



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15031

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: 06/25/2015
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Rebecca Flaherty

	RF	LL	JLK
1	0.100	0.100	0.100
2	0.100	0.099	0.100
3	0.100	0.099	0.101
4	0.100	0.101	0.101
5	0.100	0.100	0.100
C	0.101	0.101	0.101

ETHANOL CONTROL INFORMATION


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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1001 g/100mL PRECISION CV (%): 0.59
STANDARD DEVIATION: 0.00059 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0814 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

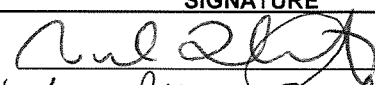
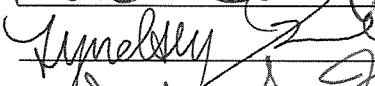
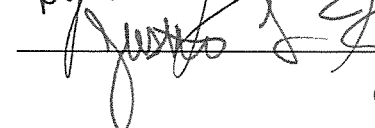


Lisa Noble Forensic Scientist Supervisor

8/17/15

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
RF	Rebecca Flaherty		06/25/2015
LL	Lyndsey Lowe		06/30/2015
JLK	Justin L. Knoy		07/15/2015

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 #: 15031

Date Prepared: 6/25/2015

Analyst:	RF	LL	JLK
Date Tested:	6/25/2015	6/30/2015	7/15/2015
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.100	0.100	0.100
2	0.100	0.099	0.100
3	0.100	0.099	0.101
4	0.100	0.101	0.101
5	0.100	0.100	0.100
C	0.101	0.101	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000023461	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.1001 g/100mL
Standard Deviation: 0.00059 g/100mL
Precision CV (%): 0.59
Equivalent Vapor Concentration: 0.0814 g/210L
Combined Standard Uncertainty (\pm): 0.0009 g/210L
Expanded Uncertainty (\pm): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 8/3/15
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 8-17-15
Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 8/3/15
Name Signature Date

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 8-17-15

Location: WSP-FLSB Seattle, WA Solution Batch Number: 15031

	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: 8-17-15



SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy	JK	8.4.15
Katie Harris		
Lyndsey Lowe	L	8.2.15
Naziha Nuwayhid		
Rebecca Flaherty	RF	8.4.15

Batch # 15031 In 8/13/15

Washington State Patrol Toxicology Laboratory Division

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 15031**


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 15031, was prepared in the Washington State Toxicology Laboratory on 6/25/2015. 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 6/25/2016.

Seattle, WA

 8.4.15

Rebecca Flaherty
Forensic Scientist

Date



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15031**

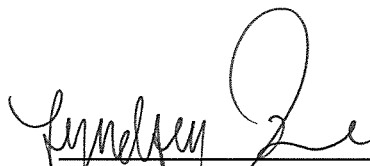
I, Lyndsey Lowe, do certify under penalty of perjury that:

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.

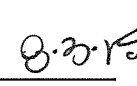
I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 15031, was prepared in the Washington State Toxicology Laboratory on 6/25/2015. 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 6/25/2016.

Seattle, WA



Lyndsey Lowe
Forensic Scientist



Date

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15031**

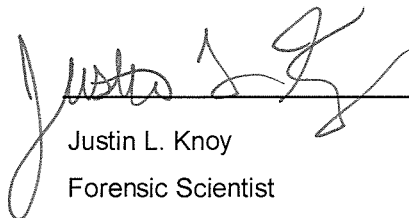
I, Justin L. Knoy, do certify under penalty of perjury that:

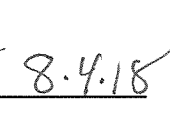
I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

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

The quality assurance procedure (QAP) solution, Lot Number 15031, was prepared in the Washington State Toxicology Laboratory on 6/25/2015. 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 6/25/2016.

Seattle, WA

 Justin L. Knoy
Forensic Scientist

 8.4.18
Date

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

Preparation Date: 6-25-15 Expiration Date: 6-25-16 Initials of Preparer: RF

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

Date the 200-proof Ethanol bottle was opened: 6-16-15

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

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input type="checkbox"/>	
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>15031</u>
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

6-25-15
Date

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

Comments:


Analyst Signature

6-25-15
Date

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\1\DATA\
 Data Subdirectory: 150625RF
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

0.079 g/100mL Ethanol Calibrator 1 Lot#E0615-01 Exp. 12/02/15
 0.158 g/100mL Ethanol Calibrator 2 Lot#E0615-02 Exp. 12/02/15
 0.316 g/100mL Ethanol Calibrator 3 Lot#E0615-03 Exp. 12/02/15
 CTRL 1-(0.04 g/100mL)-Lot#FN05011301 Exp. 05/2018
 CTRL 2-(0.10 g/100mL)-Lot#FN08051301 Exp. 10/2018
 CTRL 3-(0.20 g/100mL)-Lot#FN03211401 Exp. 06/2019
 n-propanol ISTD-Lot#P0615 Exp. 09/04/15

 Calibration vials 1-9 filed with 15031.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	15031-1	SIMALC1	1	Sample		
11	Vial 11	15031-2	SIMALC1	1	Sample		
12	Vial 12	15031-3	SIMALC1	1	Sample		
13	Vial 13	15031-4	SIMALC1	1	Sample		
14	Vial 14	15031-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

RF

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

RF

Sequence Table (Back Injector):

No entries - empty table!

15031
Inst 3/15

RF

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

Calib. Data Modified : Thursday, June 25, 2015 12:26:31 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
1.037	1 1	7.97800e-2	891.11792	8.95280e-5	1	Ethanol
		1.60980e-1	1704.77930	9.44286e-5		
		3.18440e-1	3446.96655	9.23827e-5		
1.700	1 1	1.20000e-2	2336.92847	5.13495e-6	I1	n-Propanol
		1.20000e-2	2269.39307	5.28776e-6		
		1.20000e-2	2300.77783	5.21563e-6		

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

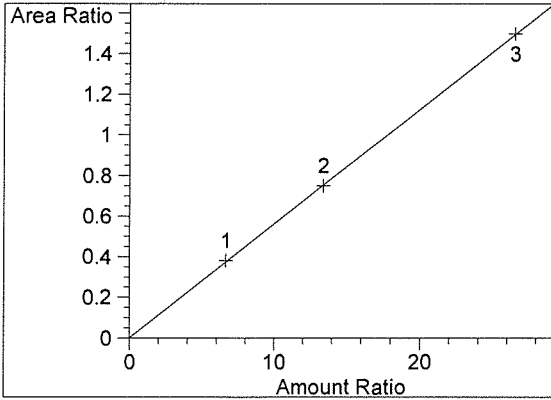
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15031

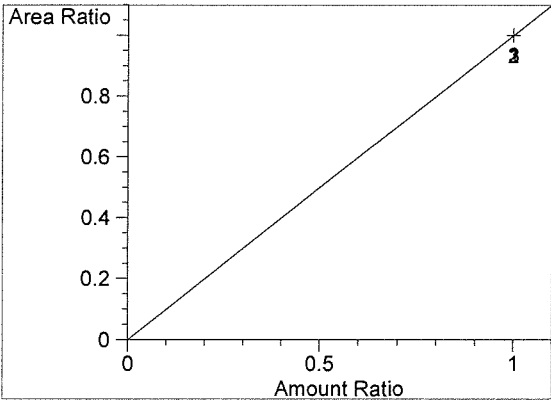
Inst 3/15

RF

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



Ethanol at exp. RT: 1.037
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00589
Formula: $y = mx + b$
m: 5.63510e-2
b: 1.18575e-3
x: Amount Ratio
y: Area Ratio



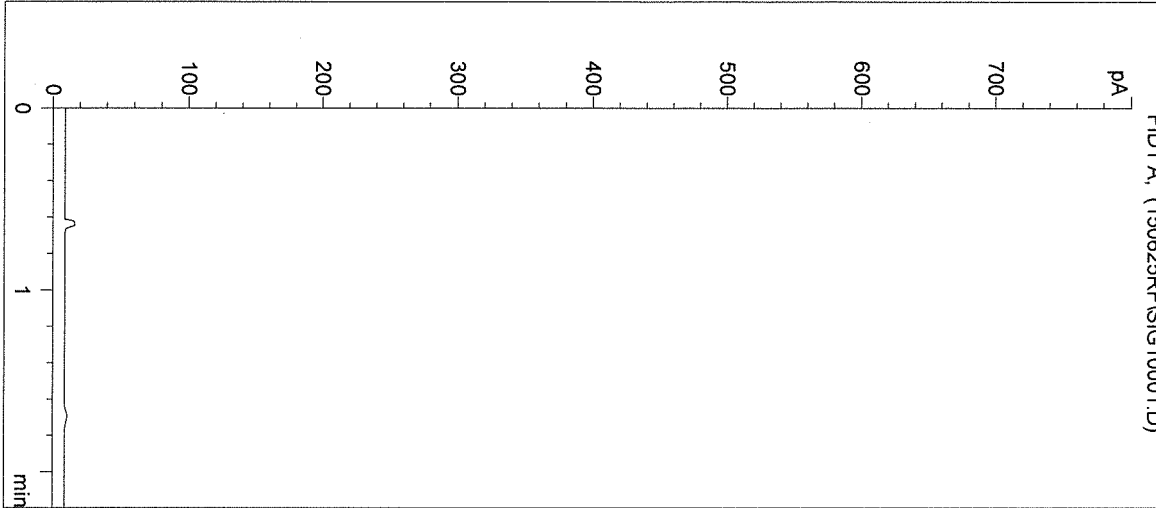
n-Propanol at exp. RT: 1.700
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

=====
15031

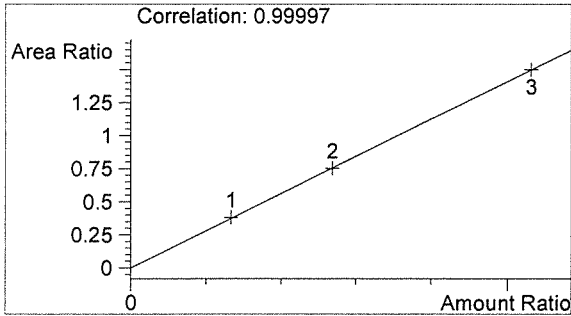
Ans 3/15

RF

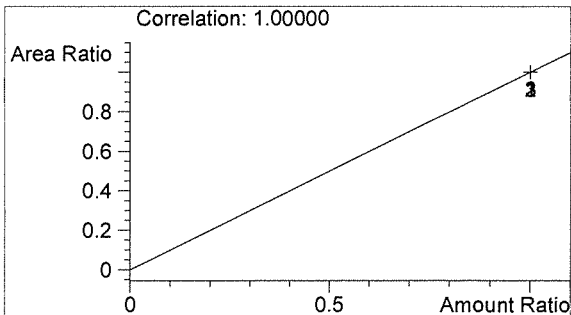
Inj. Date: 6/25/2015 12:14:27 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15031



#	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

Inj. Date: 6/25/2015 12:17:44 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

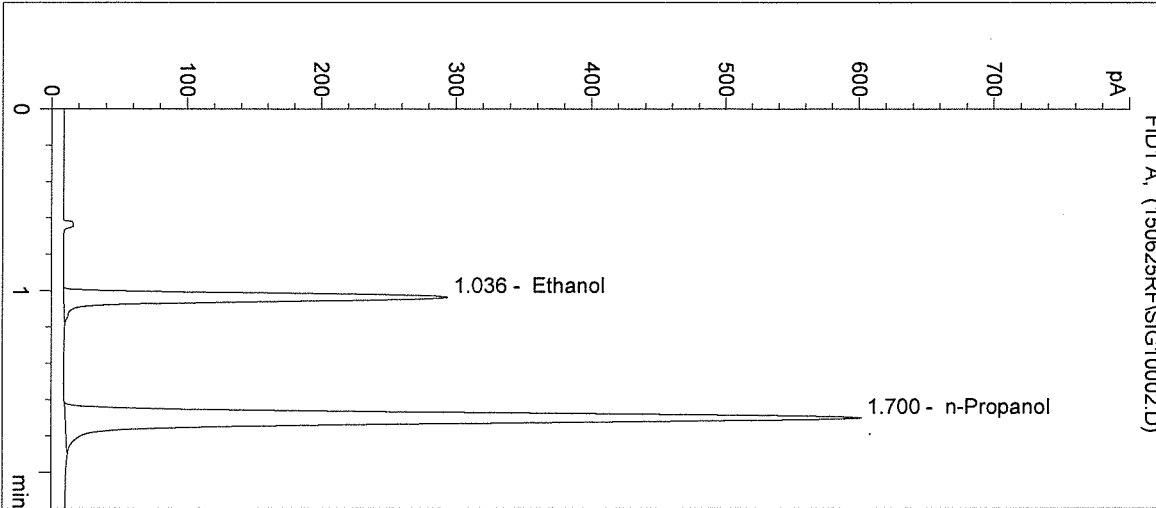
Operator: Rebecca Flaherty

Column: DB-ALC1

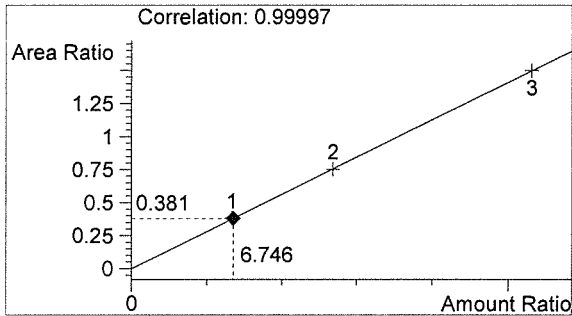
Location: Vial 2

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

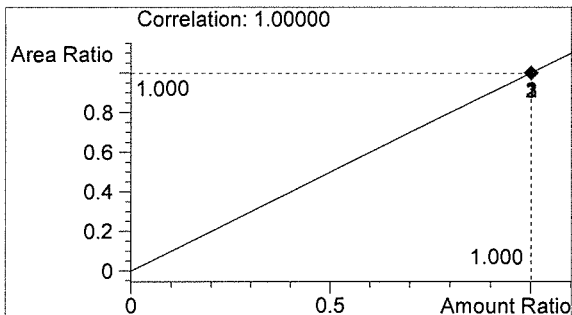
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	891	1.036
2	n-Propanol	2337	1.700



Ethanol 0.081 g/100mL



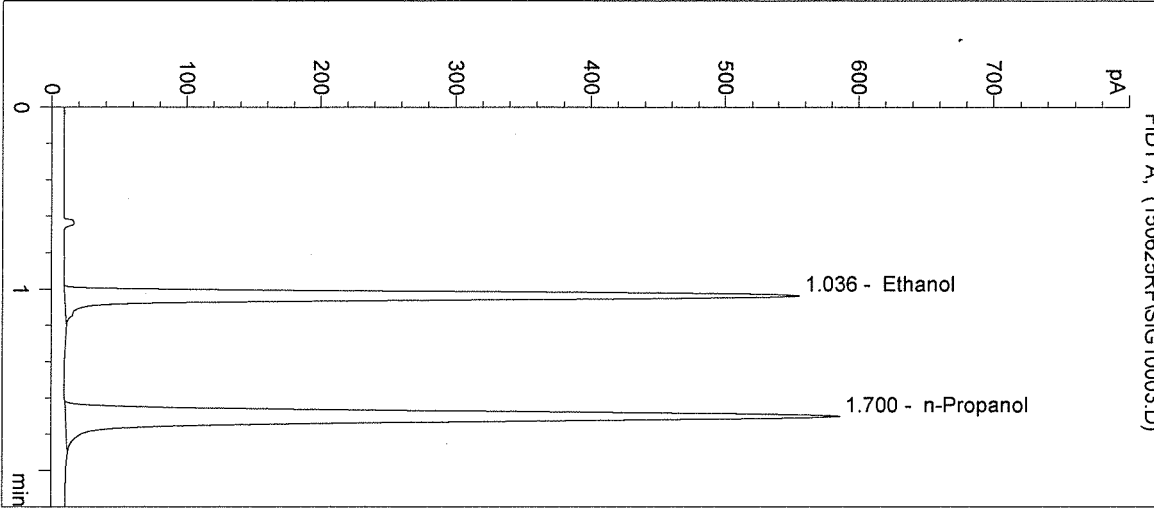
n-Propanol 0.012 g/100mL

RF

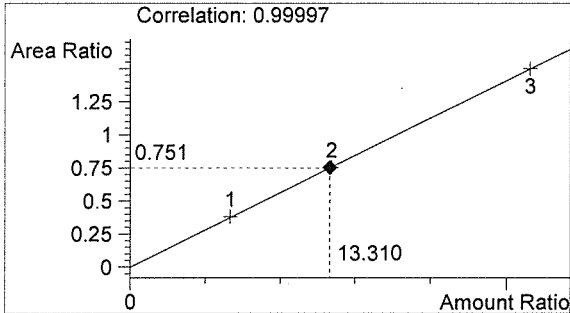
RF

Inj. Date: 6/25/2015 12:21:01 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 15031

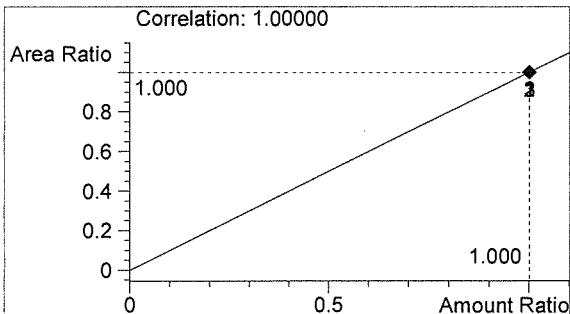
Sample Name: 0.158 CAL 2
 Operator: Rebecca Flaherty
 Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1705	1.036
2	n-Propanol	2269	1.700



Ethanol 0.160 g/100mL

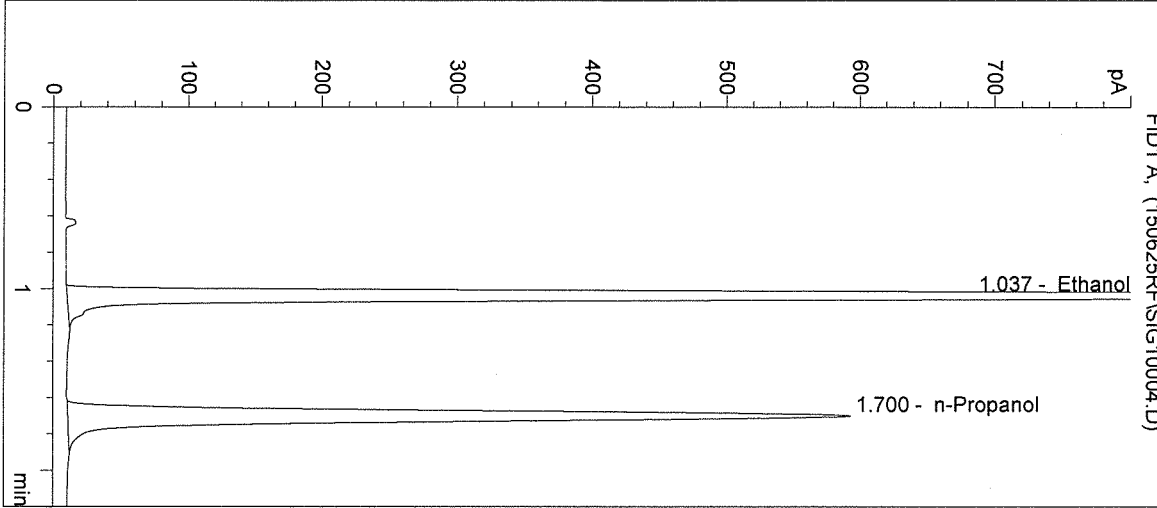


n-Propanol 0.012 g/100mL

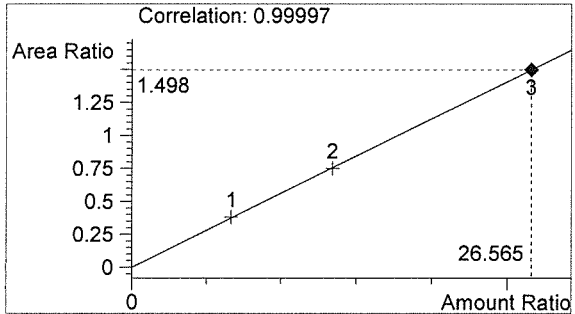
RF

RF

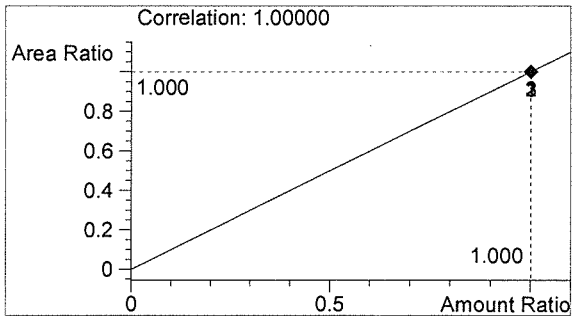
Inj. Date: 6/25/2015 12:24:18 PM Sample Name: 0.316 CAL 3
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 4
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	3447	1.037
2	n-Propanol	2301	1.700



