-1	2254.59521	1.41240e-4	
1.750	1 1	1.20000e-2	1718.75562	6.98180e-6	I1 n-Propanol
		1.20000e-2	1635.27075	7.33823e-6	
		1.20000e-2	1606.43298	7.46997e-6	

15048

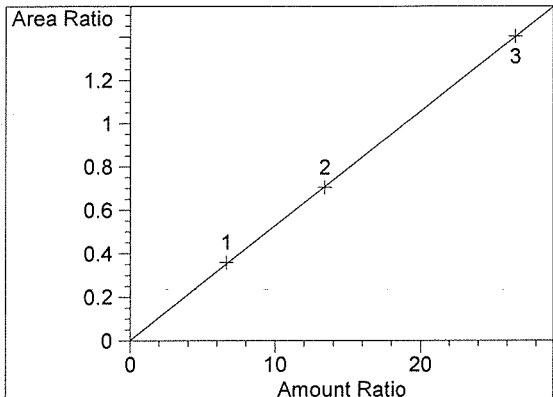
RF 11/5/15

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

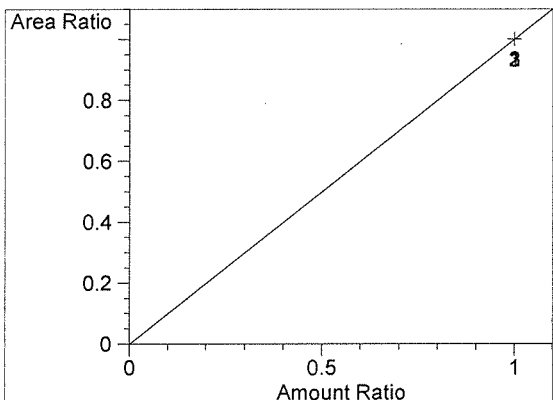
No Entries in table
=====

RF

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



Ethanol at exp. RT: 1.023
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00542
Formula: $y = mx + b$
m: 5.27808e-2
b: 1.84082e-3
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

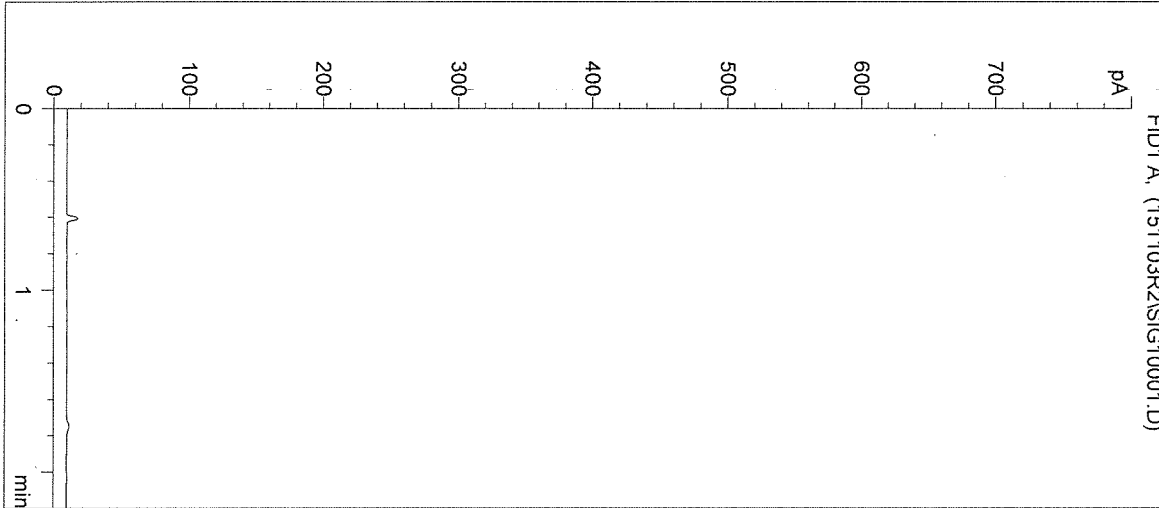
=====
15048

Shuklis

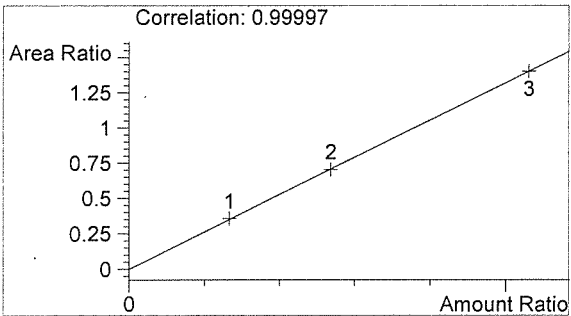
RF

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

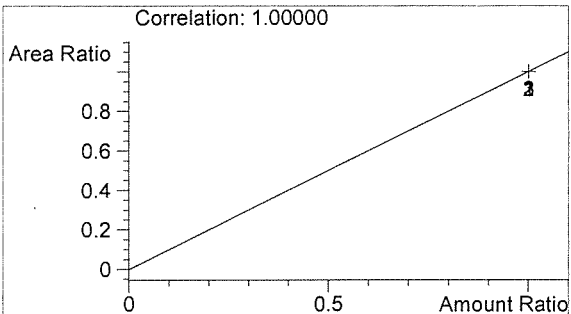
Inj. Date: 11/3/2015 2:49:57 PM Sample Name: BLANK
Instrument: HSGC#3 Operator: Rebecca Flaherty
Column: DB-ALC2 Location: Vial 1
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15048



#	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

RF

RF

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

Inj. Date: 11/3/2015 2:53:16 PM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#3

Operator: Rebecca Flaherty

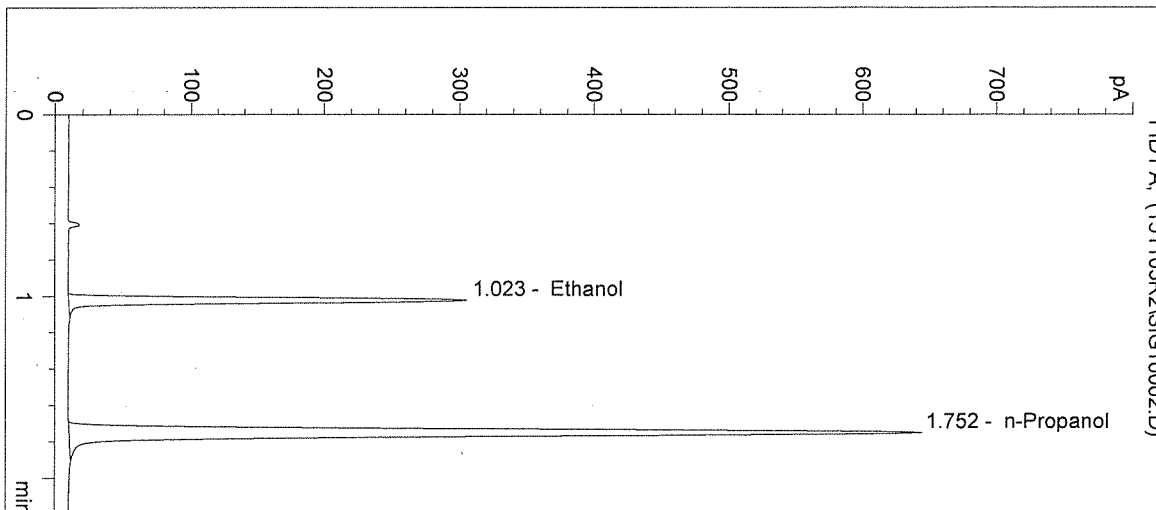
Column: DB-ALC2

Location: Vial 2

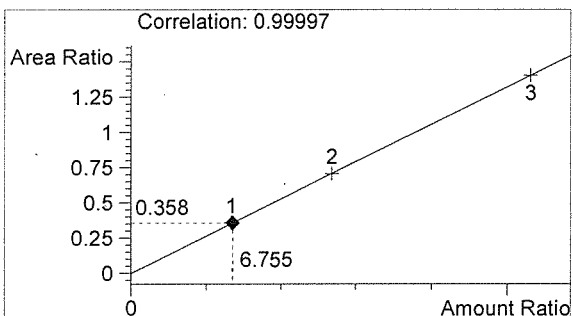
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CAL 1: 0.079 g/100mL
15048