Ethanol 0.319 g/100mL

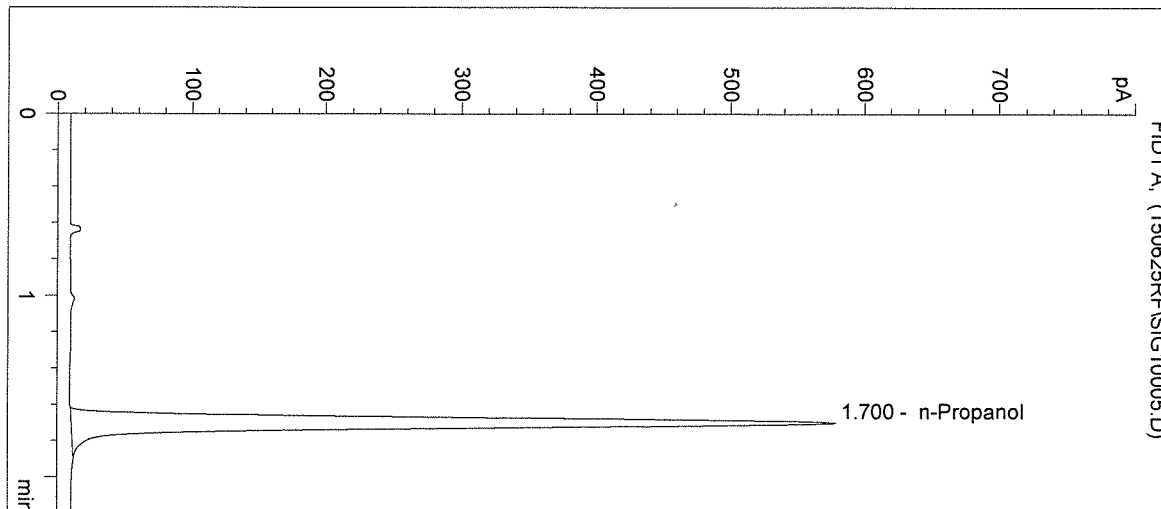


n-Propanol 0.012 g/100mL

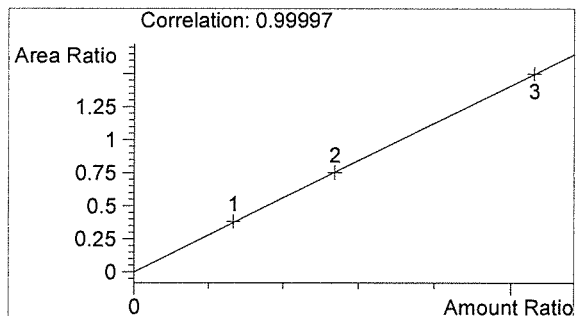
RF

RF

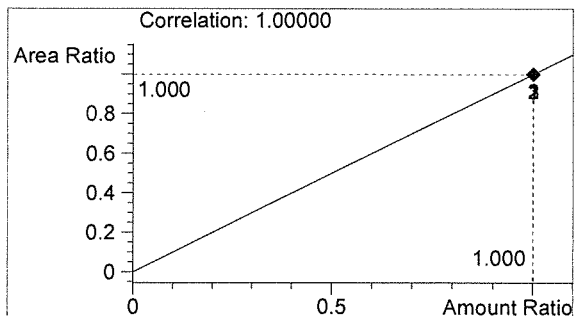
Inj. Date: 6/25/2015 12:27:31 PM Sample Name: NEG CTRL
 Instrument: HSGC#1 Operator: Rebecca Flaherty
 Column: DB-ALC1 Location: Vial 5
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2246	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

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

Inj. Date: 6/25/2015 12:30:45 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

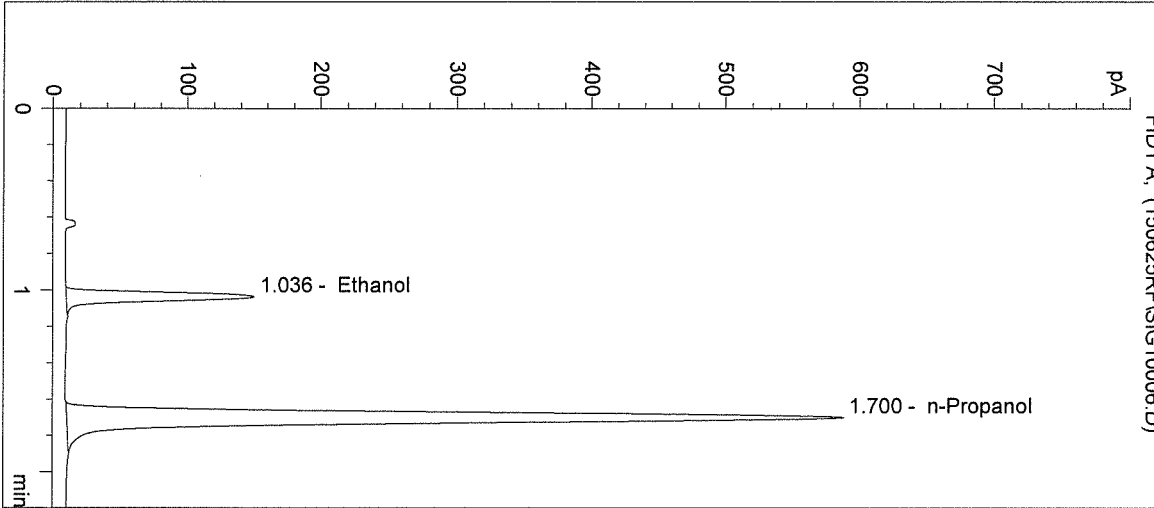
Operator: Rebecca Flaherty

Column: DB-ALC1

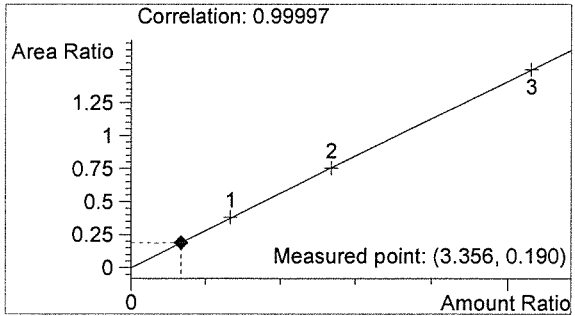
Location: Vial 6

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

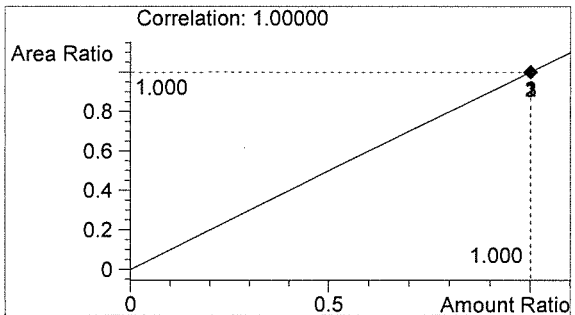
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	436	1.036
2	n-Propanol	2289	1.700



Ethanol 0.040 g/100mL

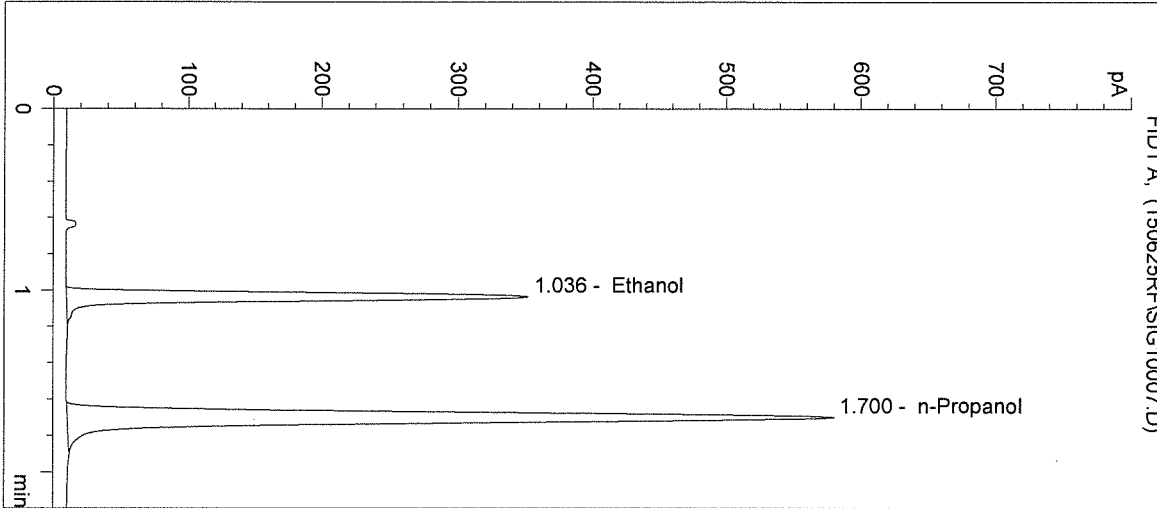


n-Propanol 0.012 g/100mL

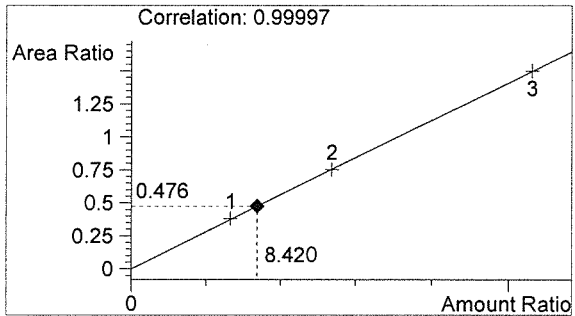
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RF

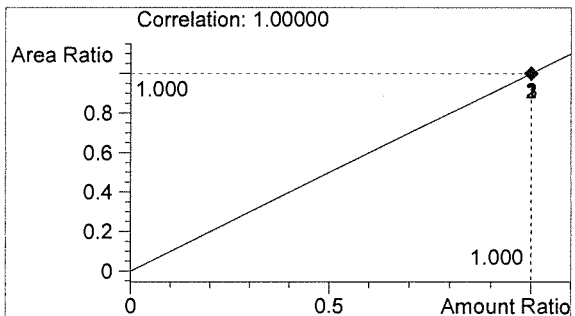
Inj. Date: 6/25/2015 12:33:58 PM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 7
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	1072	1.036
2	n-Propanol	2254	1.700



Ethanol 0.101 g/100mL



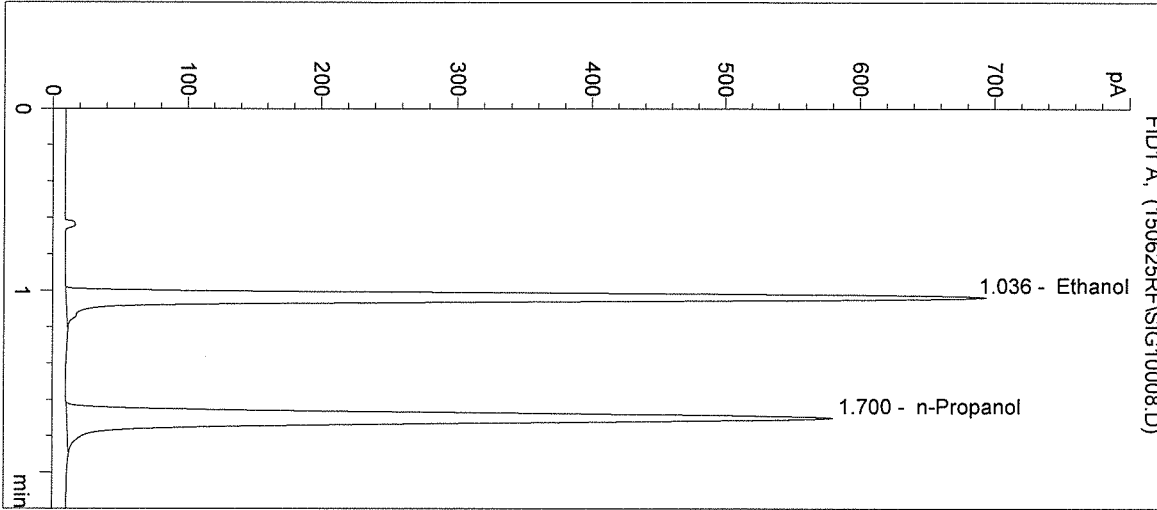
n-Propanol 0.012 g/100mL

RF

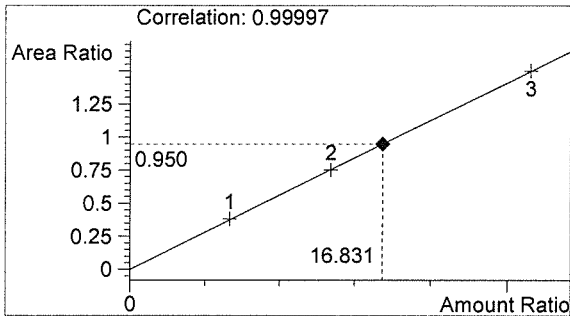
RF

Inj. Date: 6/25/2015 12:37:11 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 15031

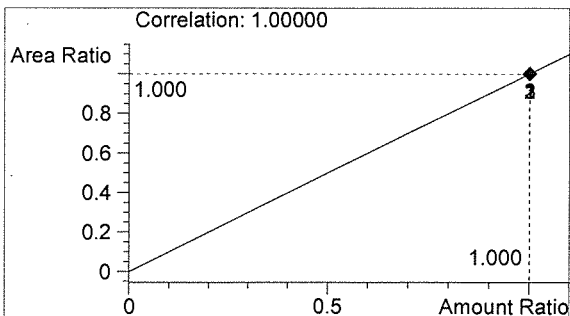
Sample Name: 0.20 CTRL
 Operator: Rebecca Flaherty
 Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2138	1.036
2	n-Propanol	2251	1.700



Ethanol 0.202 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 6/25/2015 12:40:24 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

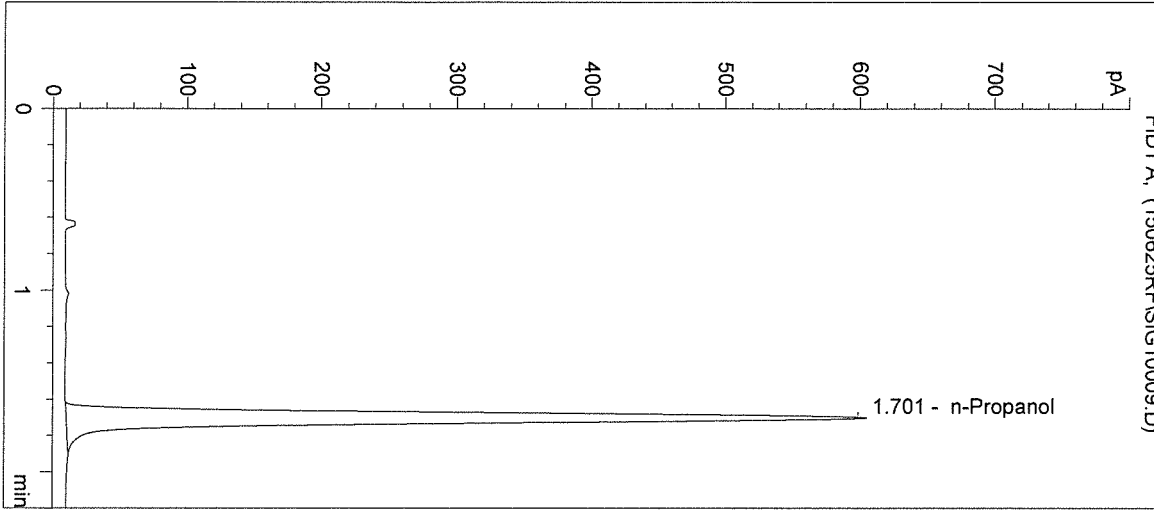
Operator: Rebecca Flaherty

Column: DB-ALC1

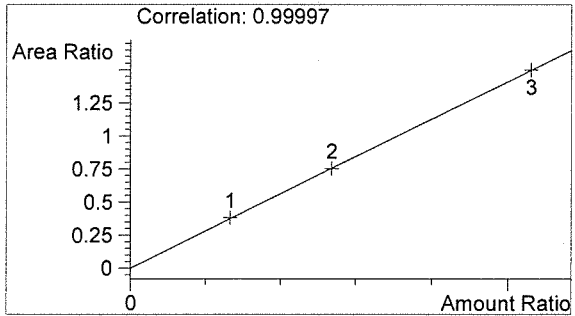
Location: Vial 9

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

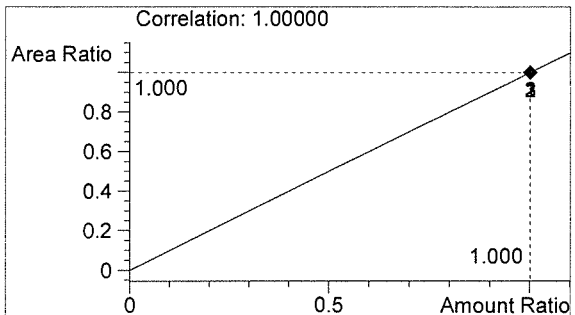
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2351	1.701



Ethanol 0.000 g/100mL

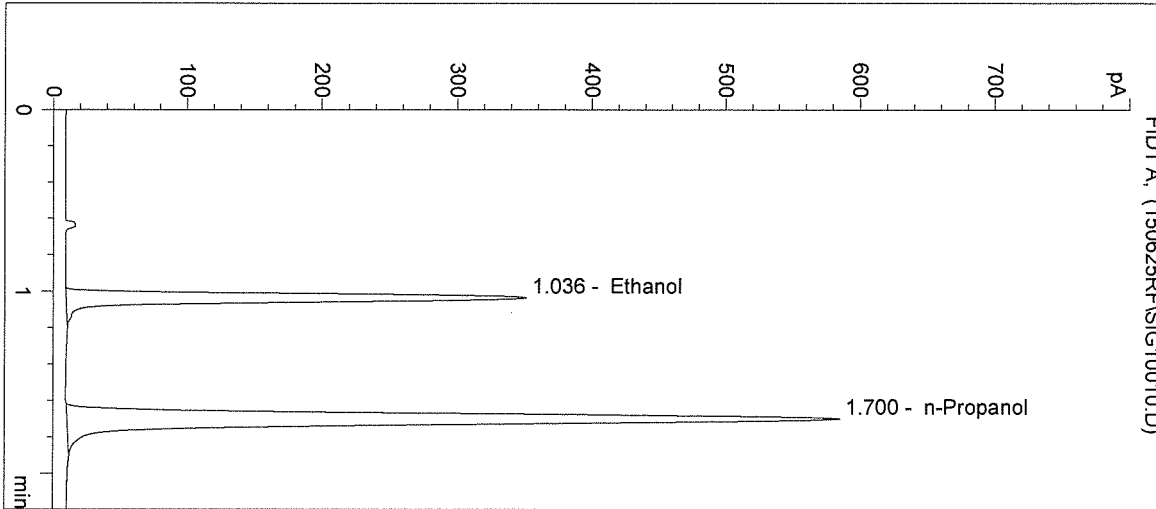


n-Propanol 0.012 g/100mL

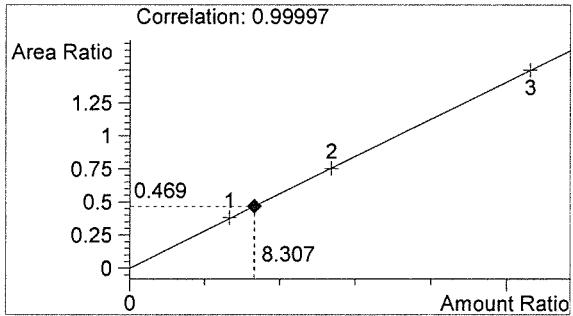
RF

RF

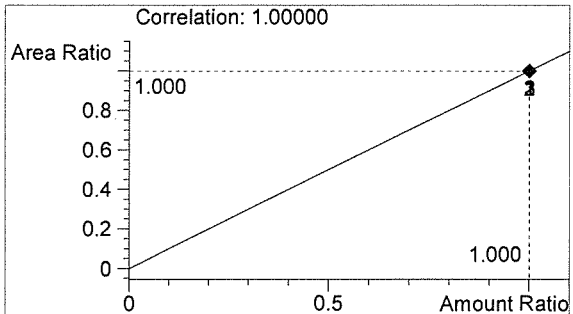
Inj. Date: 6/25/2015 12:43:38 PM Sample Name: 15031-1
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 10
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1067	1.036
2	n-Propanol	2273	1.700