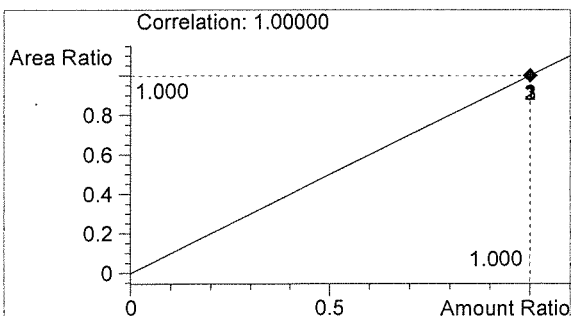
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#	Compound	Peak Area	RT (min)
1	Ethanol	616	1.023
2	n-Propanol	1719	1.752



Ethanol 0.081 g/100mL



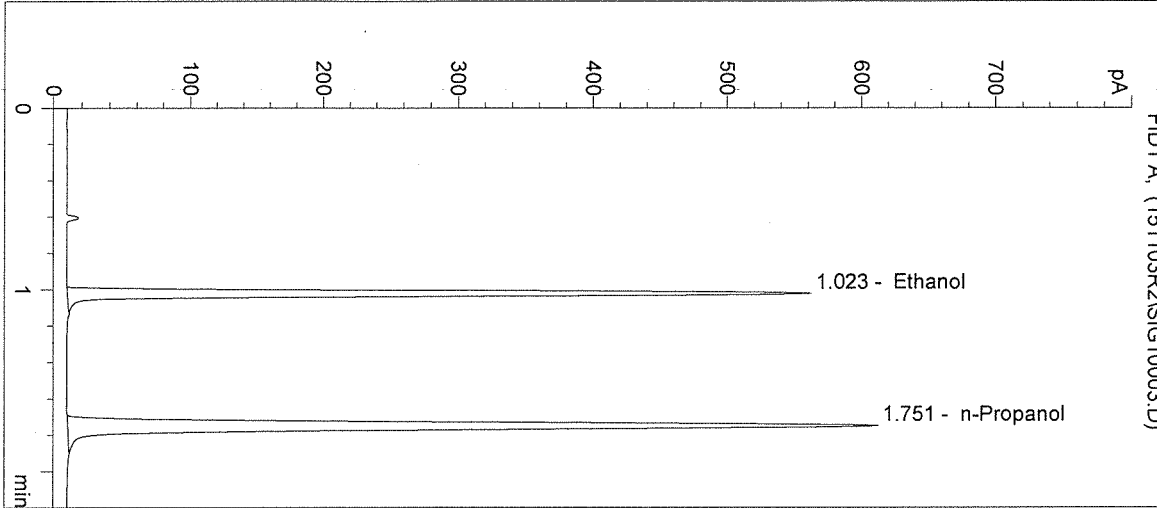
n-Propanol 0.012 g/100mL

RF

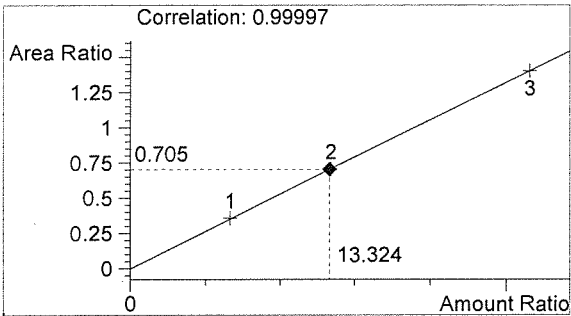
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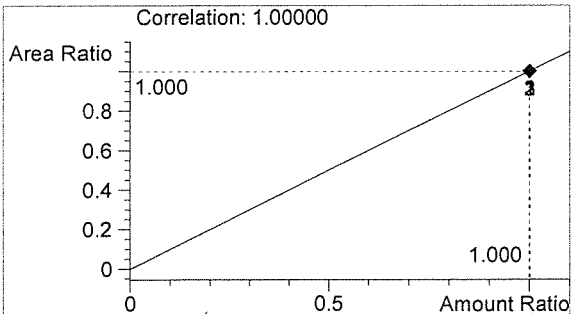
Inj. Date: 11/3/2015 2:56:34 PM Sample Name: CAL 2 (0.158)
Instrument: HSGC#3 Operator: Rebecca Flaherty
Column: DB-ALC2 Location: Vial 3
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 2: 0.158 g/100mL
15048



#	Compound	Peak Area	RT (min)
1	Ethanol	1153	1.023
2	n-Propanol	1635	1.751



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: 11/3/2015 2:59:50 PM

Sample Name: CAL 3 (0.316)