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 6/25/2015 12:46:51 PM

Sample Name: 15031-2

Instrument: HSGC#1

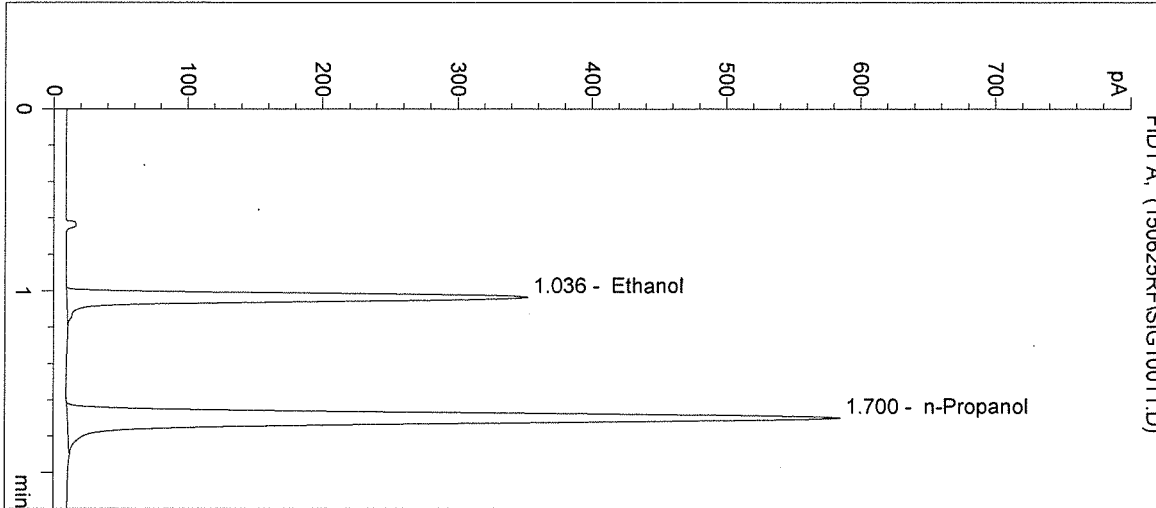
Operator: Rebecca Flaherty

Column: DB-ALC1

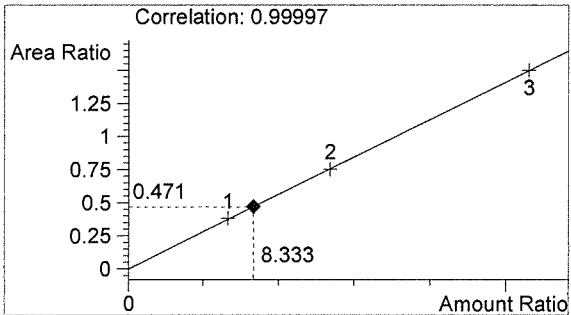
Location: Vial 11

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

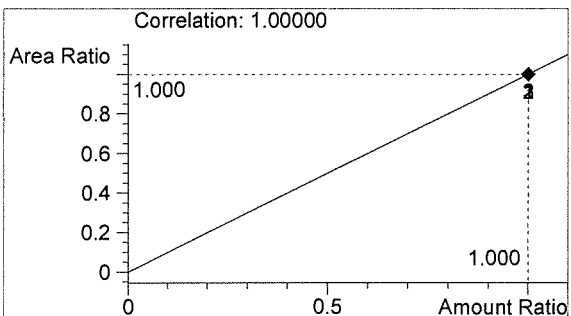
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1067	1.036
2	n-Propanol	2266	1.700



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 6/25/2015 12:50:05 PM

Sample Name: 15031-3

Instrument: HSGC#1

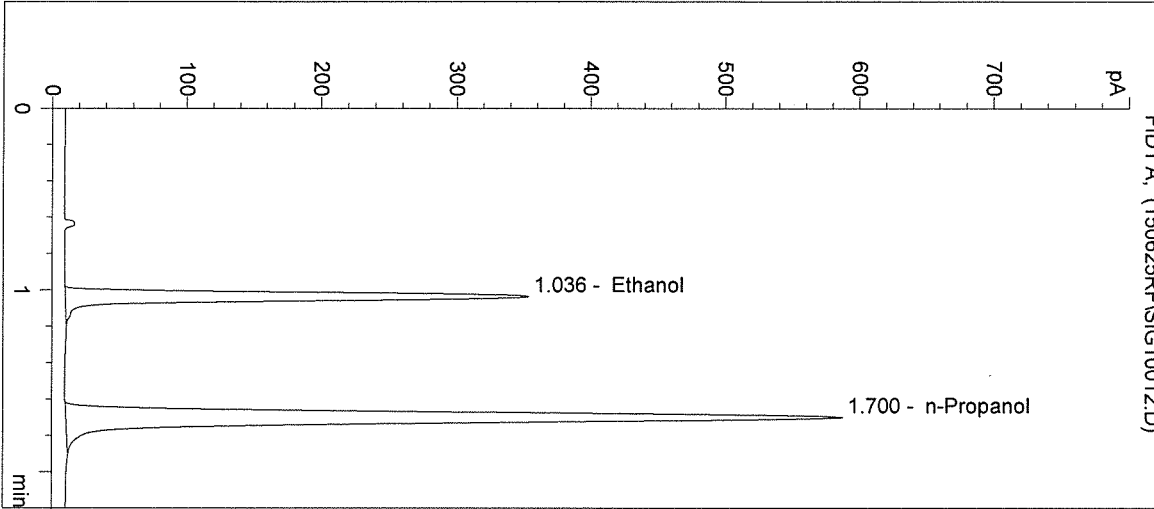
Operator: Rebecca Flaherty

Column: DB-ALC1

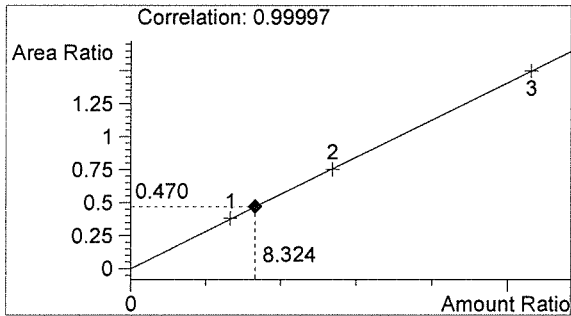
Location: Vial 12

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

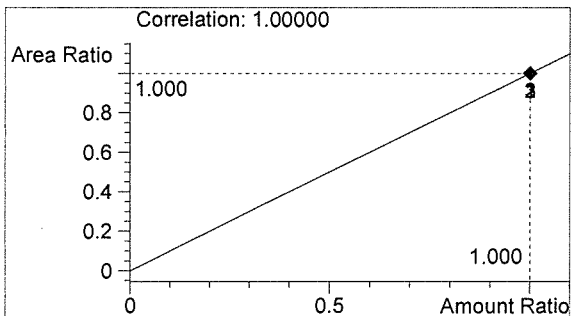
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1072	1.036
2	n-Propanol	2279	1.700



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 6/25/2015 12:53:16 PM

Sample Name: 15031-4

Instrument: HSGC#1

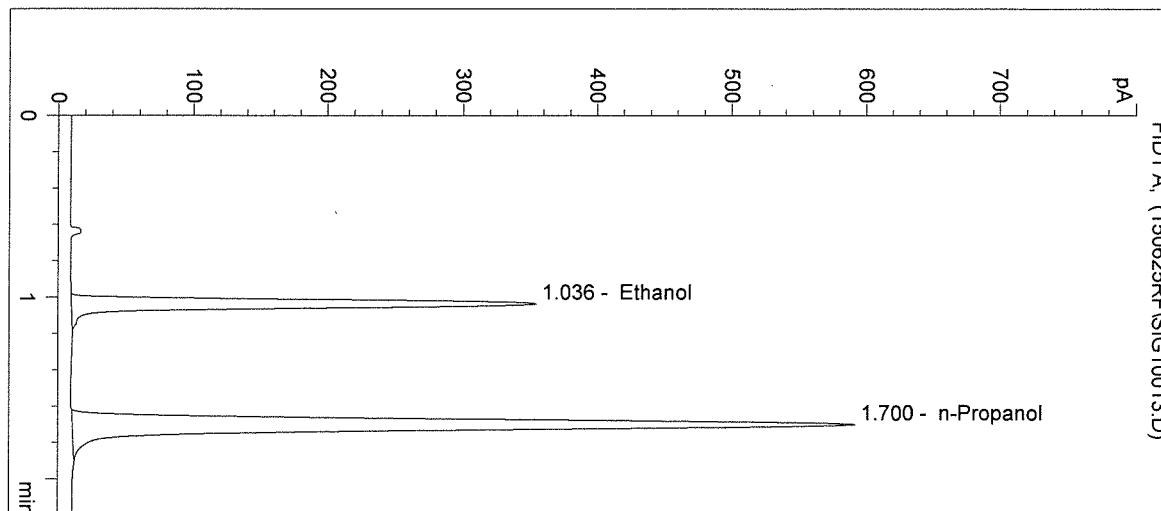
Operator: Rebecca Flaherty

Column: DB-ALC1

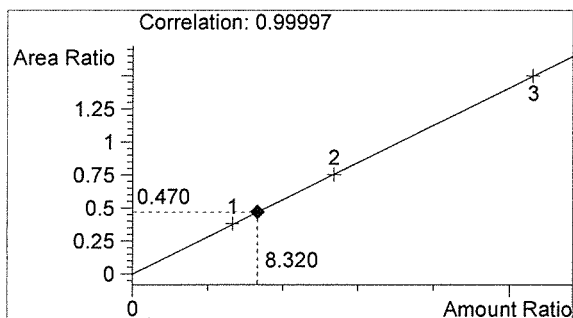
Location: Vial 13

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

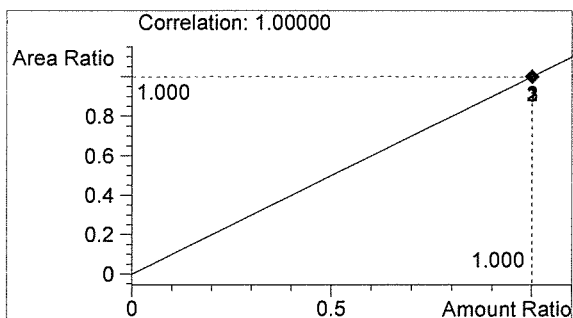
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1080	1.036
2	n-Propanol	2298	1.700



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 6/25/2015 12:56:29 PM

Sample Name: 15031-5

Instrument: HSGC#1

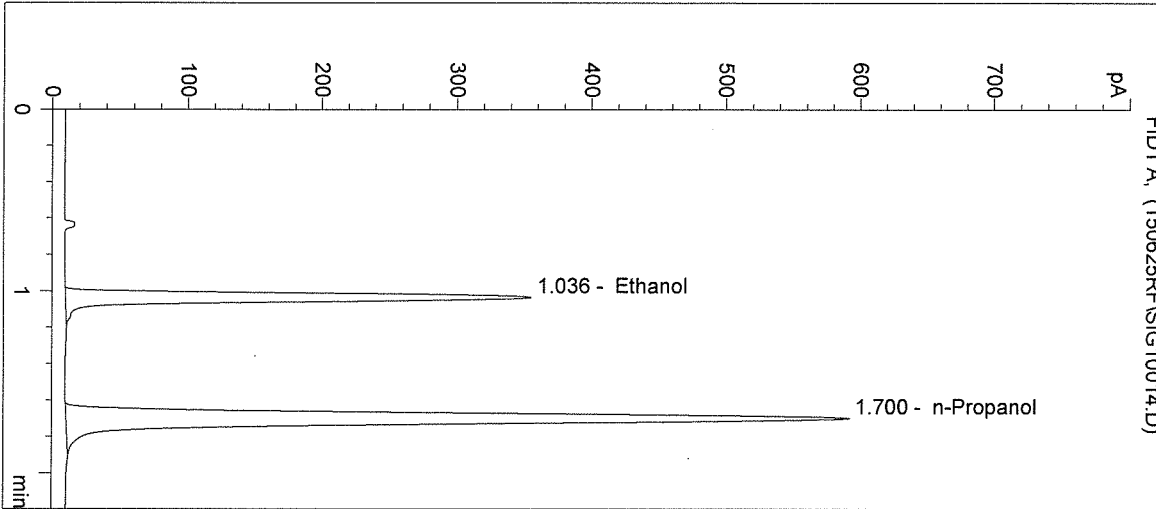
Operator: Rebecca Flaherty

Column: DB-ALC1

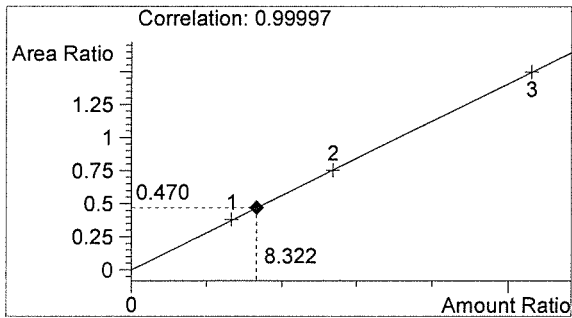
Location: Vial 14

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

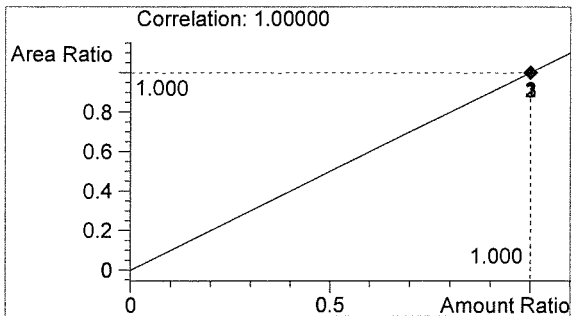
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1081	1.036
2	n-Propanol	2300	1.700



Ethanol 0.100 g/100mL



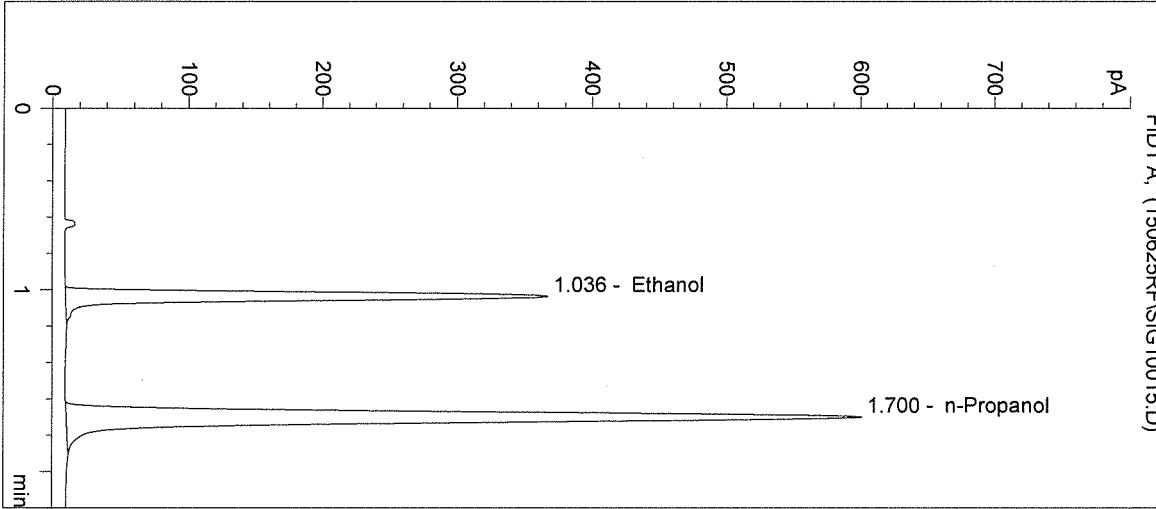
n-Propanol 0.012 g/100mL

RF

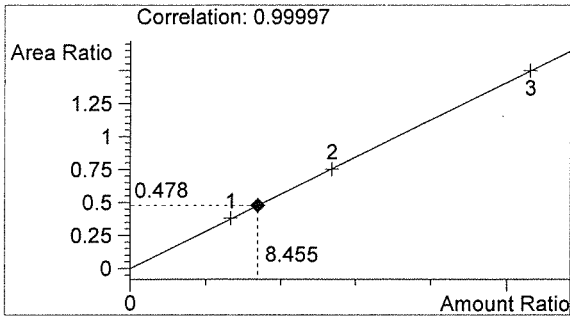
RF

Inj. Date: 6/25/2015 12:59:43 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 15031

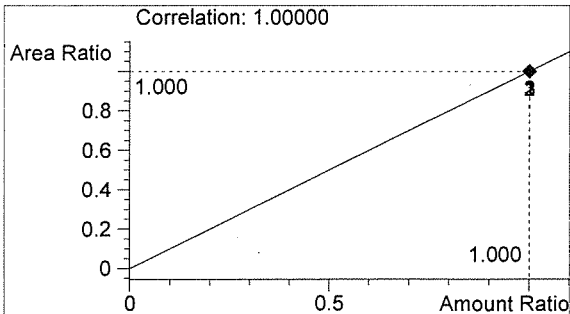
Sample Name: 0.10 CTRL
 Operator: Rebecca Flaherty
 Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1115	1.036
2	n-Propanol	2335	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

RF

RF

Inj. Date: 6/25/2015 1:02:56 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

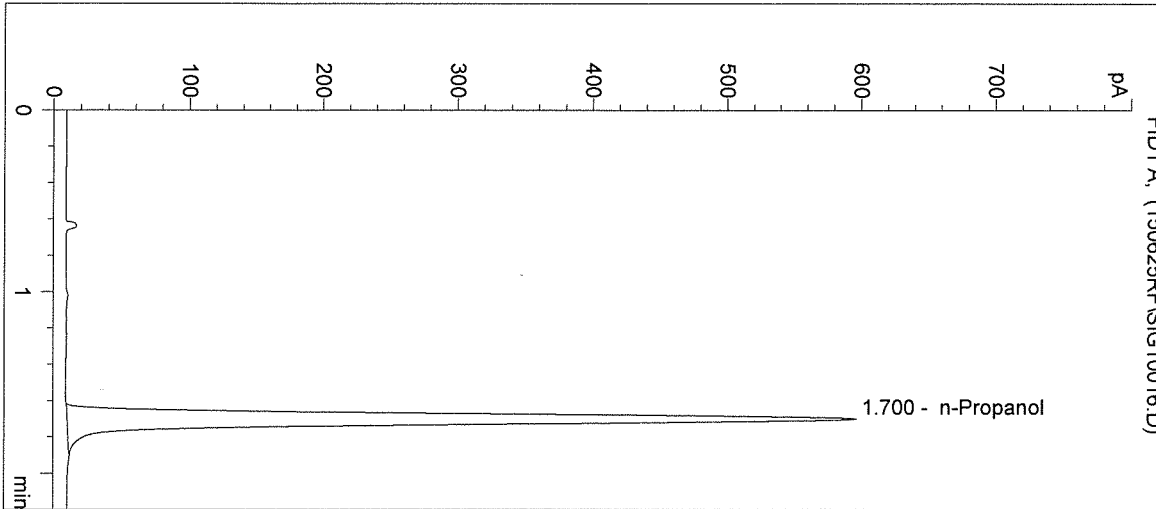
Operator: Rebecca Flaherty

Column: DB-ALC1

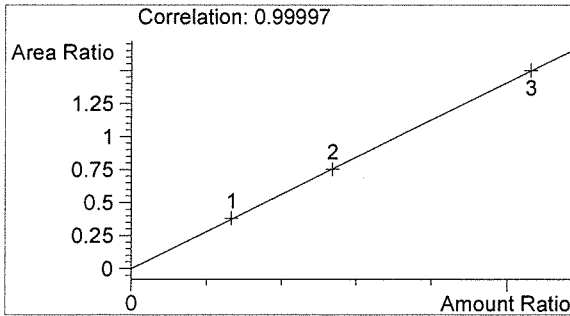
Location: Vial 16

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

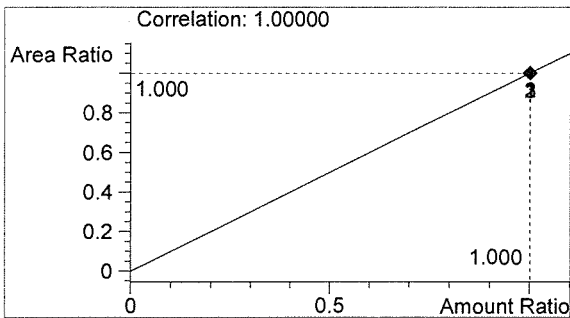
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2314	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

R

RF

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\1\DATA\
 Data Subdirectory: 150630LL
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0615-01 - Exp. 12/02/15
 Ethanol Calibrator 2, E0615-02 - Exp. 12/02/15
 Ethanol Calibrator 3, E0615-03 - Exp. 12/02/15

 0.04 Control - Lot #FN05011301 - Exp. 05/2018
 0.10 Control - Lot #FN08051301 - Exp. 10/2018
 0.20 Control - Lot #FN03211401 - Exp. 06/2019

 ISTD Lot#P0615 - Exp. 09/04/2015

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 Ctrl	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 Ctrl	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative	SIMALC1	1	Ctrl Samp		
10	Vial 10	15031 0.08 #1	SIMALC1	1	Sample		
11	Vial 11	15031 0.08 #2	SIMALC1	1	Sample		
12	Vial 12	15031 0.08 #3	SIMALC1	1	Sample		
13	Vial 13	15031 0.08 #4	SIMALC1	1	Sample		
14	Vial 14	15031 0.08 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative	SIMALC1	1	Ctrl Samp		

fn

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

W

Sequence: C:\HPCHEM\1\SEQUENCE\LLQAP.S

Sequence Table (Back Injector):

No entries - empty table!

15031

for 8/31/15

W

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

Calib. Data Modified : Tuesday, June 30, 2015 1:50:28 PM

Calculate : Internal Standard
 Based on : Peak Area

Rel. Reference Window : 5.000 %
 Abs. Reference Window : 0.050 min
 Rel. Non-ref. Window : 5.000 %
 Abs. Non-ref. Window : 0.050 min
 Multiplier : 1.0000
 Dilution : 1.0000
 Sample Amount : 0.00000
 Use Multiplier & Dilution Factor with ISTDs
 Uncalibrated Peaks : not reported
 Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
 Origin : Included
 Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.036	1 1	7.97800e-2	870.17743	9.16825e-5	1 Ethanol
	2	1.60980e-1	1763.95825	9.12607e-5	
	3	3.18440e-1	3503.37280	9.08953e-5	
1.700	1 1	1.20000e-2	2289.36157	5.24164e-6	I1 n-Propanol
	2	1.20000e-2	2312.72290	5.18869e-6	
	3	1.20000e-2	2303.01123	5.21057e-6	

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

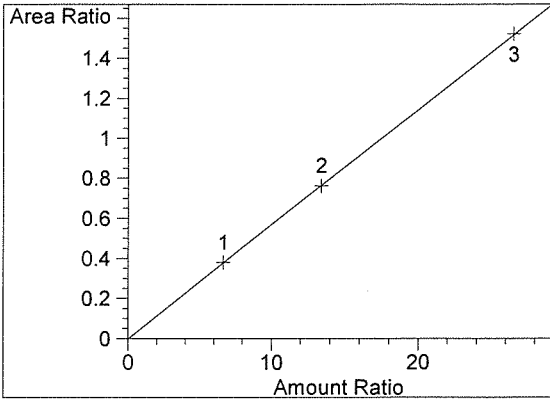
No Entries in table
 =====

15031

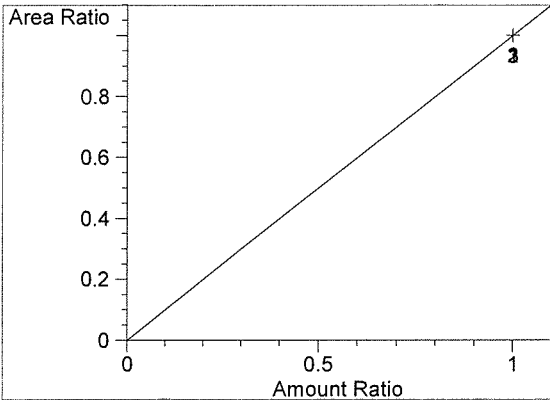
fn 8/3/15

W

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



Ethanol at exp. RT: 1.036
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00369
Formula: $y = mx + b$
m: 5.73094e-2
b: -1.64701e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.700
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

=====
15031

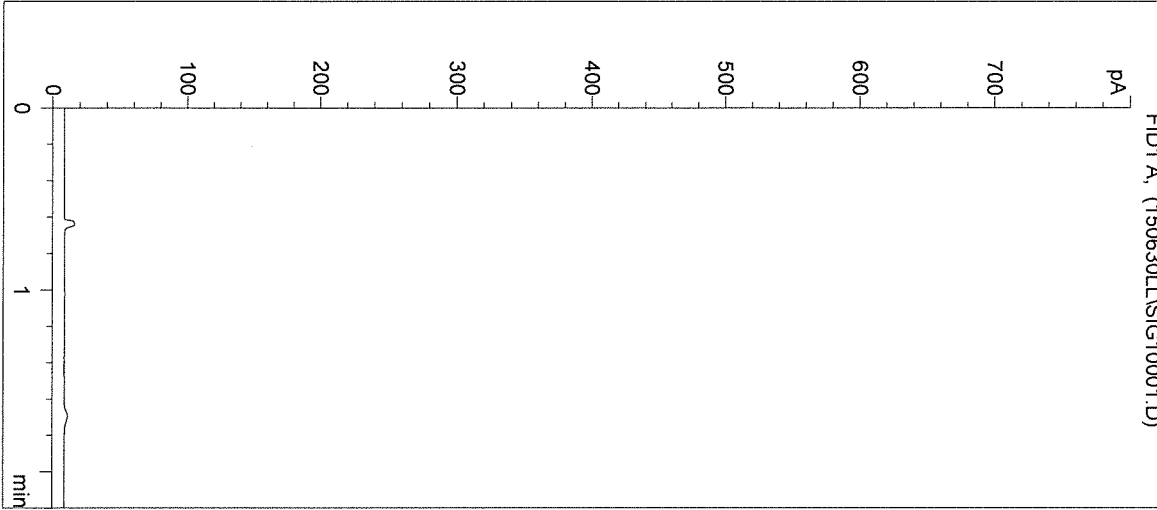
ln83115

W

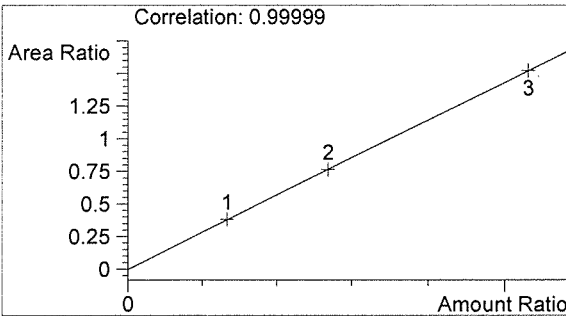
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/30/2015 1:38:22 PM Sample Name: BLANK
 Instrument: HSGC#1 Operator: Lyndsey Lowe
 Column: DB-ALC1 Location: Vial 1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

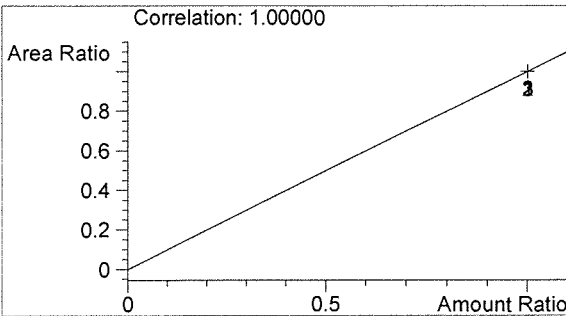
Sample Info:



#	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

15031

for 8/31/15

W

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

Inj. Date: 6/30/2015 1:41:42 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

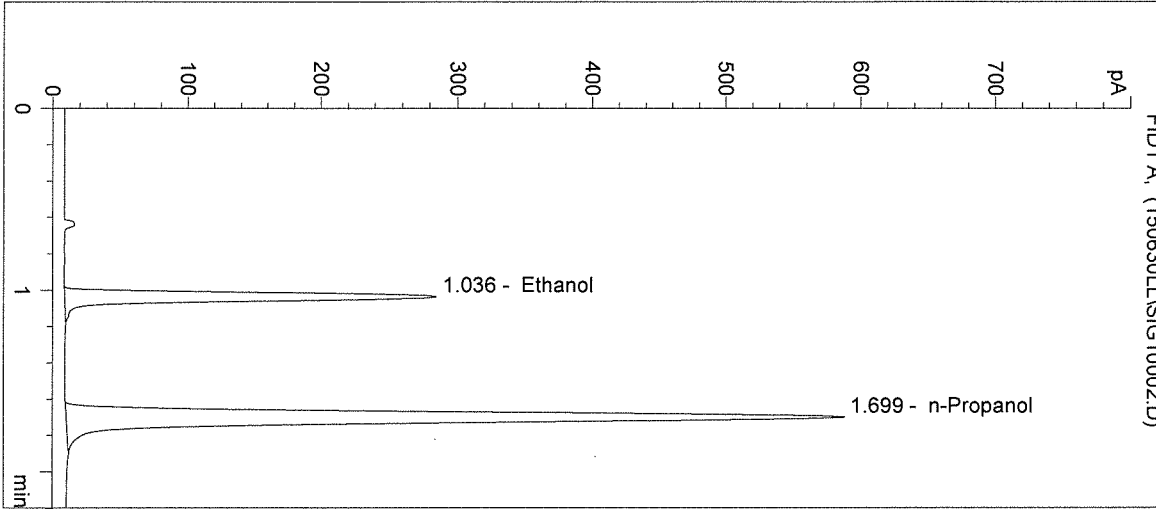
Operator: Lyndsey Lowe

Column: DB-ALC1

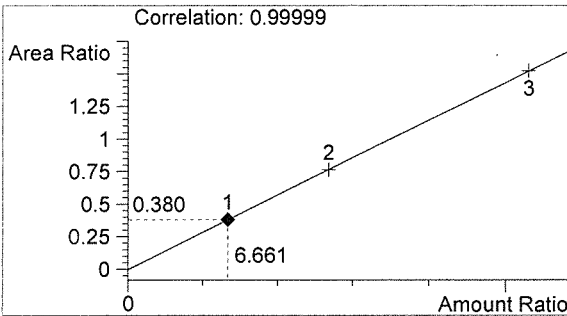
Location: Vial 2

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

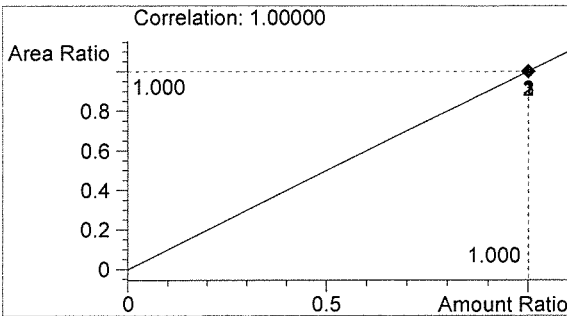
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	870	1.036
2	n-Propanol	2289	1.699



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

15031

Handwritten signature

Handwritten mark

Inj. Date: 6/30/2015 1:44:58 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

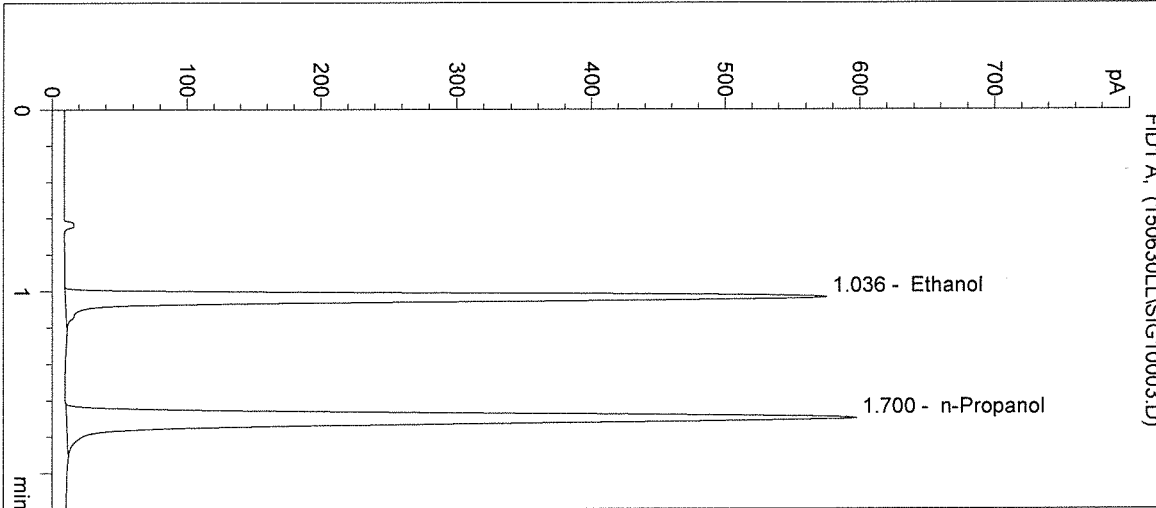
Operator: Lyndsey Lowe

Column: DB-ALC1

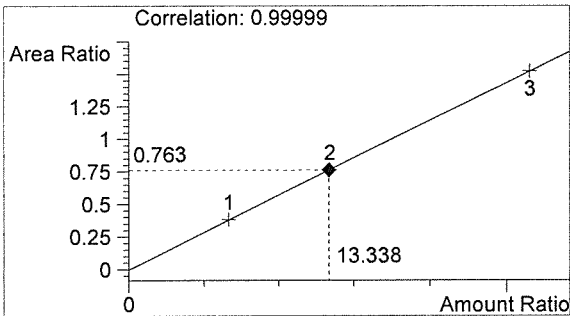
Location: Vial 3

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

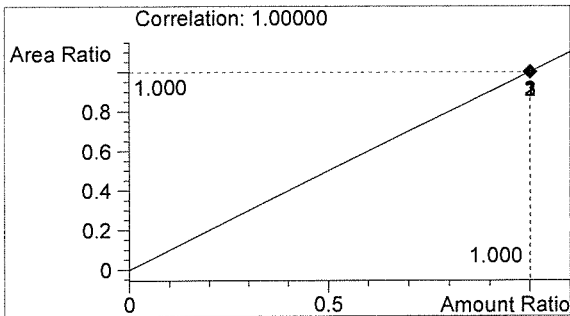
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1764	1.036
2	n-Propanol	2313	1.700



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

15031

Handwritten signature 8/31/15

Handwritten signature

Inj. Date: 6/30/2015 1:48:15 PM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

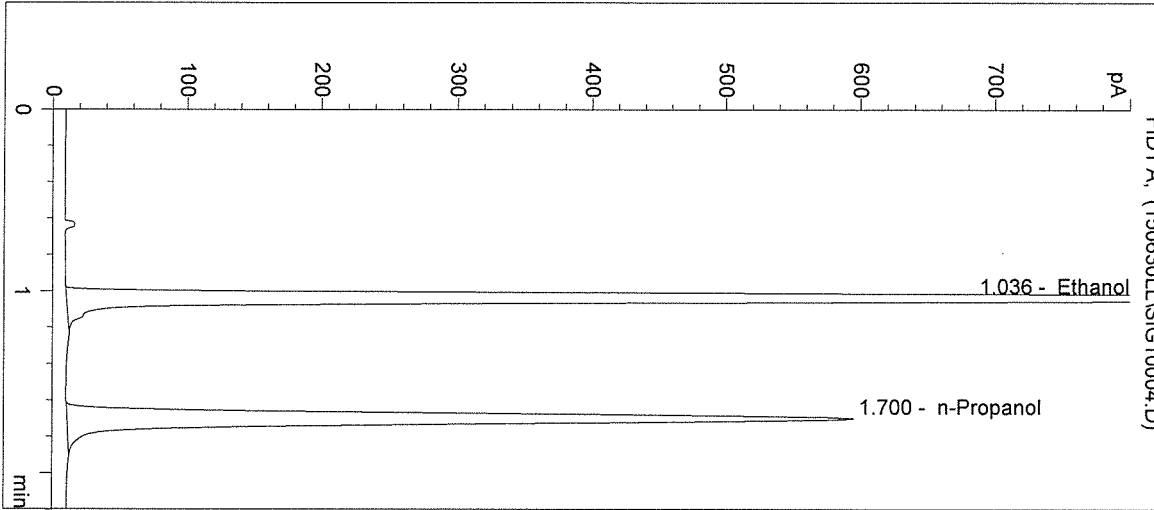
Operator: Lyndsey Lowe

Column: DB-ALC1

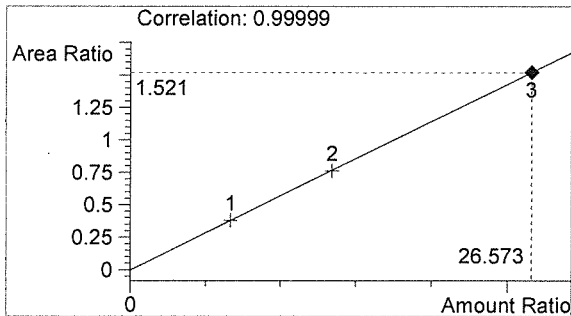
Location: Vial 4

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

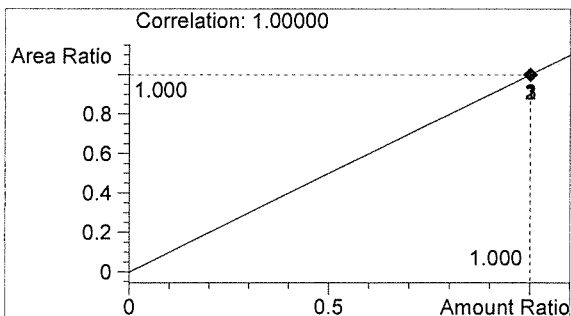
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3503	1.036
2	n-Propanol	2303	1.700



Ethanol 0.319 g/100mL



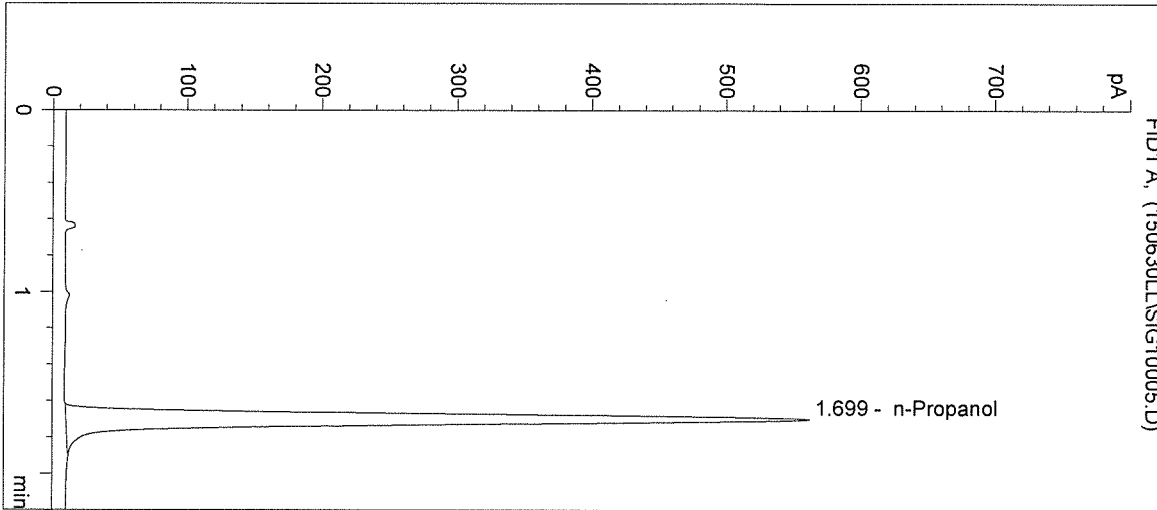
n-Propanol 0.012 g/100mL

15031

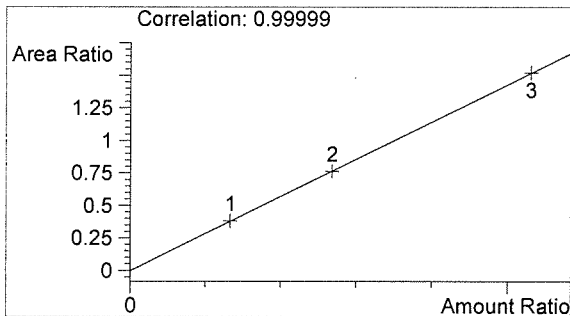
Lyndsey Lowe 8/31/15

W

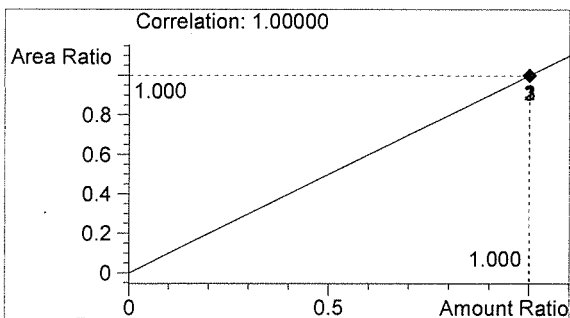
Inj. Date: 6/30/2015 1:51:28 PM Sample Name: Negative
Instrument: HSGC#1 Operator: Lyndsey Lowe
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2186	1.699



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

15031

Lyndsey Lowe 8/31/15

h

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

Inj. Date: 6/30/2015 1:54:41 PM

Sample Name: 0.04 Ctrl

Instrument: HSGC#1

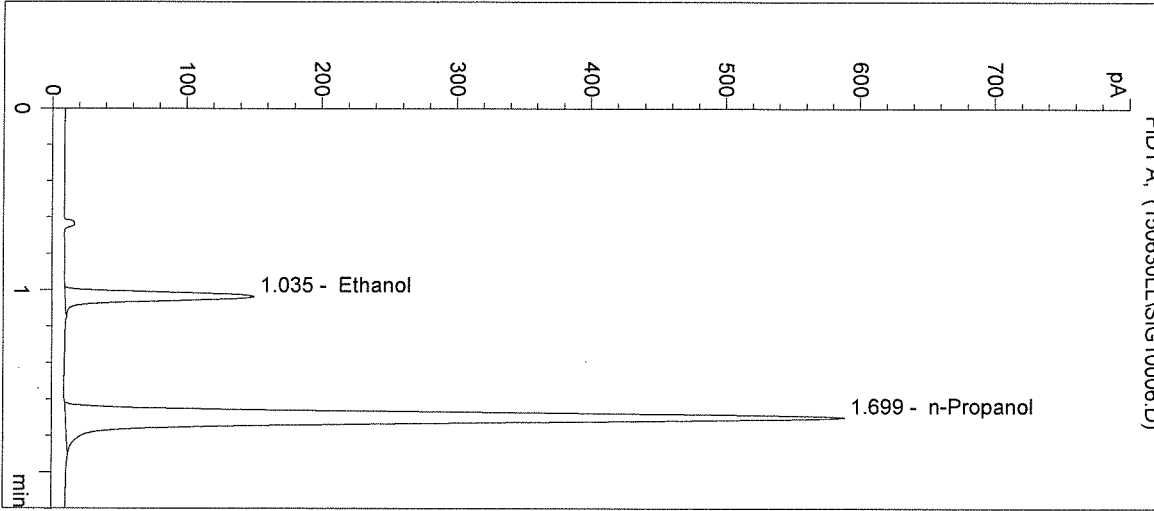
Operator: Lyndsey Lowe

Column: DB-ALC1

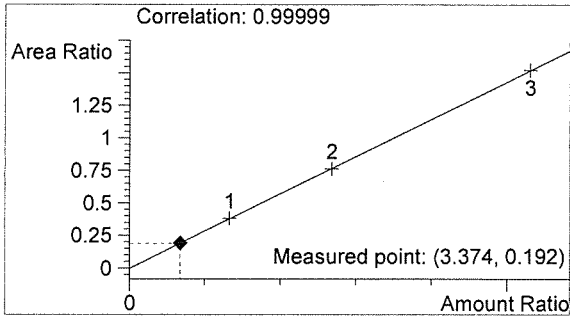
Location: Vial 6

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

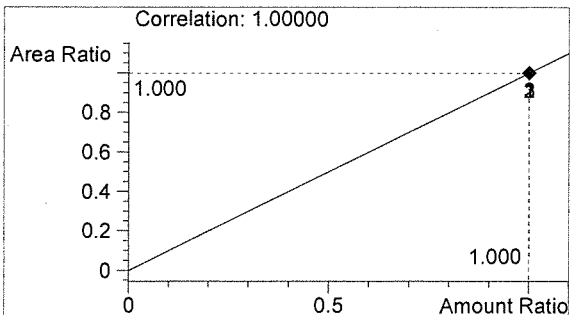
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	441	1.035
2	n-Propanol	2299	1.699