Instrument: HSGC#3

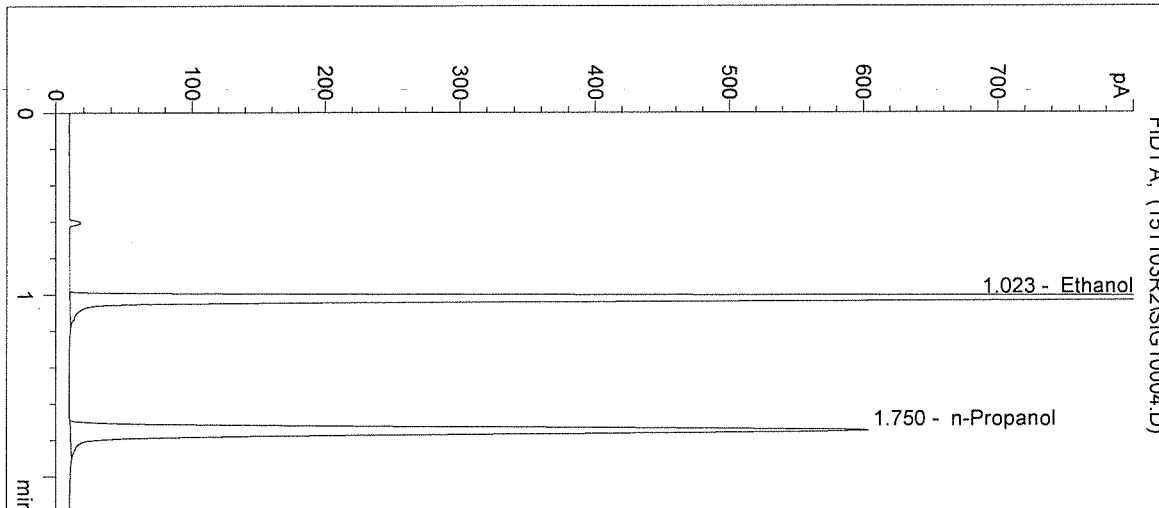
Operator: Rebecca Flaherty

Column: DB-ALC2

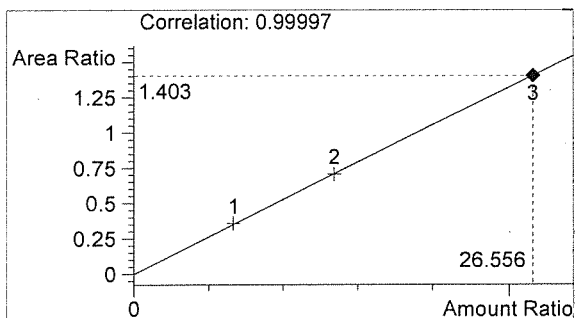
Location: Vial 4

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

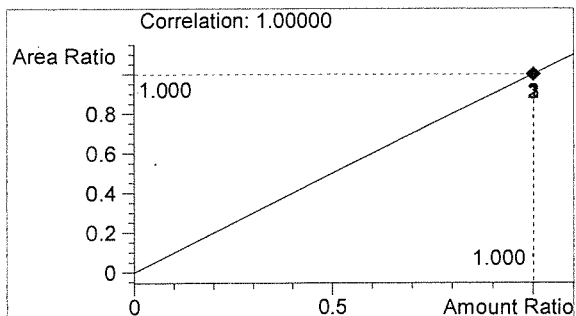
Sample Info: CAL 3: 0.316 g/100mL
15048



#	Compound	Peak Area	RT (min)
1	Ethanol	2255	1.023
2	n-Propanol	1606	1.750



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: 11/3/2015 3:03:04 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

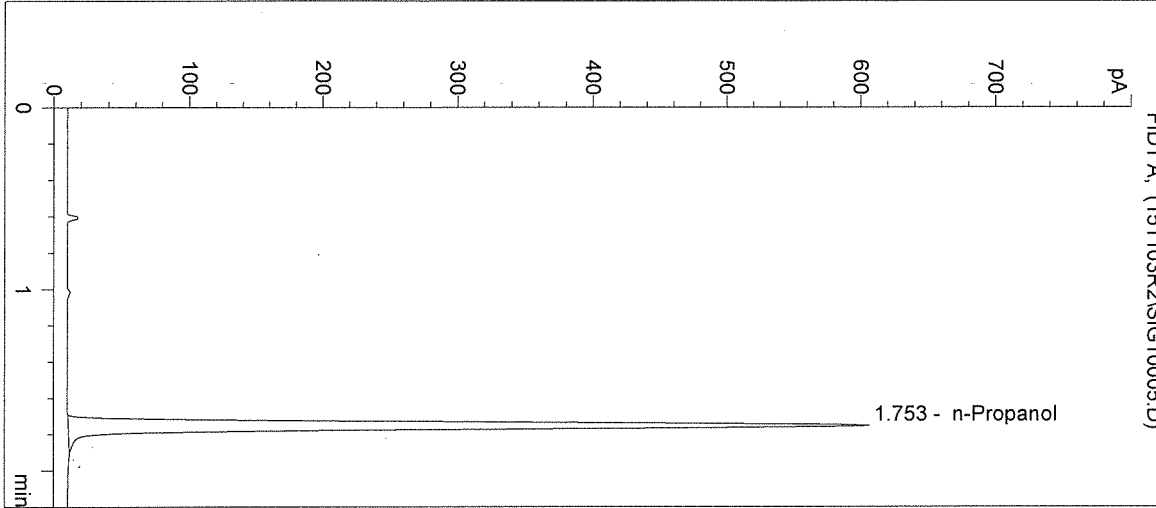
Operator: Rebecca Flaherty

Column: DB-ALC2

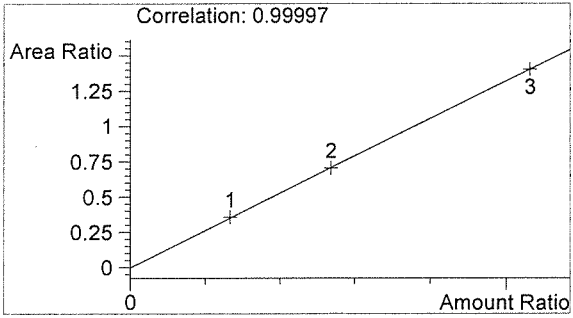
Location: Vial 5

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

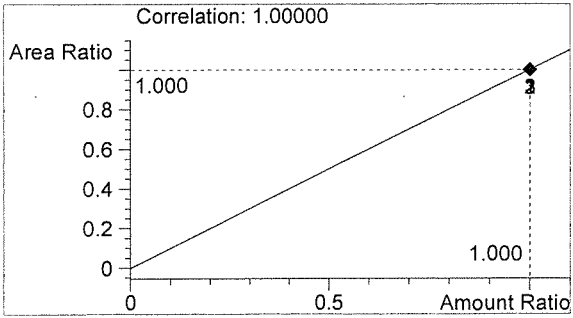
Sample Info: 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1613	1.753



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: 11/3/2015 3:06:17 PM

Sample Name: CTRL 1 (0.04)

Instrument: HSGC#3

Operator: Rebecca Flaherty

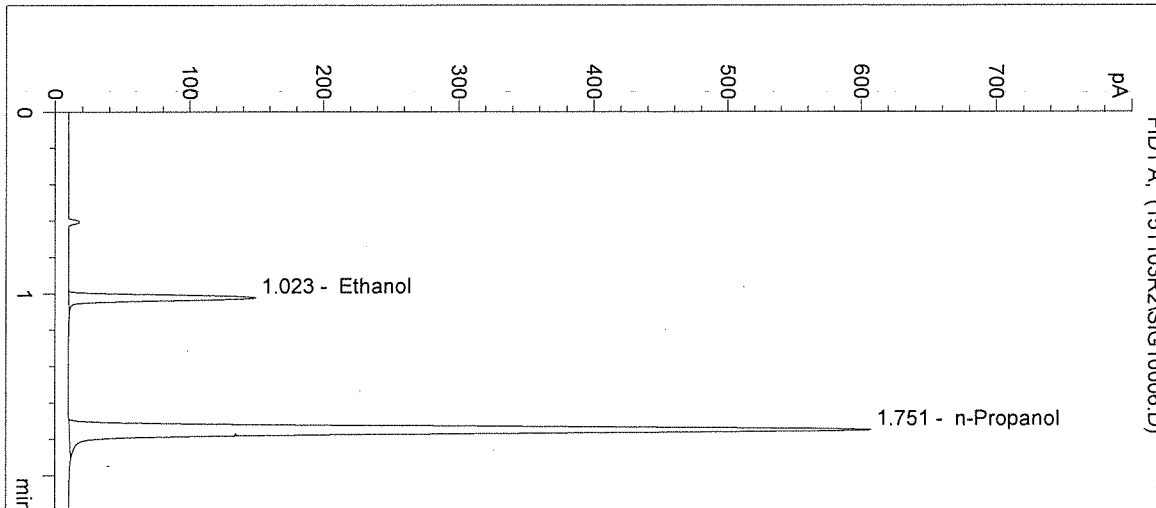
Column: DB-ALC2

Location: Vial 6

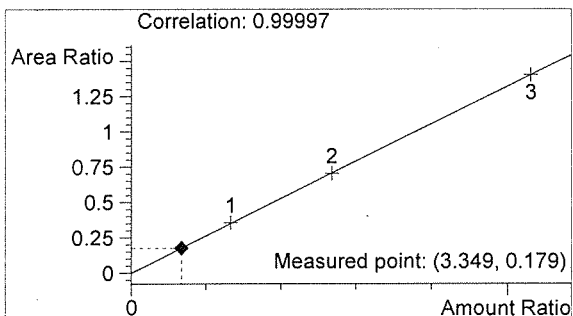
Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Info: CTRL 1: 0.04 g/100mL
15048

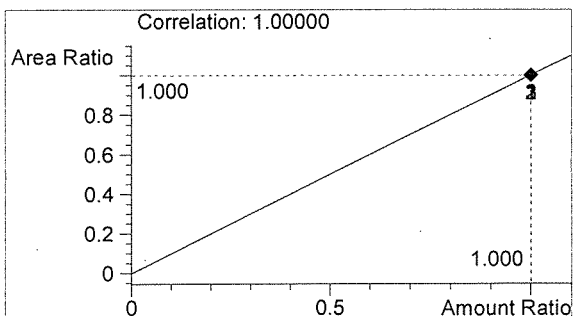
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#	Compound	Peak Area	RT (min)
1	Ethanol	289	1.023
2	n-Propanol	1618	1.751



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

RF

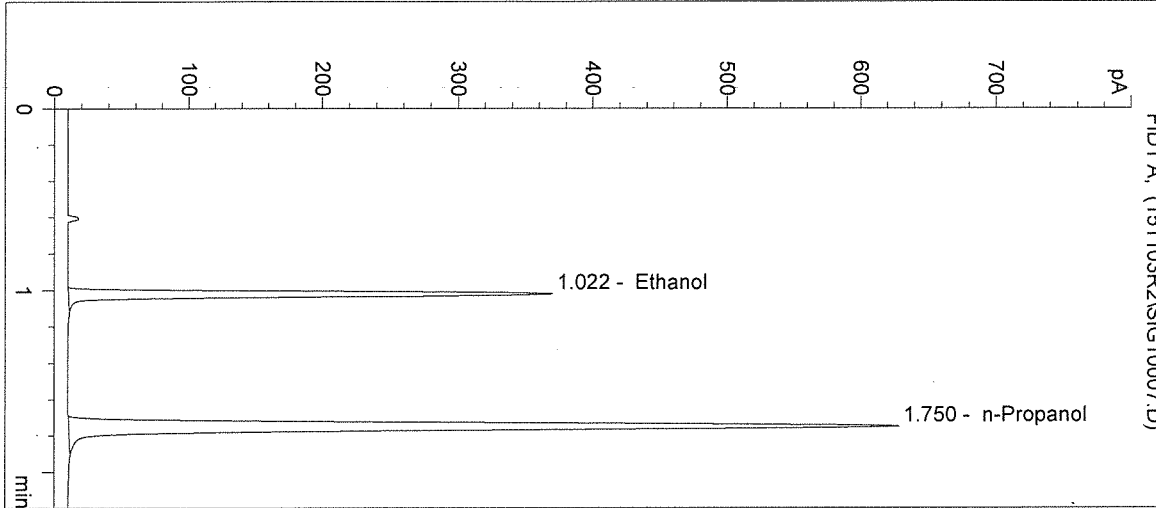
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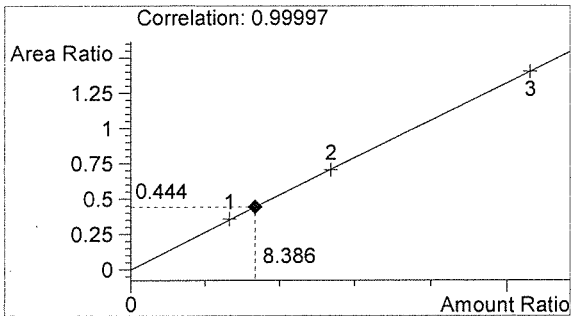
Inj. Date: 11/3/2015 3:09:30 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 2: 0.10 g/100mL
 15048

Sample Name: CTRL 2 (0.10)
 Operator: Rebecca Flaherty
 Location: Vial 7

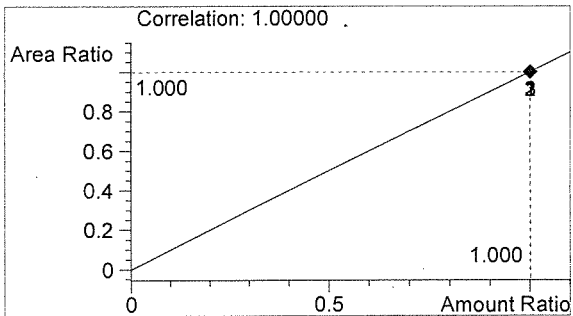
->



#	Compound	Peak Area	RT (min)
1	Ethanol	743	1.022
2	n-Propanol	1671	1.750



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

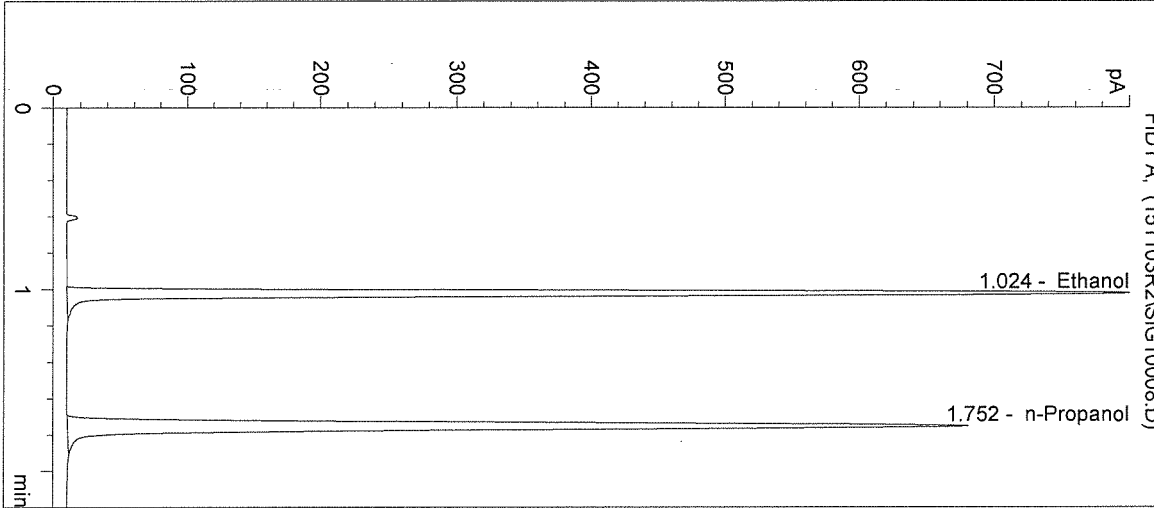
RF

RF

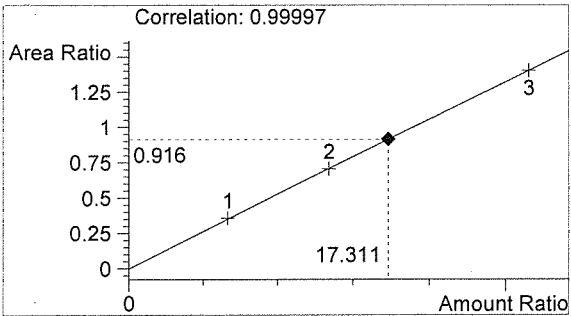
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/3/2015 3:12:44 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: CTRL 3: 0.20 g/100mL
 15048