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

15031

Handwritten signature 8/3/15

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Inj. Date: 6/30/2015 1:57:54 PM

Sample Name: 0.10 Ctrl

Instrument: HSGC#1

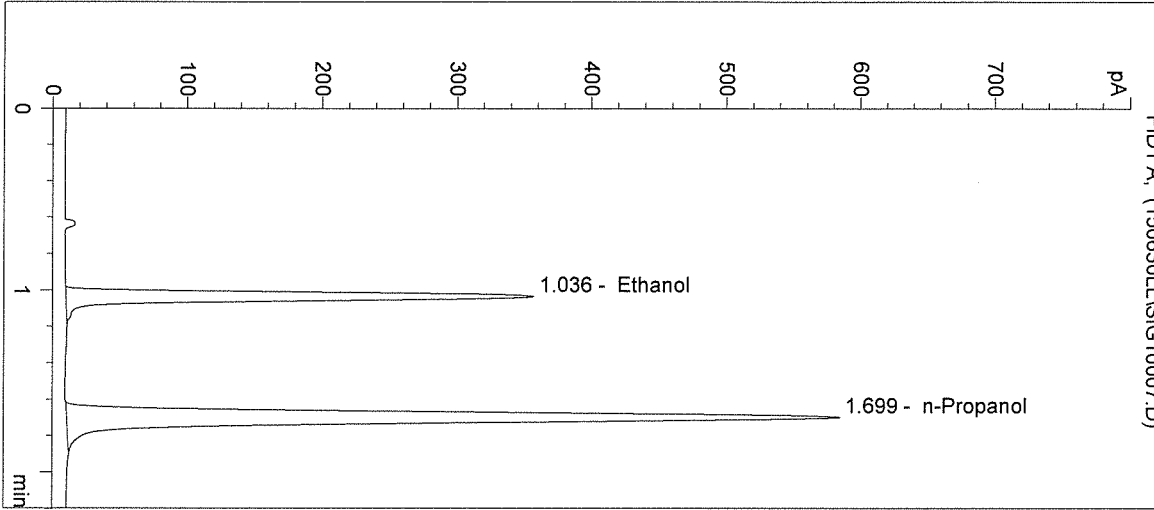
Operator: Lyndsey Lowe

Column: DB-ALC1

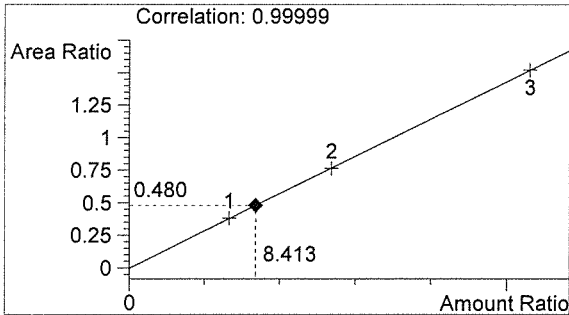
Location: Vial 7

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

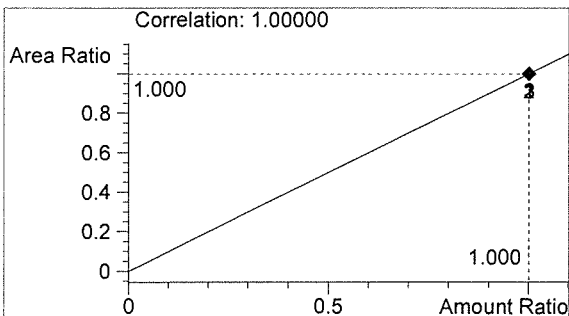
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1094	1.036
2	n-Propanol	2276	1.699



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

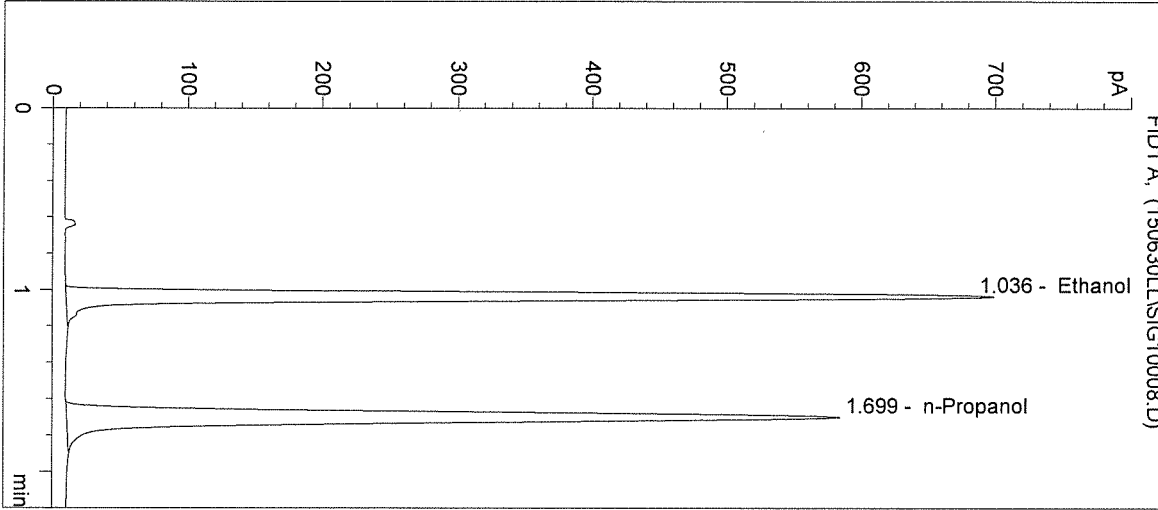
15031

for 8/31/15

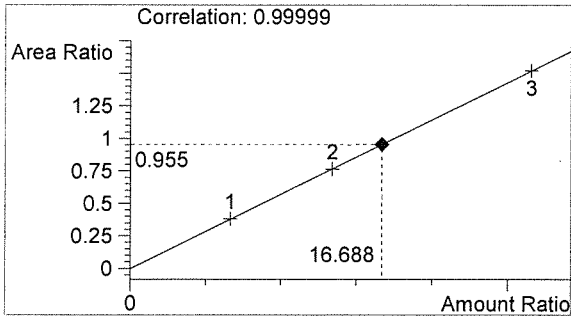
W

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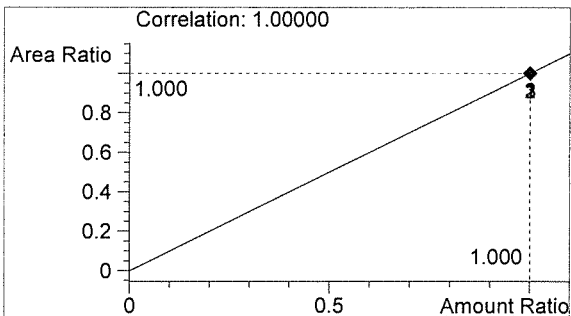
Inj. Date: 6/30/2015 2:01:07 PM Sample Name: 0.20 Ctrl
Instrument: HSGC#1 Operator: Lyndsey Lowe
Column: DB-ALC1 Location: Vial 8
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2166	1.036
2	n-Propanol	2269	1.699



Ethanol 0.200 g/100mL



n-Propanol 0.012 g/100mL

15031

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Inj. Date: 6/30/2015 2:04:21 PM

Sample Name: Negative

Instrument: HSGC#1

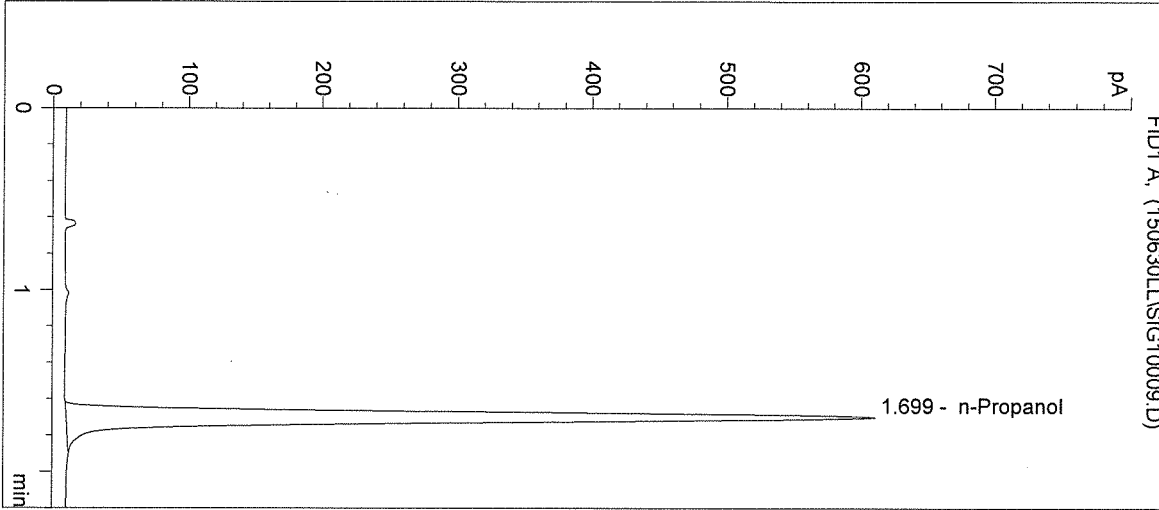
Operator: Lyndsey Lowe

Column: DB-ALC1

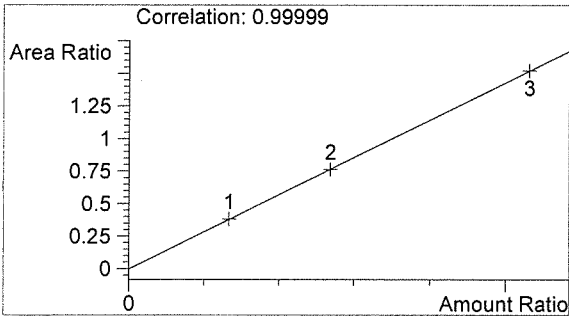
Location: Vial 9

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

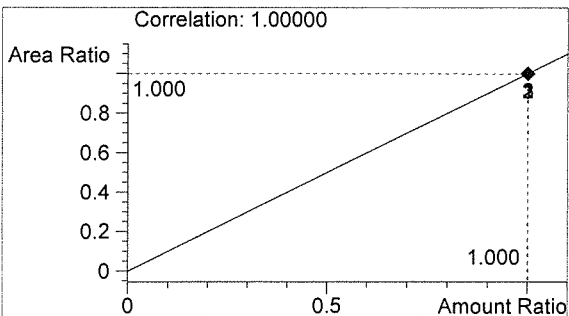
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2369	1.699



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

15031
 Jm 8/31/15

W

Inj. Date: 6/30/2015 2:07:34 PM

Sample Name: 15031 0.08 #1

Instrument: HSGC#1

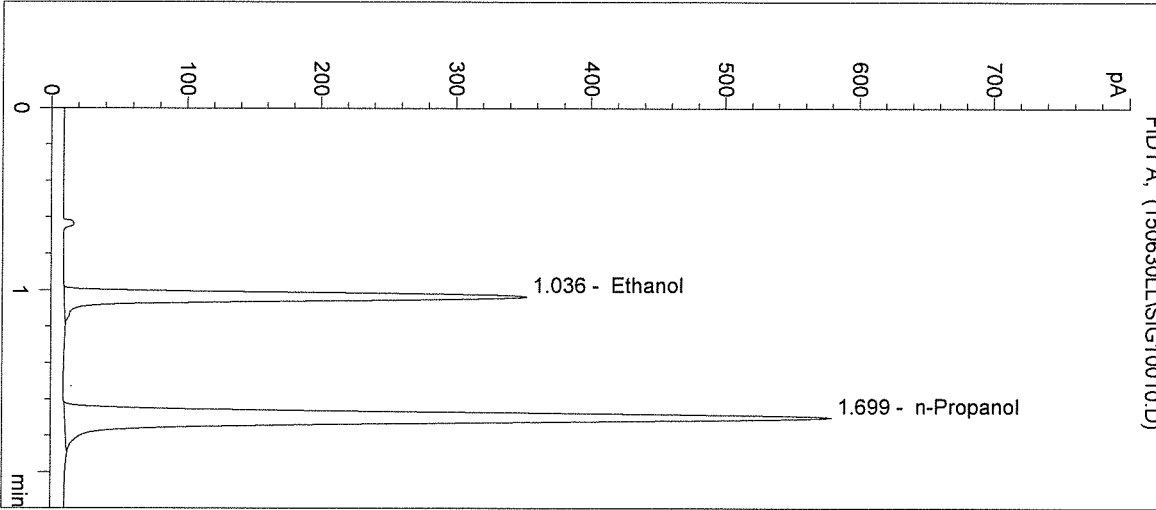
Operator: Lyndsey Lowe

Column: DB-ALC1

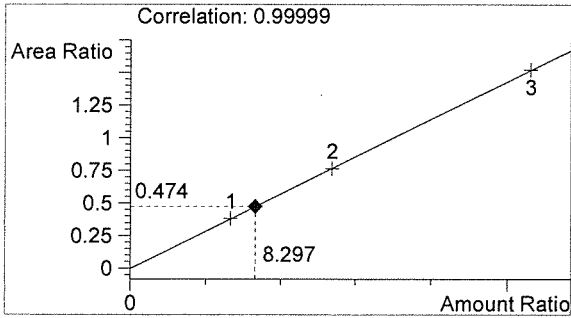
Location: Vial 10

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

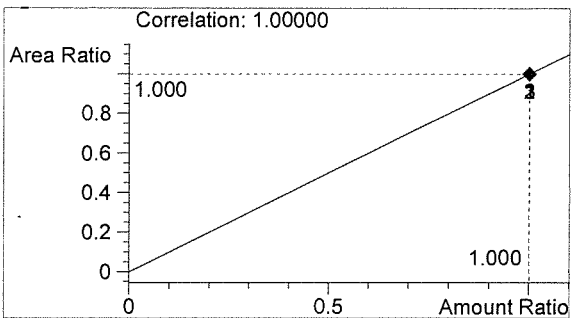
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1062	1.036
2	n-Propanol	2241	1.699



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 6/30/2015 2:10:47 PM

Sample Name: 15031 0.08 #2

Instrument: HSGC#1

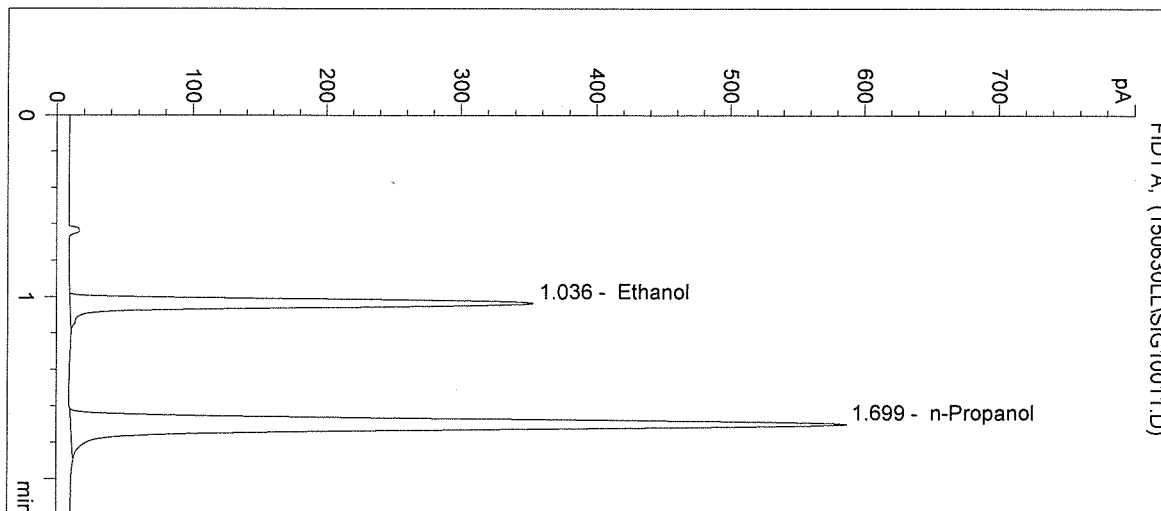
Operator: Lyndsey Lowe

Column: DB-ALC1

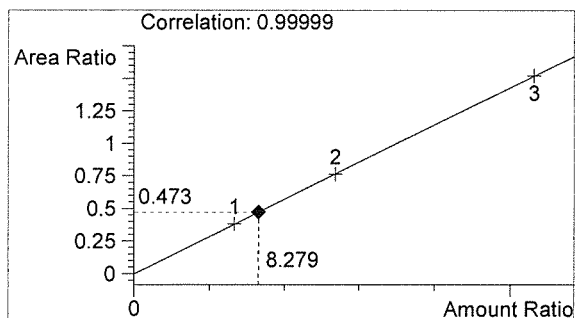
Location: Vial 11

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

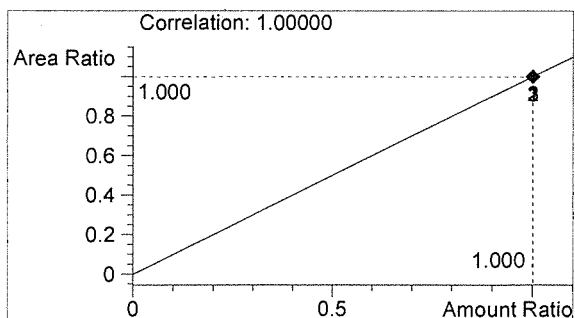
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1079	1.036
2	n-Propanol	2283	1.699



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 6/30/2015 2:14:01 PM

Sample Name: 15031 0.08 #3

Instrument: HSGC#1

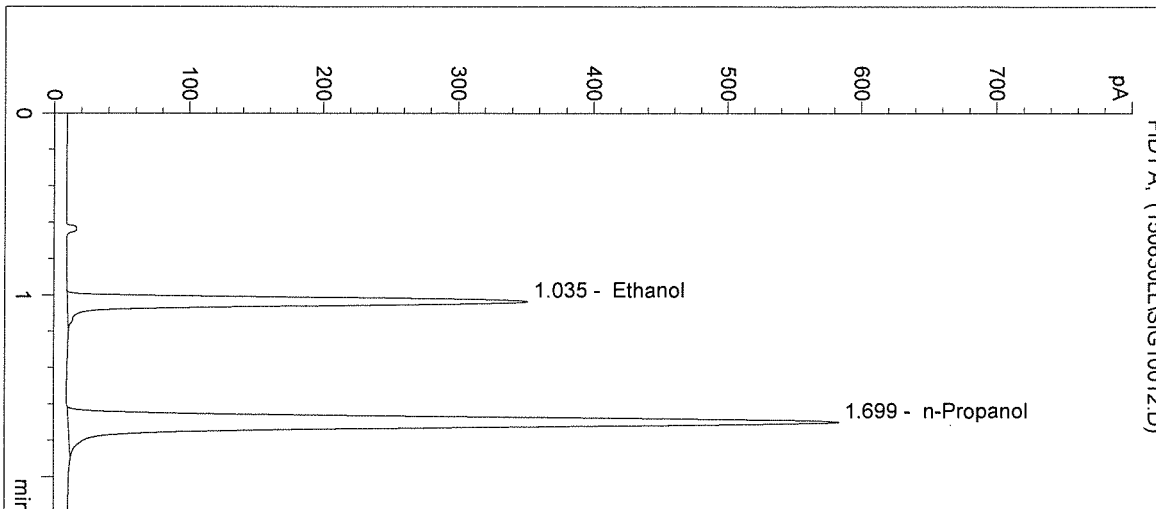
Operator: Lyndsey Lowe

Column: DB-ALC1

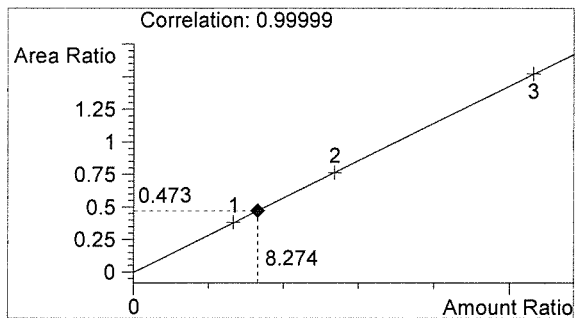
Location: Vial 12

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

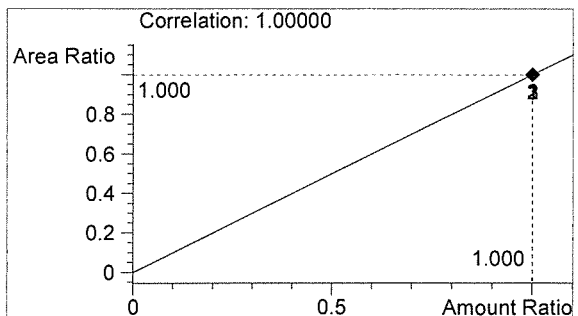
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1069	1.035
2	n-Propanol	2263	1.699