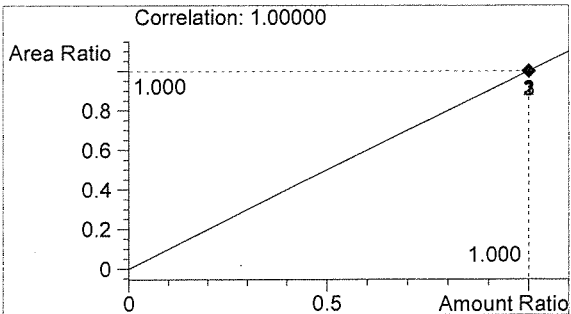
Sample Name: CTRL 3 (0.20)
 Operator: Rebecca Flaherty
 Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1662	1.024
2	n-Propanol	1816	1.752



Ethanol 0.208 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: 11/3/2015 3:15:57 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

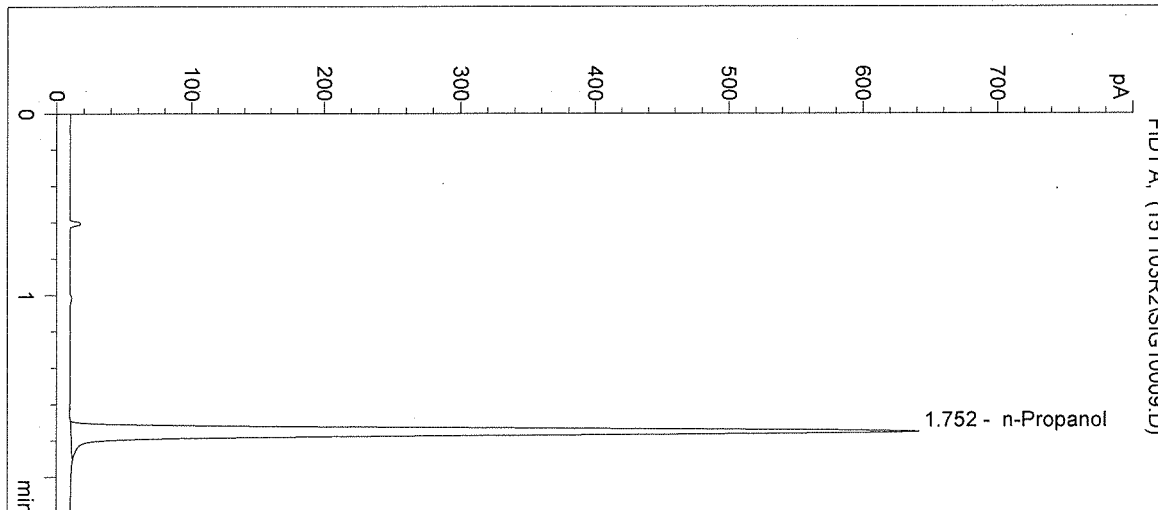
Operator: Rebecca Flaherty

Column: DB-ALC2

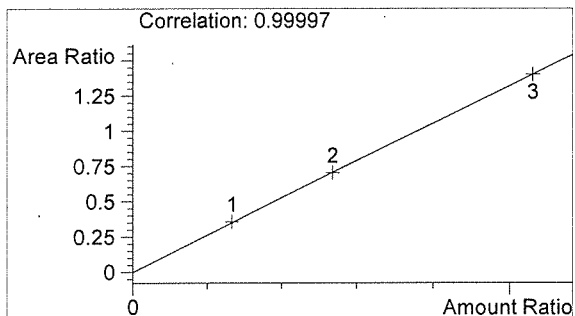
Location: Vial 9

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

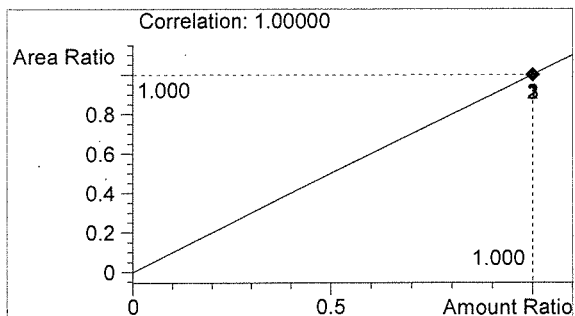
Sample Info: 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1706	1.752



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: 11/3/2015 3:19:10 PM

Sample Name: 15048 #1

Instrument: HSGC#3

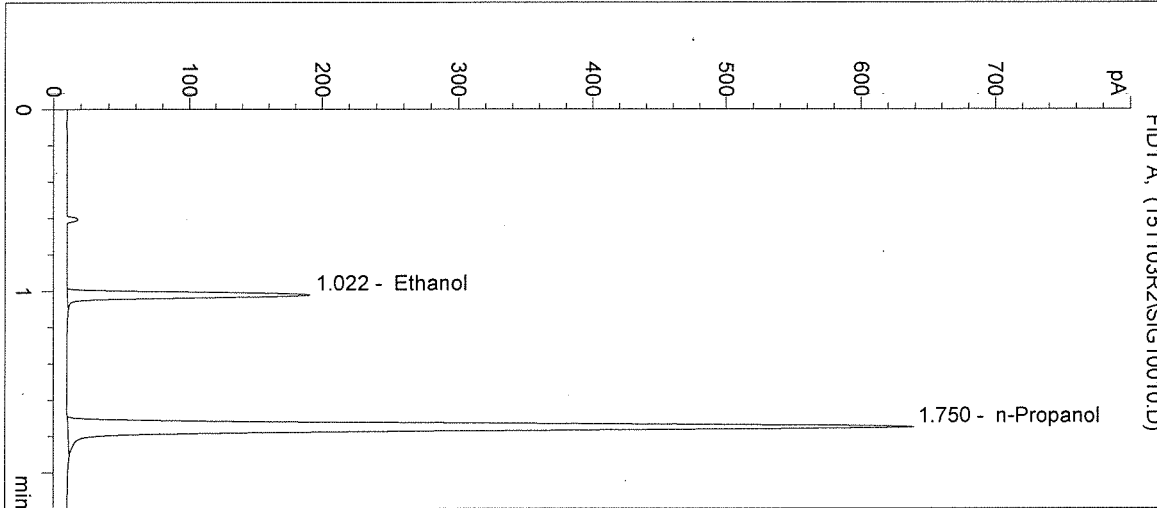
Operator: Rebecca Flaherty

Column: DB-ALC2

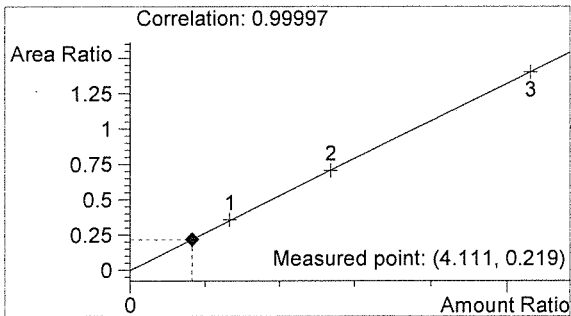
Location: Vial 10

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

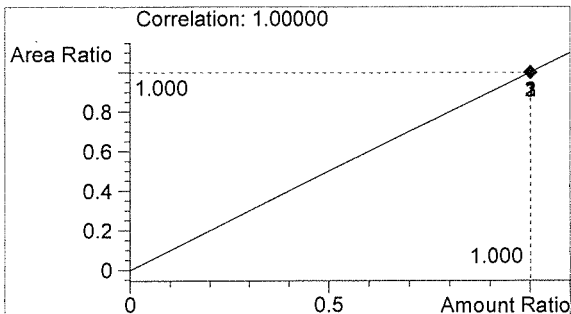
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	373	1.022
2	n-Propanol	1702	1.750



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 11/3/2015 3:22:24 PM

Sample Name: 15048 #2

Instrument: HSGC#3

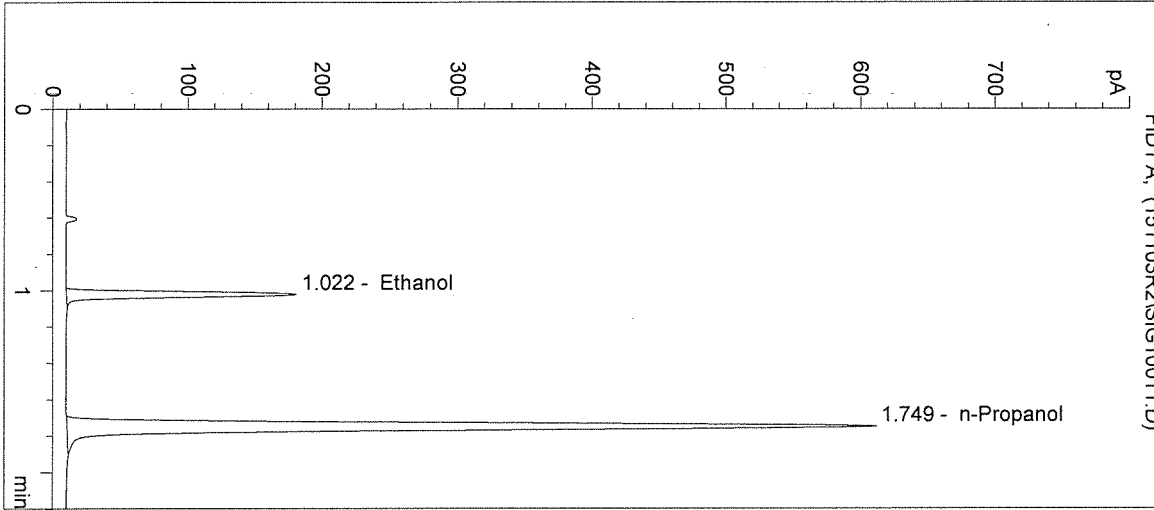
Operator: Rebecca Flaherty

Column: DB-ALC2

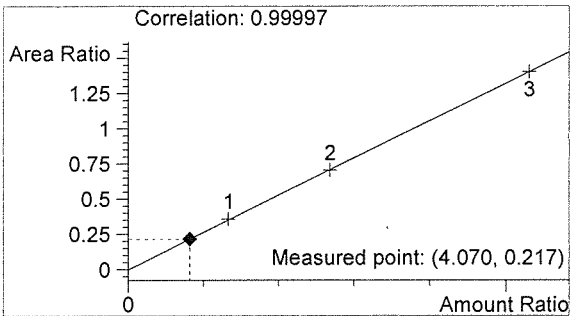
Location: Vial 11

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

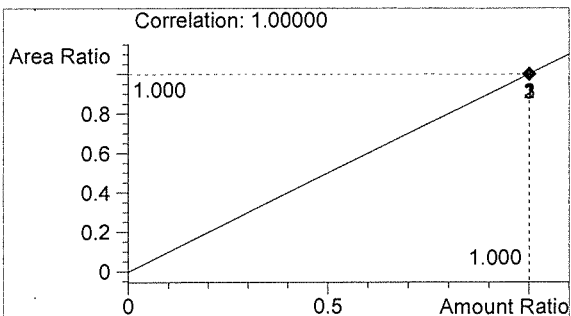
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.022
2	n-Propanol	1628	1.749



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 11/3/2015 3:25:37 PM

Sample Name: 15048 #3

Instrument: HSGC#3

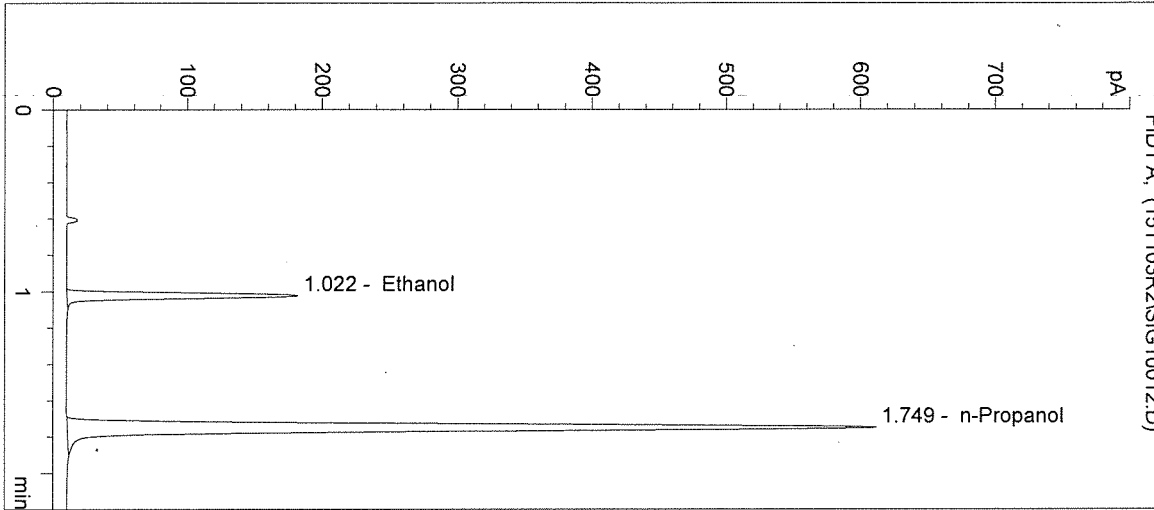
Operator: Rebecca Flaherty

Column: DB-ALC2

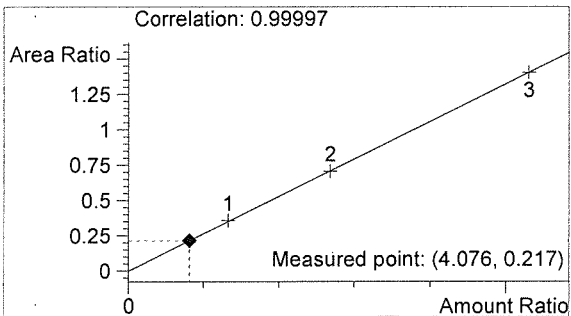
Location: Vial 12

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

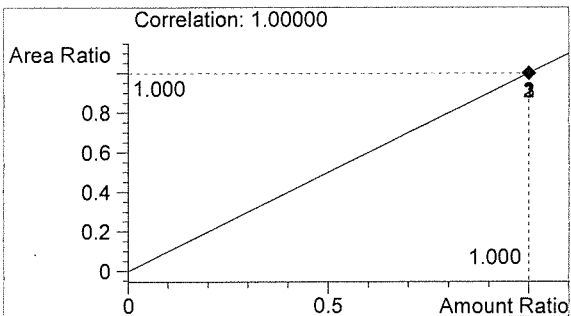
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.022
2	n-Propanol	1628	1.749