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

fr

w

Inj. Date: 6/30/2015 2:17:14 PM

Sample Name: 15031 0.08 #4

Instrument: HSGC#1

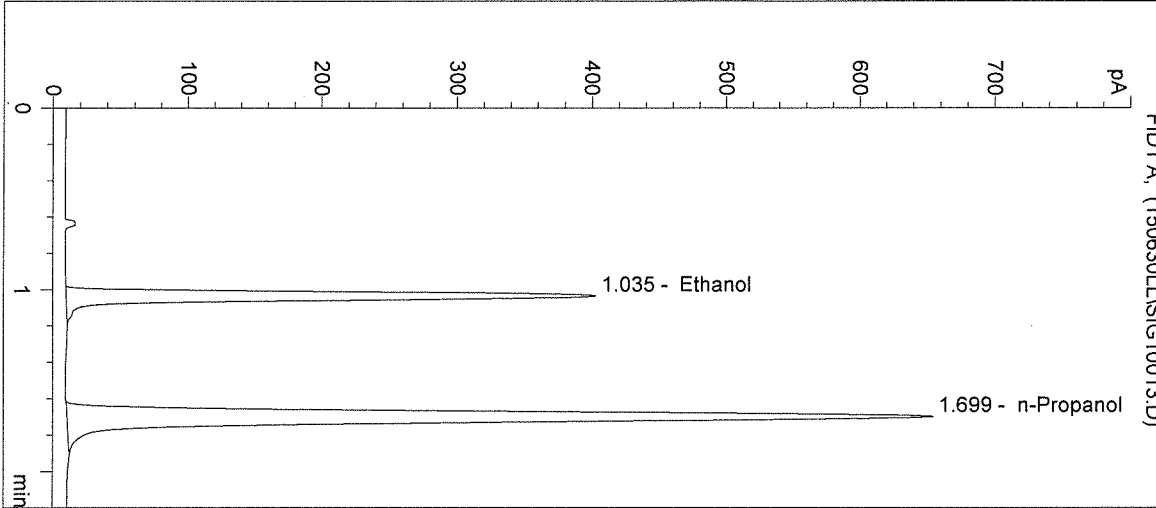
Operator: Lyndsey Lowe

Column: DB-ALC1

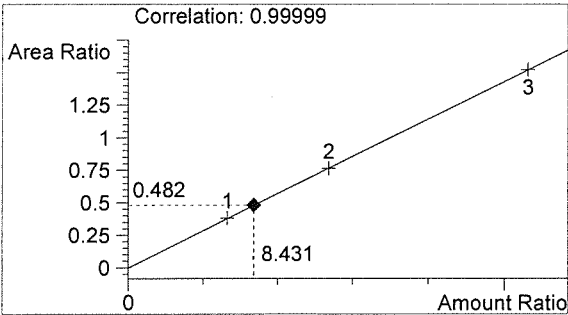
Location: Vial 13

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

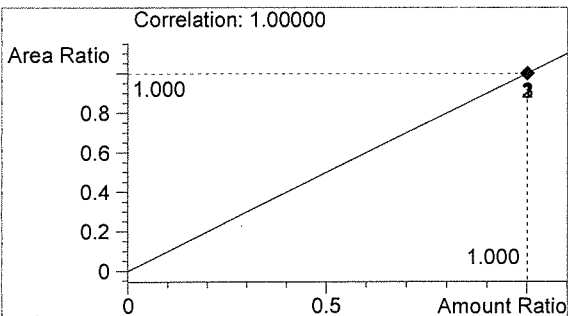
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1220	1.035
2	n-Propanol	2533	1.699



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 6/30/2015 2:20:28 PM

Sample Name: 15031 0.08 #5

Instrument: HSGC#1

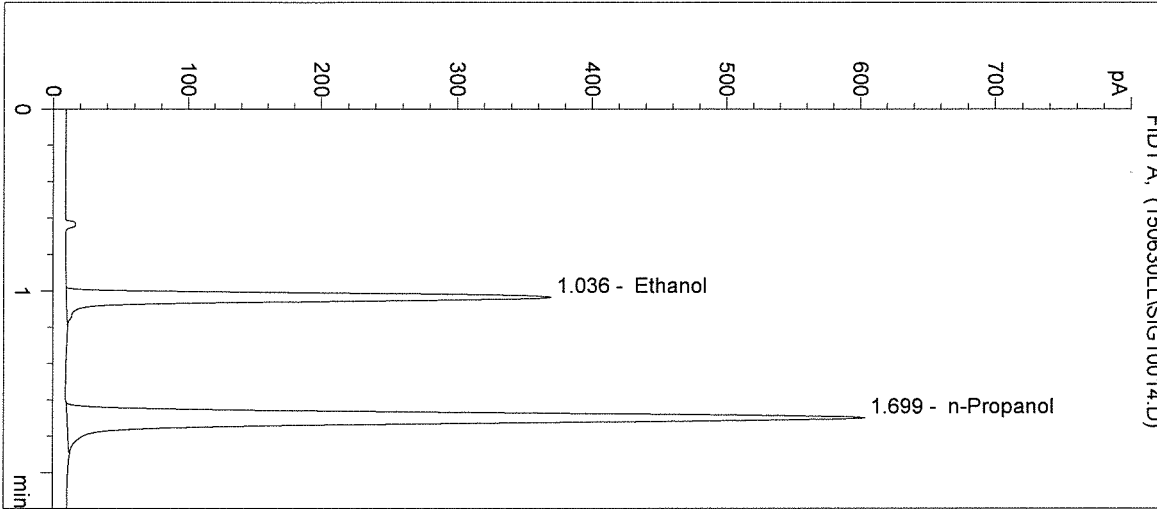
Operator: Lyndsey Lowe

Column: DB-ALC1

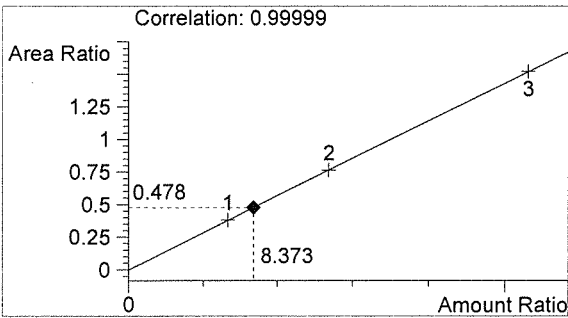
Location: Vial 14

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

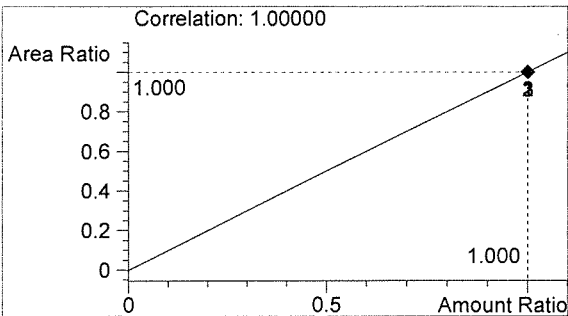
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1116	1.036
2	n-Propanol	2334	1.699



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

fr

w

Inj. Date: 6/30/2015 2:23:41 PM

Sample Name: 0.10 Ctrl

Instrument: HSGC#1

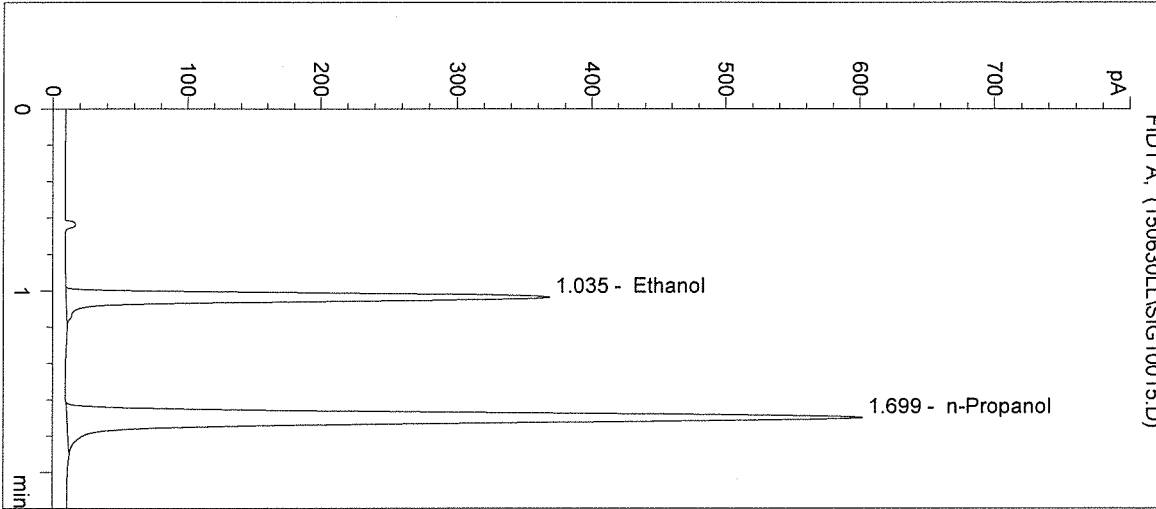
Operator: Lyndsey Lowe

Column: DB-ALC1

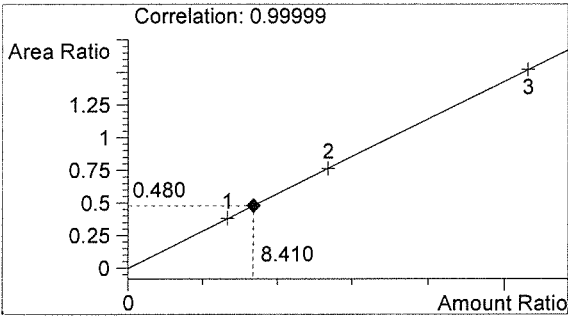
Location: Vial 15

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

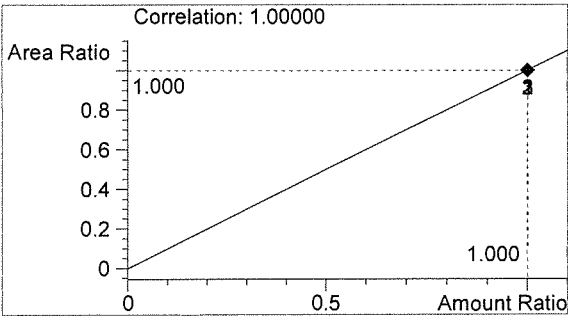
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1123	1.035
2	n-Propanol	2339	1.699



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

15031
 for 1/15

W

Inj. Date: 6/30/2015 2:26:54 PM

Sample Name: Negative

Instrument: HSGC#1

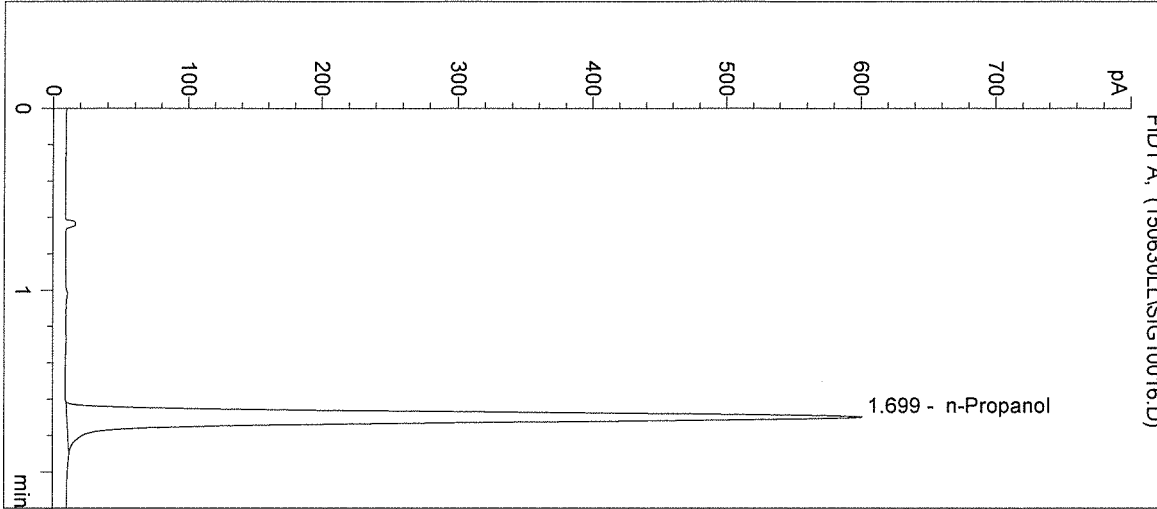
Operator: Lyndsey Lowe

Column: DB-ALC1

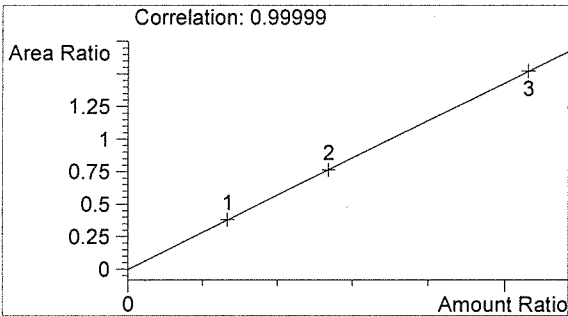
Location: Vial 16

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

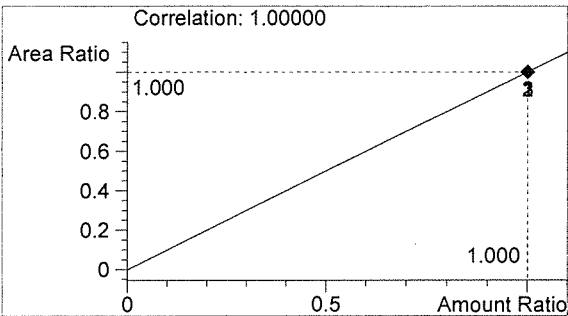
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2323	1.699



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

15031
for 8/3/15

W

Sequence Parameters:

Operator: Justin Knoy
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 150715JK
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0615-01 - Exp. 12/02/2015
 Ethanol Calibrator 2, E0615-02 - Exp. 12/02/2015
 Ethanol Calibrator 3, E0615-03 - Exp. 12/02/2015
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
 Internal Standard Lot#P0615 - Exp. 09/04/2015

Calibration vials 1-9 filed with 15031.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	15031-1	SIMALC1	1	Sample		
11	Vial 11	15031-2	SIMALC1	1	Sample		
12	Vial 12	15031-3	SIMALC1	1	Sample		
13	Vial 13	15031-4	SIMALC1	1	Sample		
14	Vial 14	15031-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

JK

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

JK

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Sequence Table (Back Injector):

No entries - empty table!

15031
7/15/15

JK

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

Calib. Data Modified : Wednesday, July 15, 2015 9:46:31 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
1.037	1	7.97800e-2	858.08331	9.29747e-5	1	Ethanol
		1.60980e-1	1719.49927	9.36203e-5		
		3.18440e-1	3433.67993	9.27402e-5		
1.700	1	1.20000e-2	2251.25073	5.33037e-6	I1	n-Propanol
		1.20000e-2	2282.96362	5.25633e-6		
		1.20000e-2	2290.92187	5.23807e-6		

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

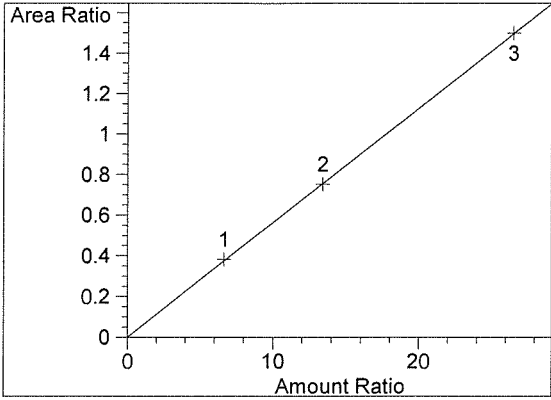
No Entries in table
 =====

15031

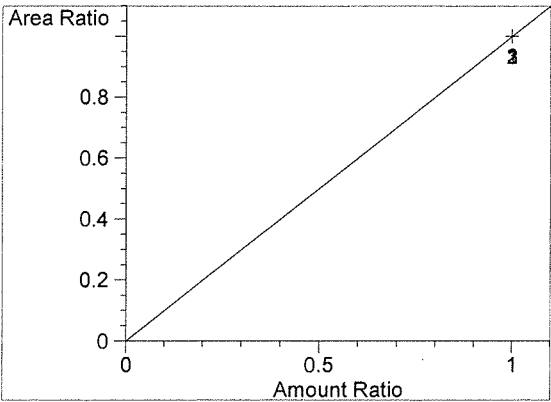
Justin

JK

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



Ethanol at exp. RT: 1.037
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00493
Formula: $y = mx + b$
m: 5.63871e-2
b: 1.38164e-3
x: Amount Ratio
y: Area Ratio



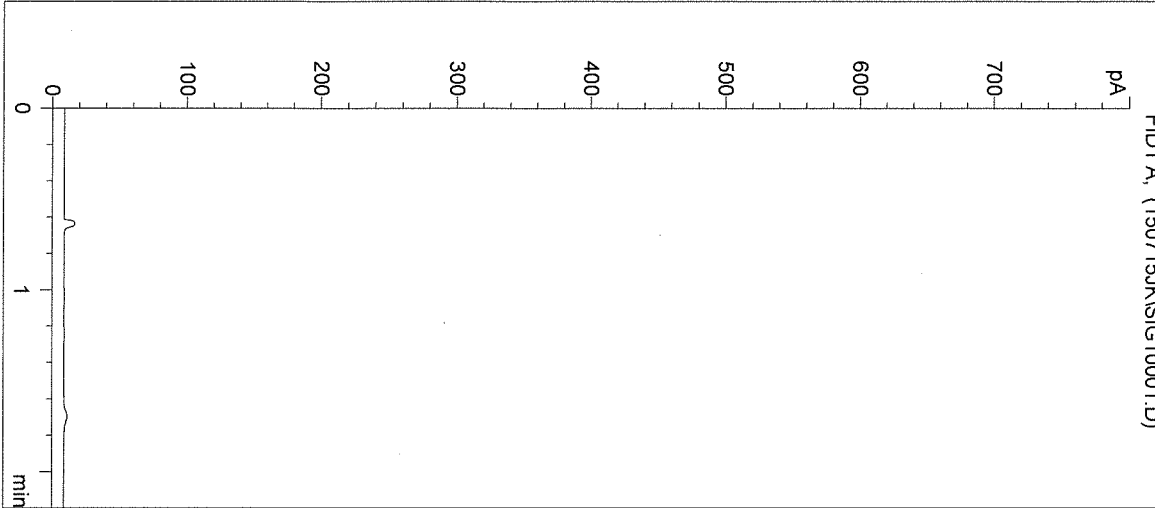
n-Propanol at exp. RT: 1.700
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

15031
Ins/7/15

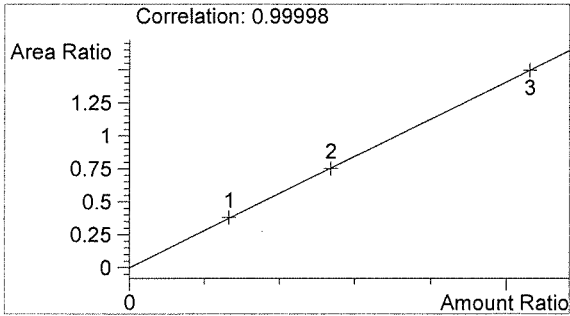
JK

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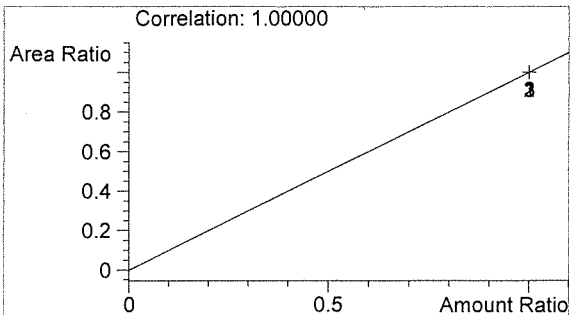
Inj. Date: 7/15/2015 9:34:25 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Justin Knoy
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15031



#	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

JR

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Inj. Date: 7/15/2015 9:37:46 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