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 11/3/2015 3:28:50 PM

Sample Name: 15048 #4

Instrument: HSGC#3

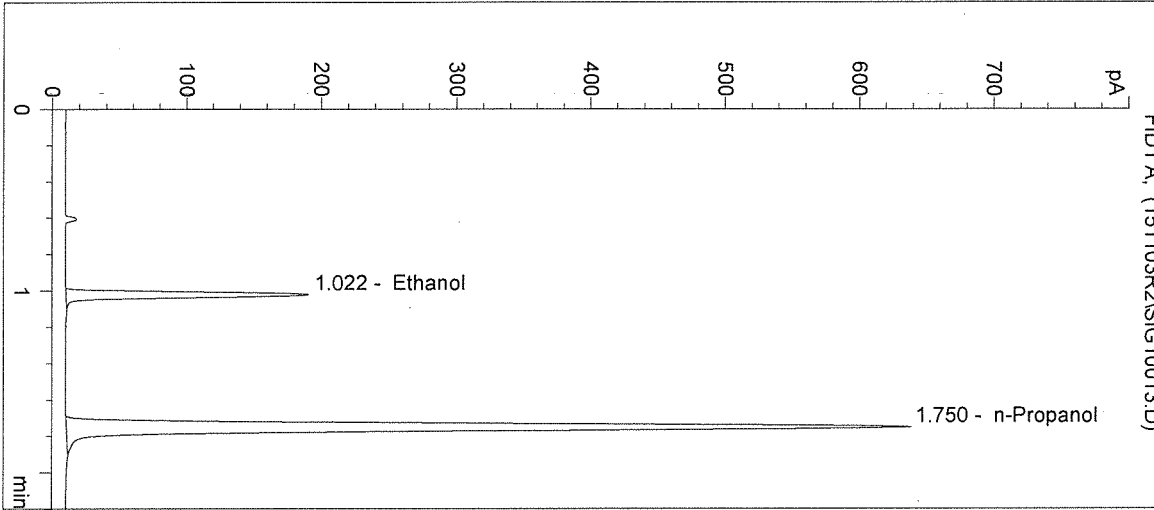
Operator: Rebecca Flaherty

Column: DB-ALC2

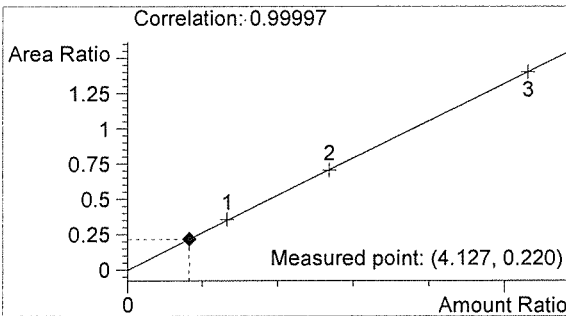
Location: Vial 13

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

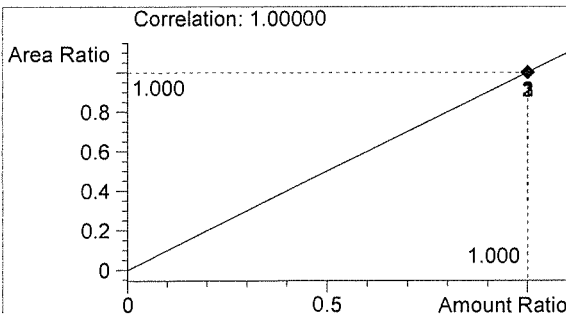
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	374	1.022
2	n-Propanol	1701	1.750



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

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

Inj. Date: 11/3/2015 3:32:04 PM

Sample Name: 15048 #5

Instrument: HSGC#3

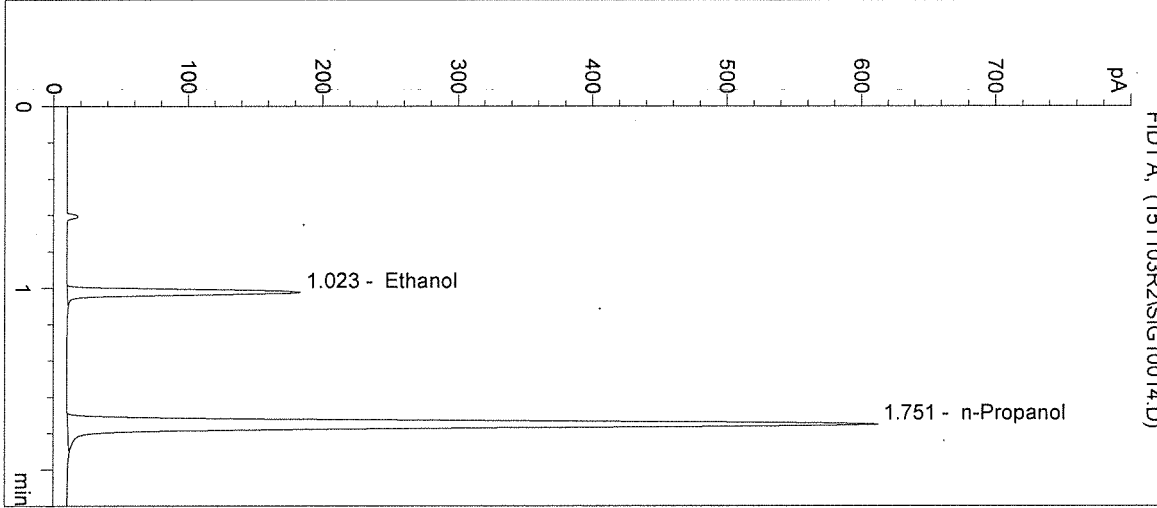
Operator: Rebecca Flaherty

Column: DB-ALC2

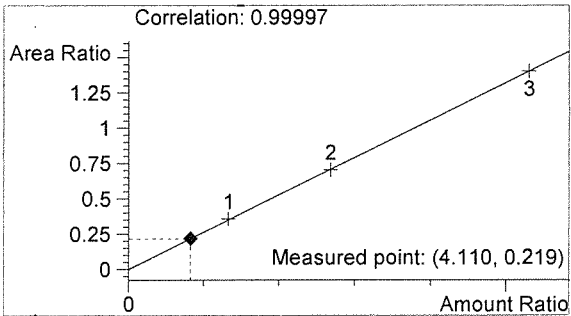
Location: Vial 14

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

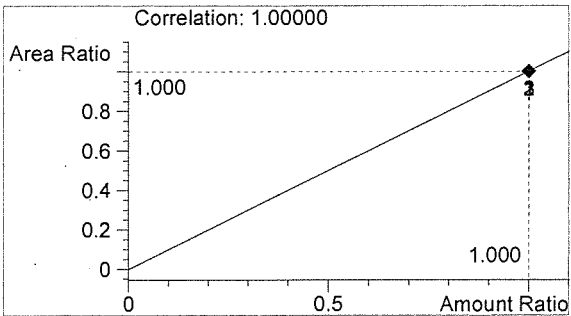
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	357	1.023
2	n-Propanol	1634	1.751



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

RF

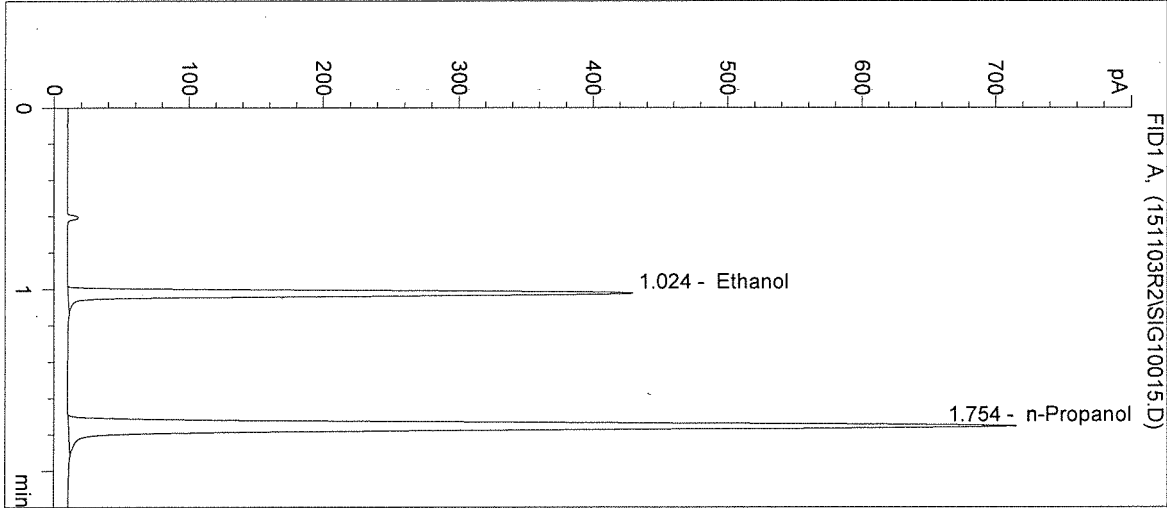
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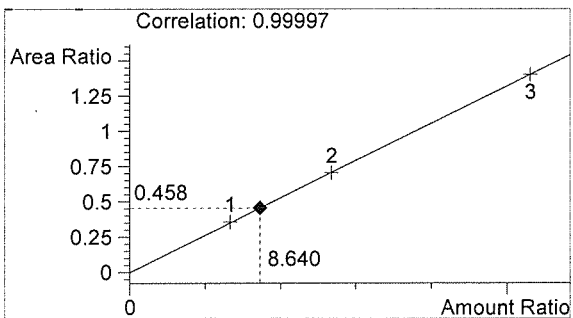
Inj. Date: 11/3/2015 3:35:17 PM
 Instrument: HSGC#3
 Column: DB-ALC2
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info: POS CTRL: 0.10 g/100mL
 15048

Sample Name: POS CTRL (0.10)
 Operator: Rebecca Flaherty
 Location: Vial 15

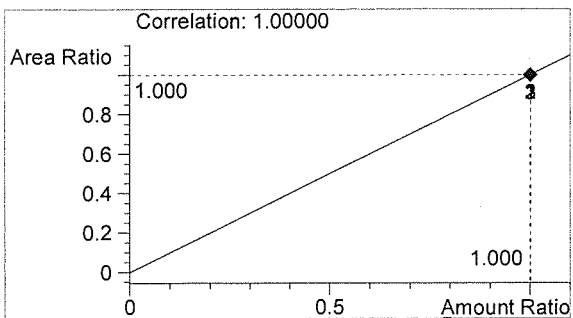
->



#	Compound	Peak Area	RT (min)
1	Ethanol	876	1.024
2	n-Propanol	1912	1.754



Ethanol 0.104 g/100mL



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 11/3/2015 3:38:30 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

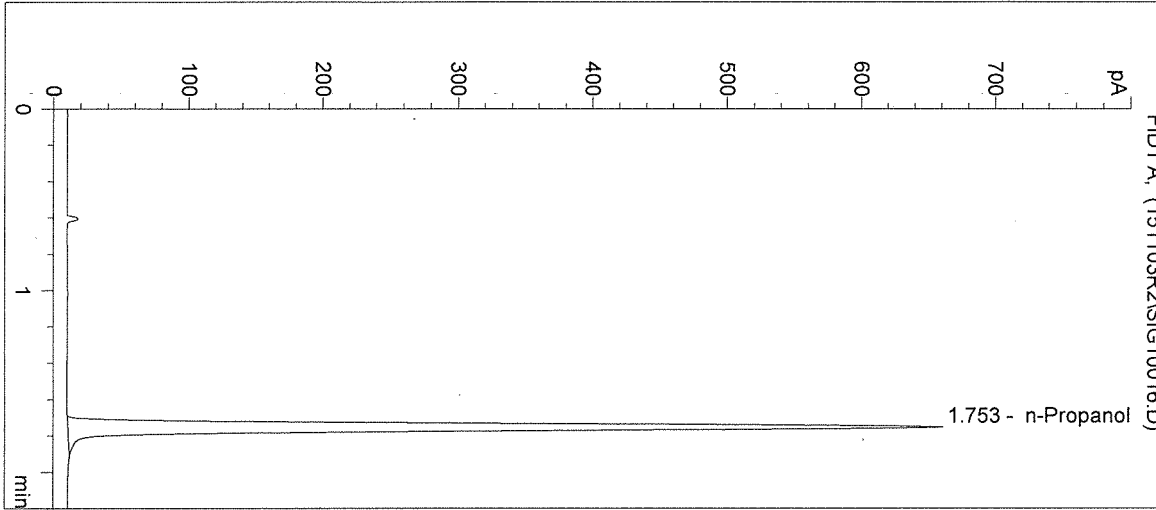
Operator: Rebecca Flaherty

Column: DB-ALC2

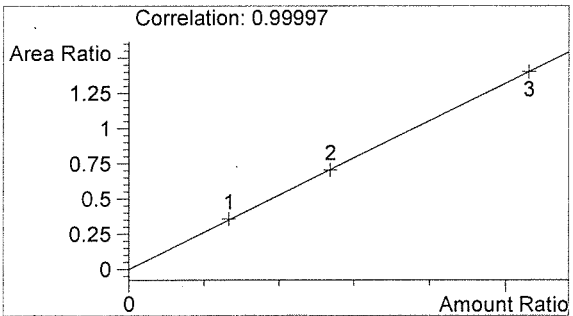
Location: Vial 16

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

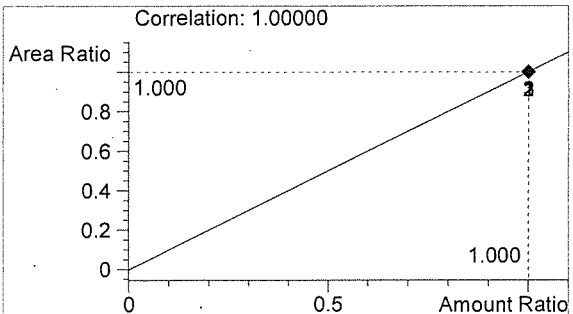
Sample Info: 15048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1767	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

RF

RF