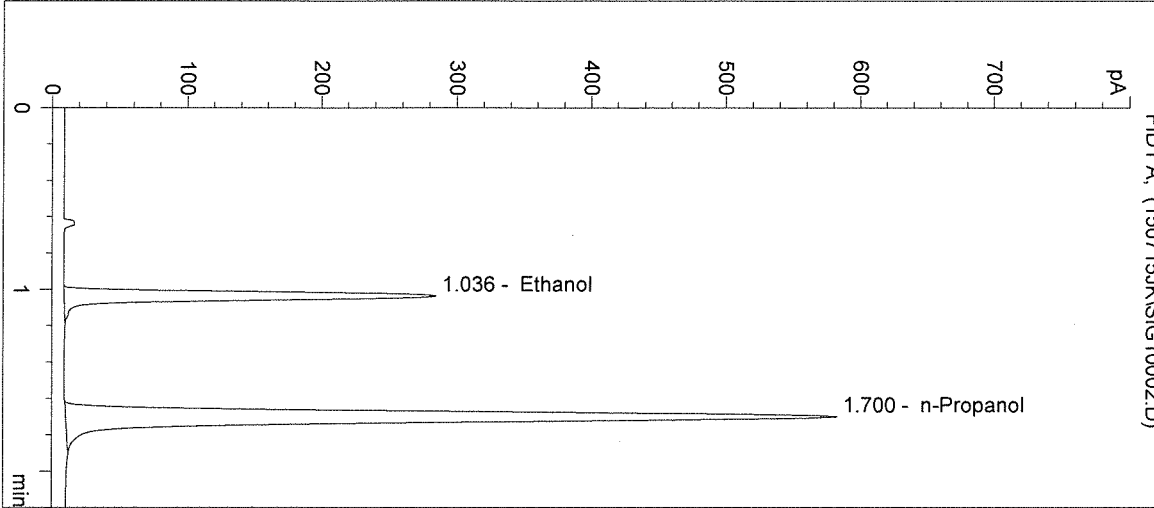
Operator: Justin Knoy

Column: DB-ALC1

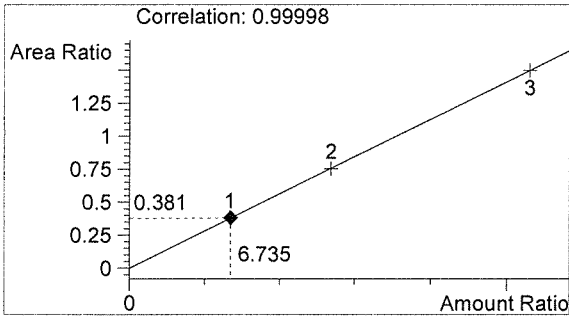
Location: Vial 2

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

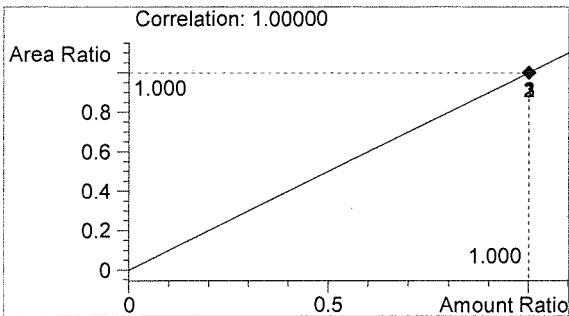
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	858	1.036
2	n-Propanol	2251	1.700



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/15/2015 9:41:01 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

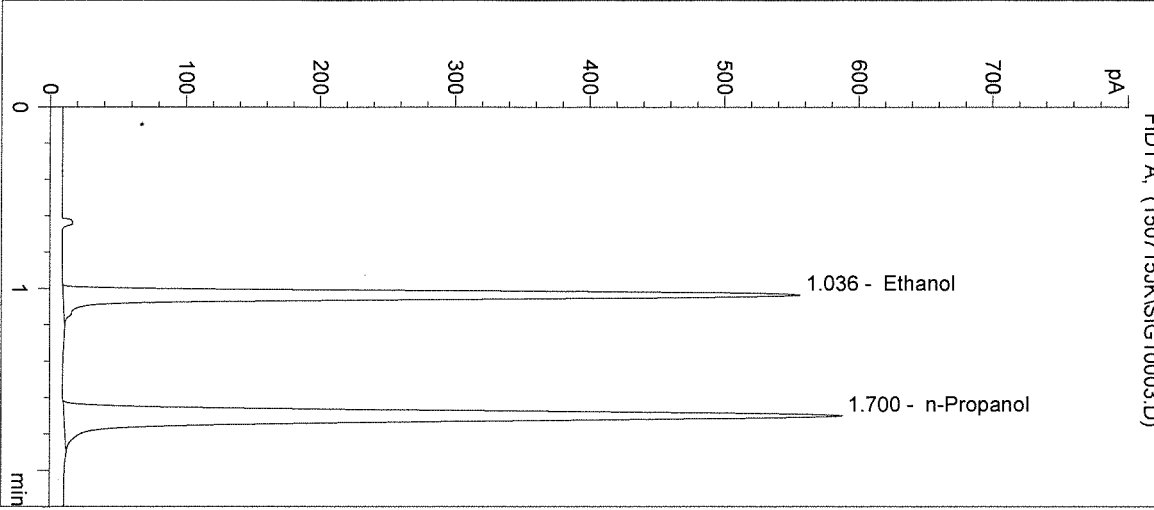
Operator: Justin Knoy

Column: DB-ALC1

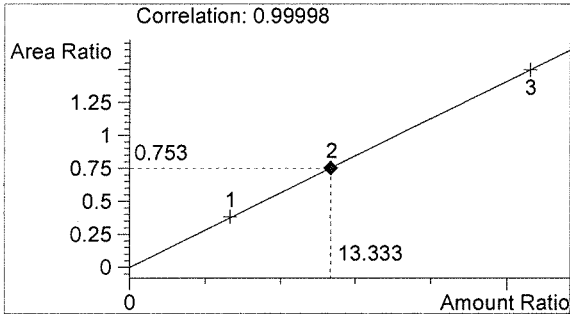
Location: Vial 3

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

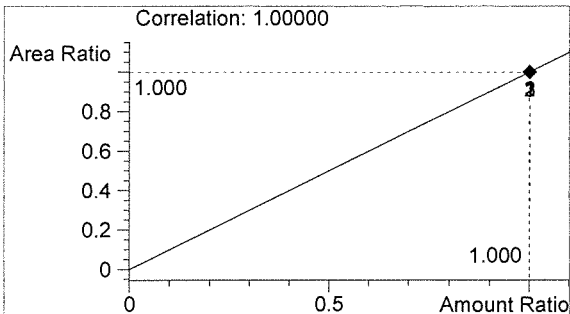
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	1719	1.036
2	n-Propanol	2283	1.700



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

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Inj. Date: 7/15/2015 9:44:18 AM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

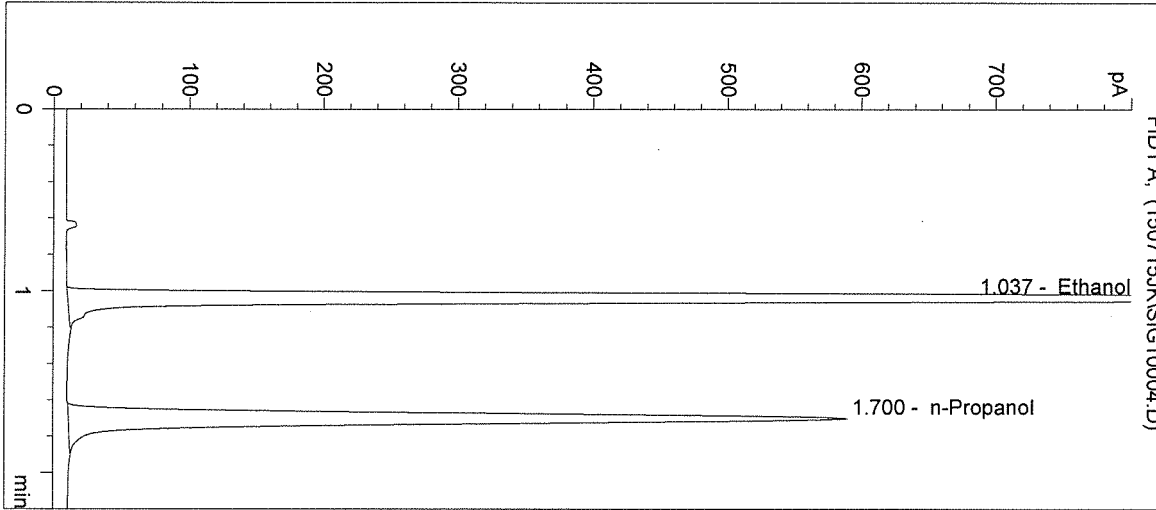
Operator: Justin Knoy

Column: DB-ALC1

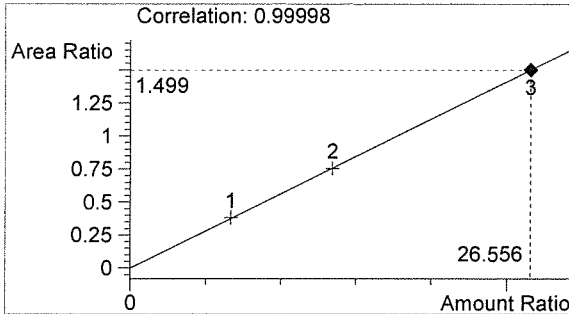
Location: Vial 4

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

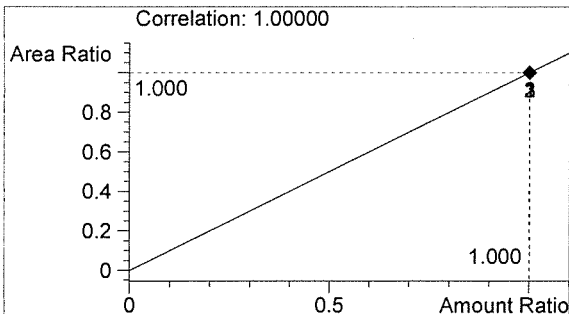
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	3434	1.037
2	n-Propanol	2291	1.700



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

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Handwritten initials

Inj. Date: 7/15/2015 9:47:32 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

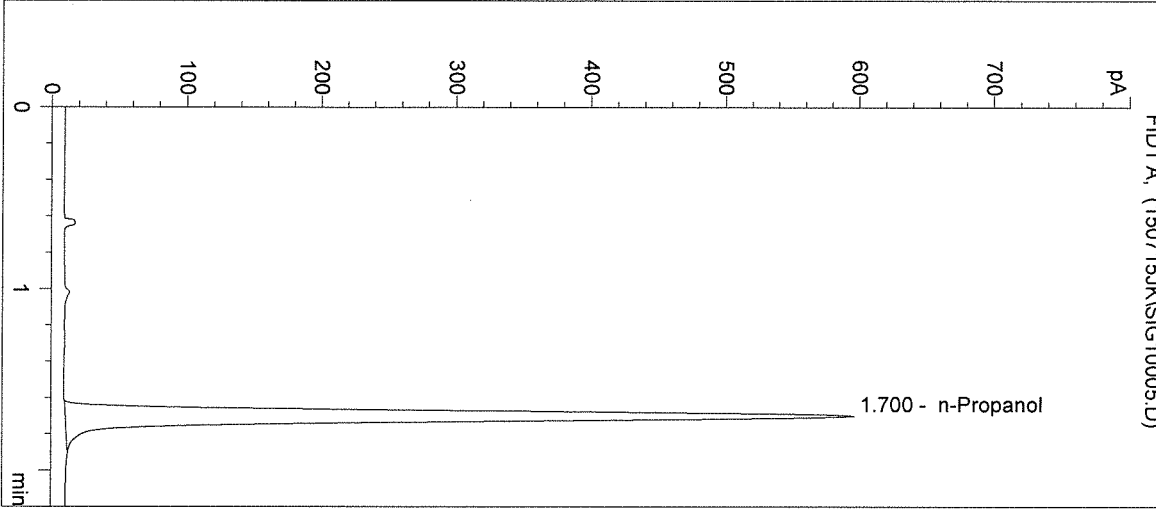
Operator: Justin Knoy

Column: DB-ALC1

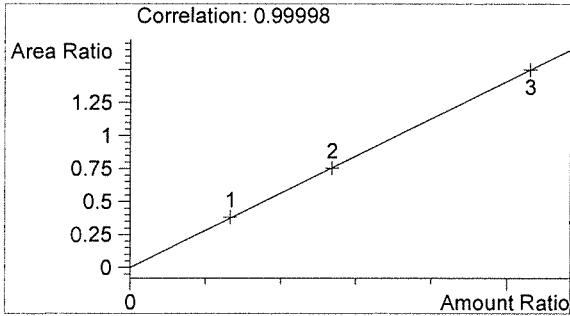
Location: Vial 5

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

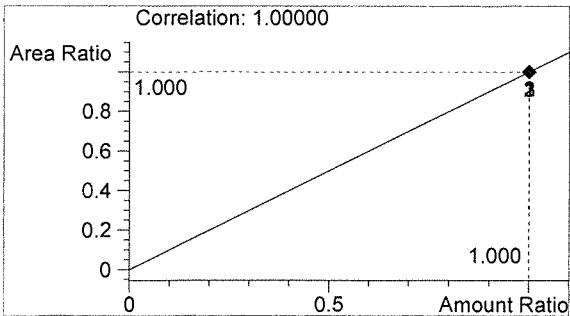
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2320	1.700



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: 7/15/2015 9:50:44 AM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

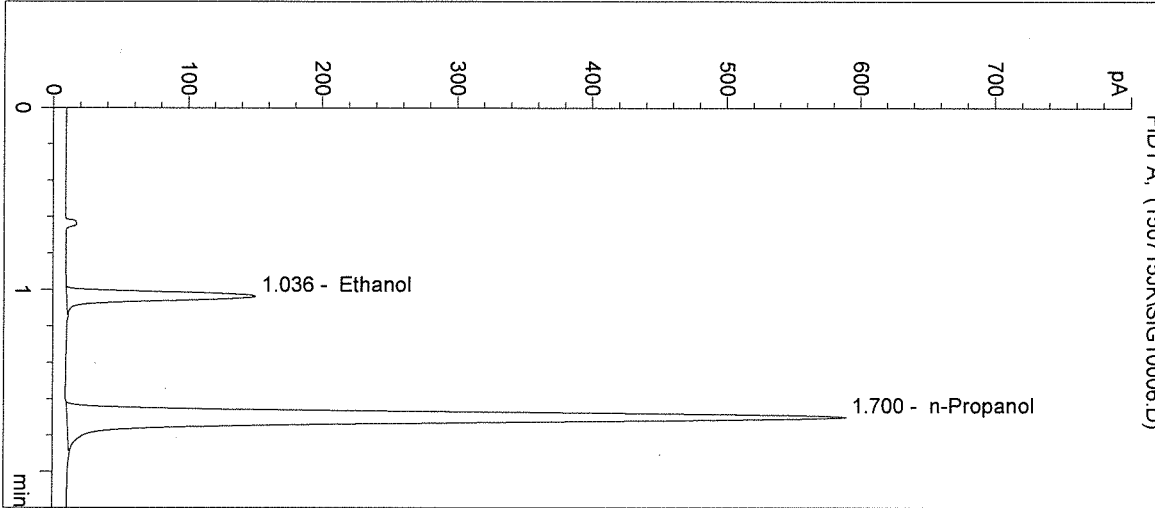
Operator: Justin Knoy

Column: DB-ALC1

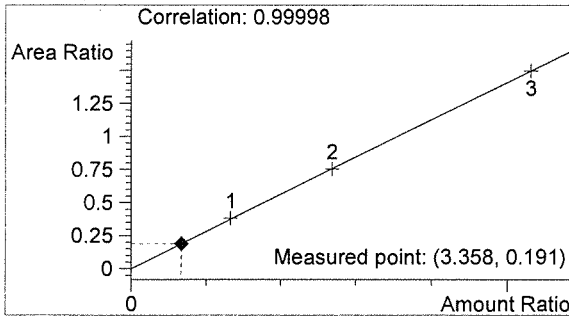
Location: Vial 6

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

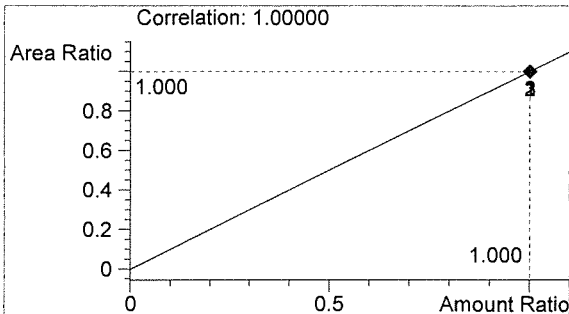
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	437	1.036
2	n-Propanol	2291	1.700



Ethanol 0.040 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: 7/15/2015 9:53:58 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

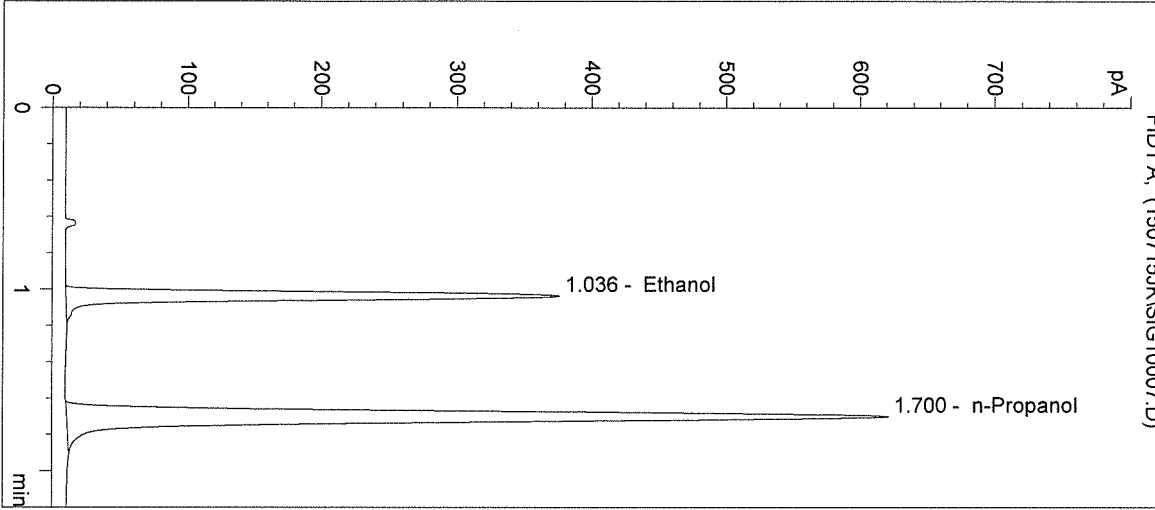
Operator: Justin Knoy

Column: DB-ALC1

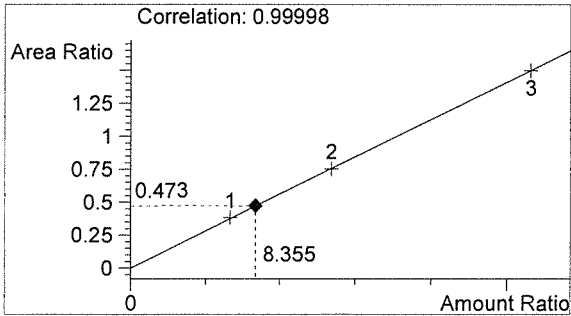
Location: Vial 7

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

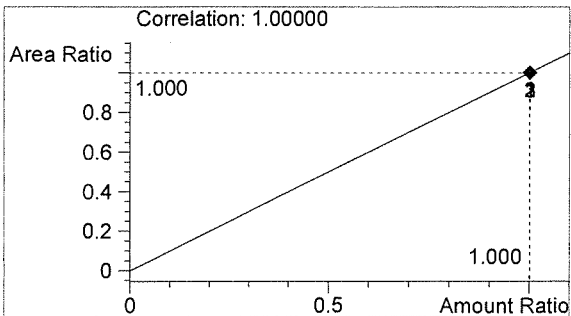
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	1140	1.036
2	n-Propanol	2412	1.700



Ethanol 0.100 g/100mL

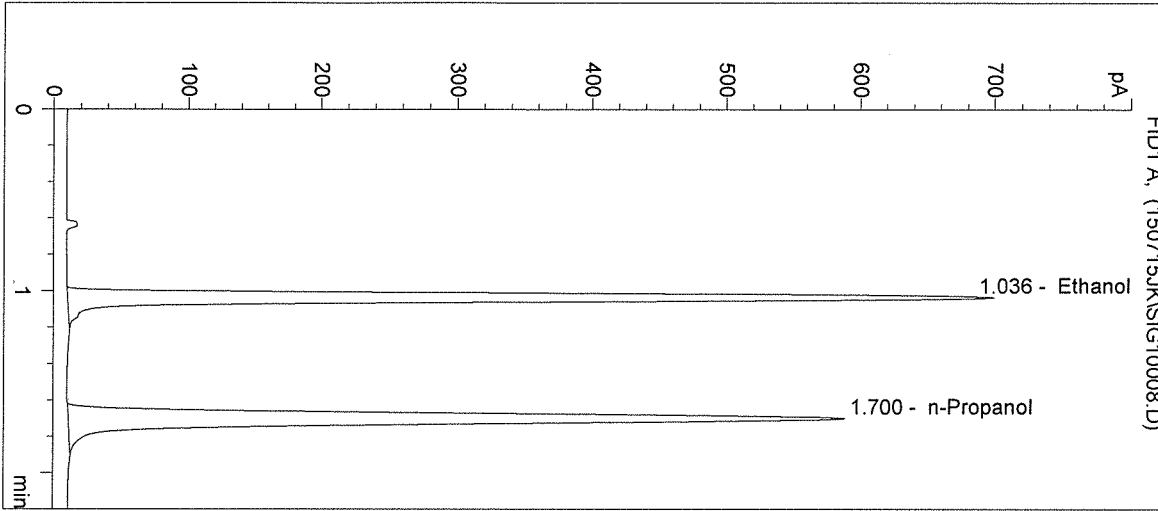


n-Propanol 0.012 g/100mL

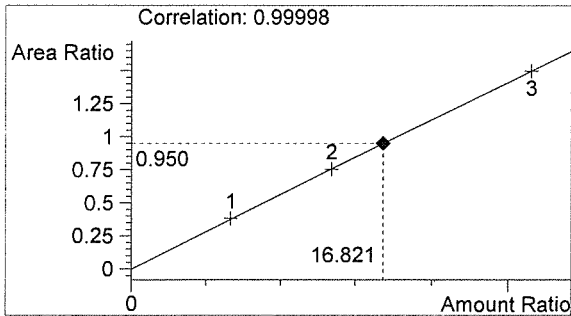
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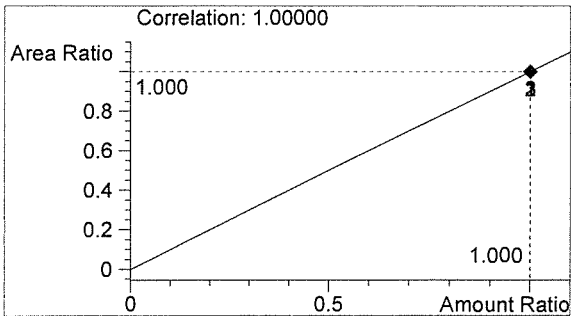
Inj. Date: 7/15/2015 9:57:11 AM Sample Name: 0.20 CTRL
Instrument: HSGC#1 Operator: Justin Knoy
Column: DB-ALC1 Location: Vial 8
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	2171	1.036
2	n-Propanol	2285	1.700



Ethanol 0.202 g/100mL



n-Propanol 0.012 g/100mL

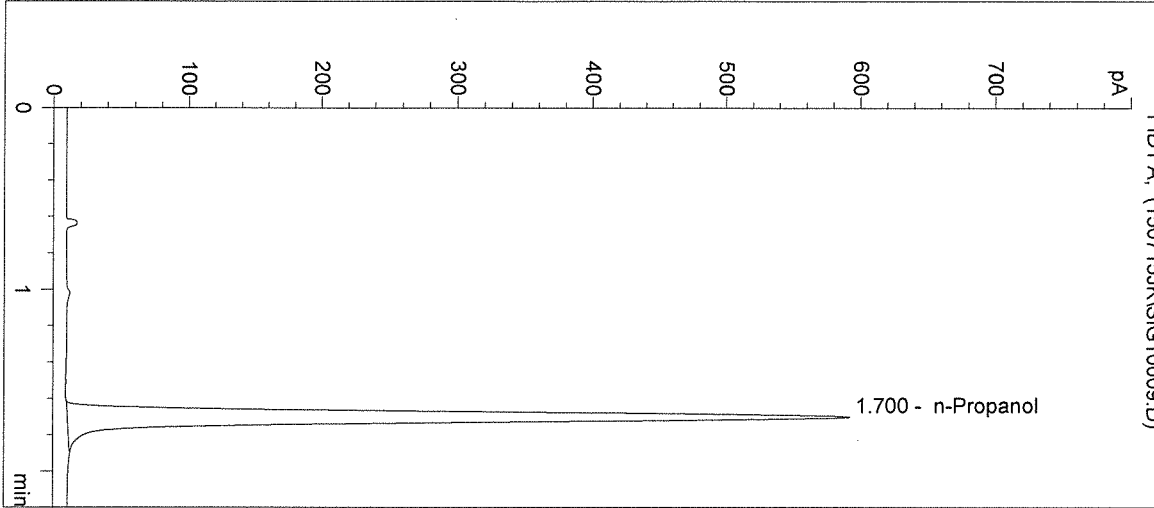
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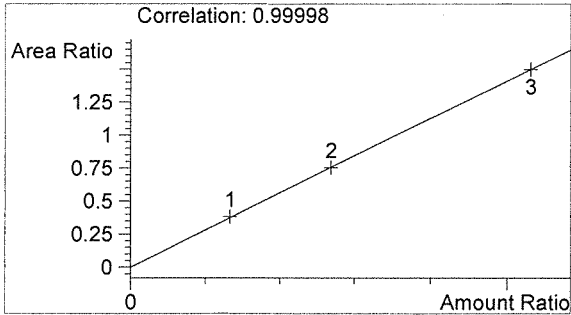
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/15/2015 10:00:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15031

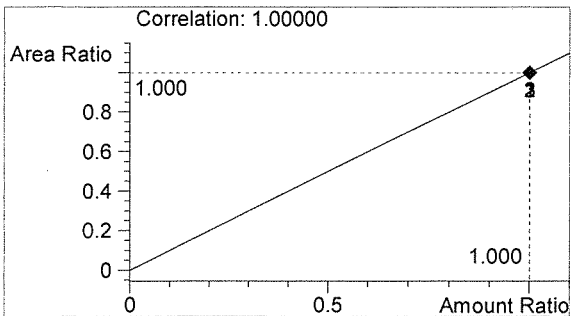
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2300	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 7/15/2015 10:03:38 AM

Sample Name: 15031-1

Instrument: HSGC#1

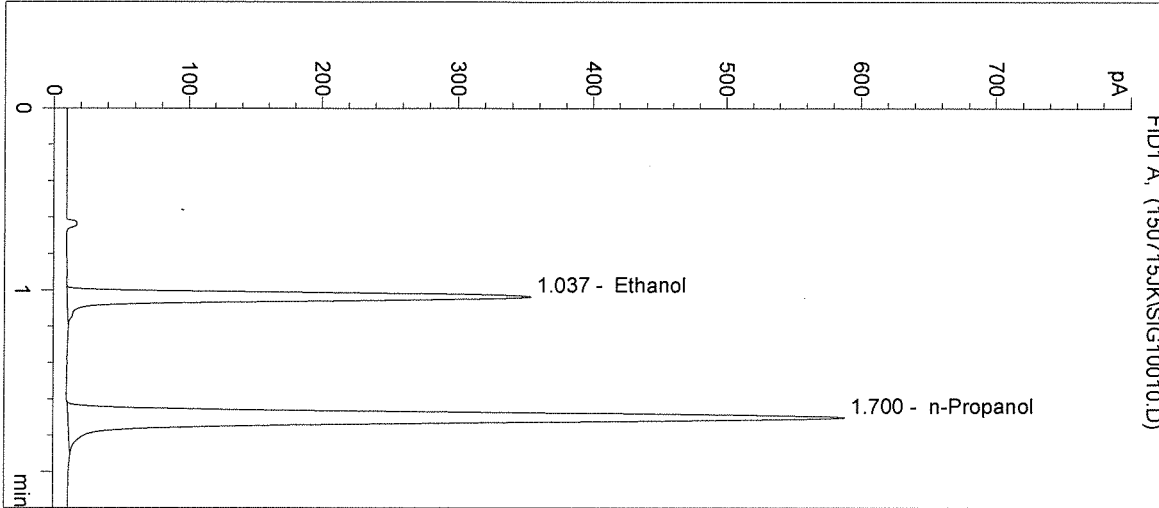
Operator: Justin Knoy

Column: DB-ALC1

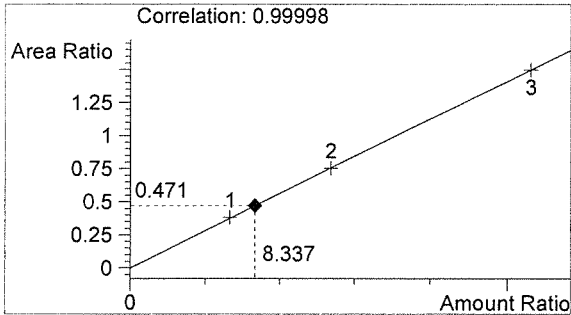
Location: Vial 10

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

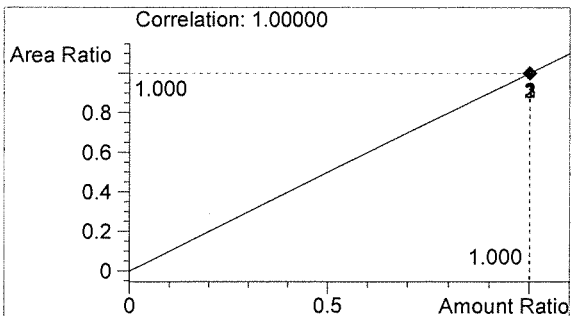
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1078	1.037
2	n-Propanol	2287	1.700



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 7/15/2015 10:06:51 AM

Sample Name: 15031-2

Instrument: HSGC#1

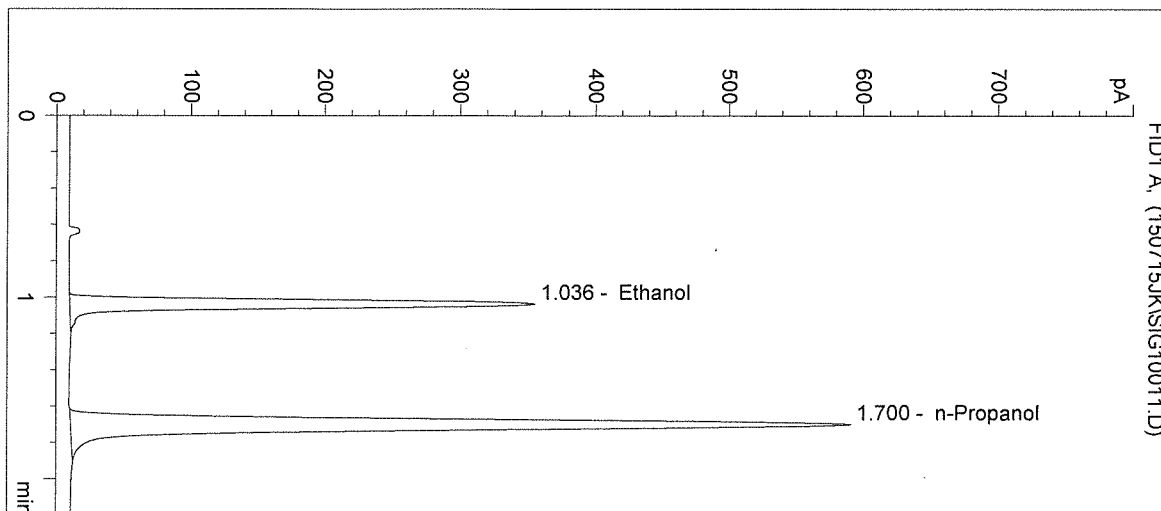
Operator: Justin Knoy

Column: DB-ALC1

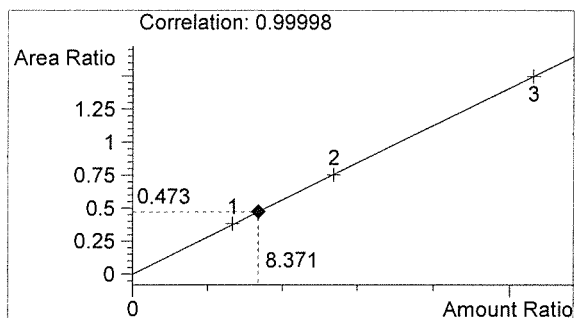
Location: Vial 11

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

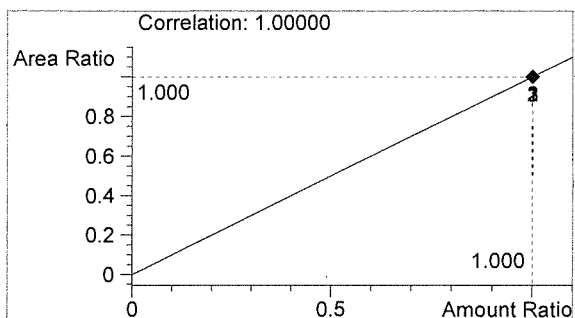
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1092	1.036
2	n-Propanol	2306	1.700



Ethanol 0.100 g/100mL



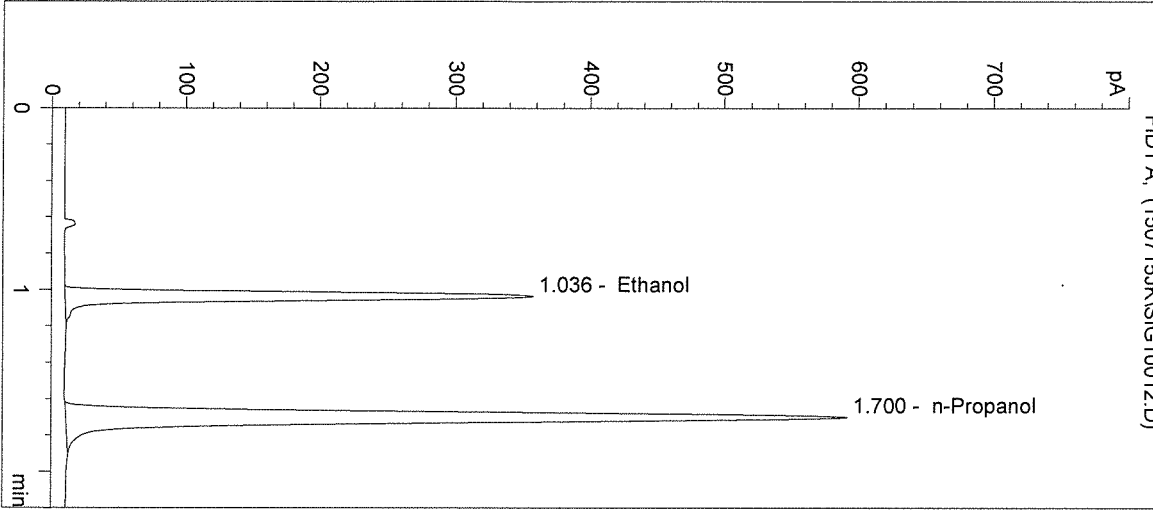
n-Propanol 0.012 g/100mL

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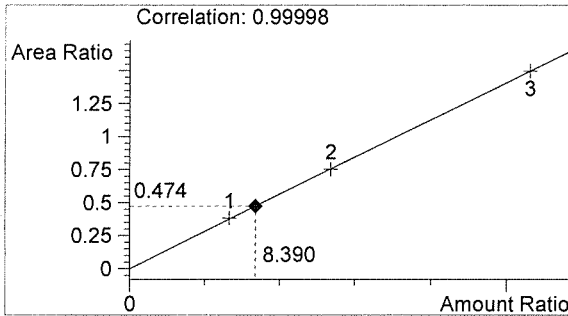
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/15/2015 10:10:05 AM Sample Name: 15031-3
 Instrument: HSGC#1 Operator: Justin Knoy
 Column: DB-ALC1 Location: Vial 12
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

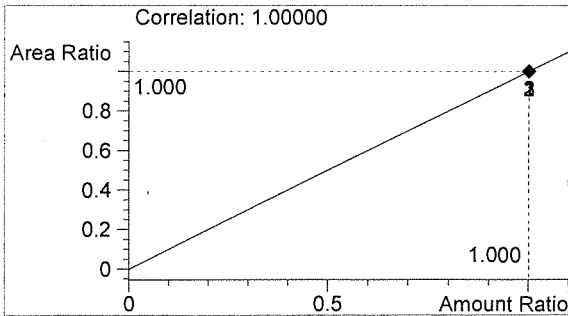
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1090	1.036
2	n-Propanol	2297	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 7/15/2015 10:13:18 AM

Sample Name: 15031-4

Instrument: HSGC#1

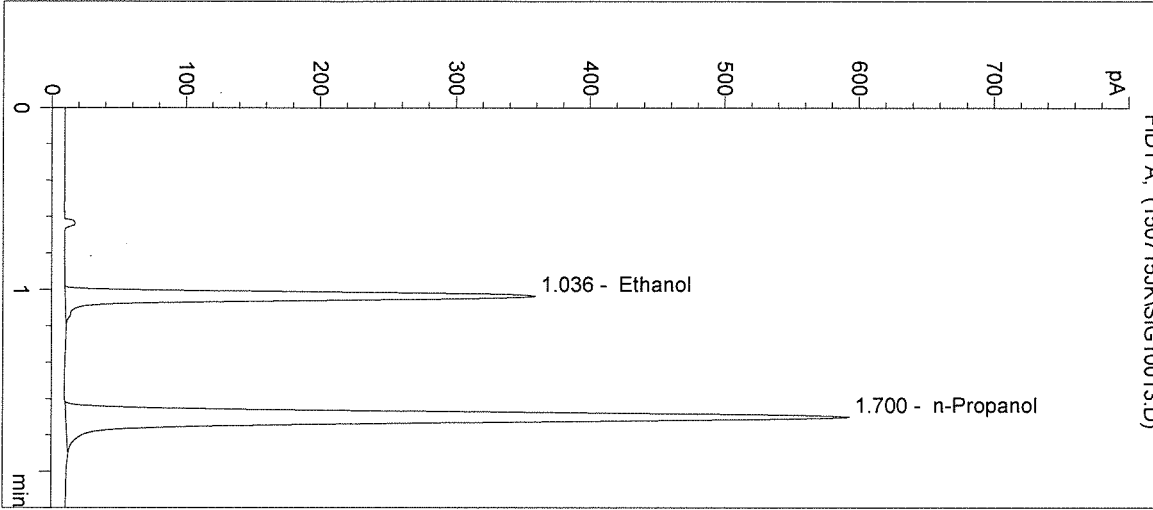
Operator: Justin Knoy

Column: DB-ALC1

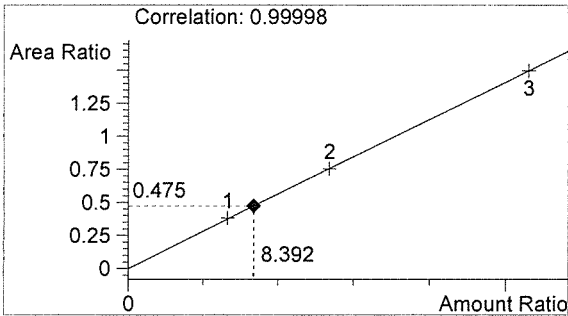
Location: Vial 13

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

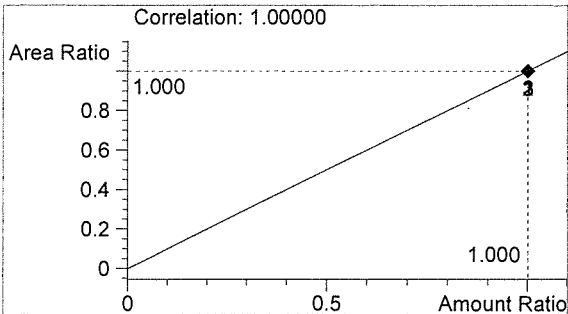
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1092	1.036
2	n-Propanol	2301	1.700



Ethanol 0.101 g/100mL



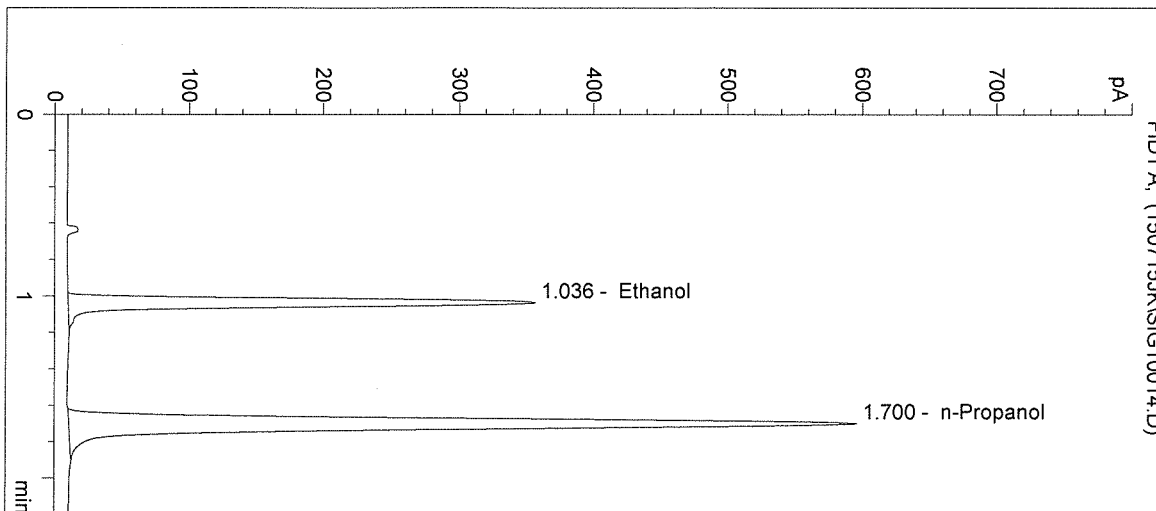
n-Propanol 0.012 g/100mL

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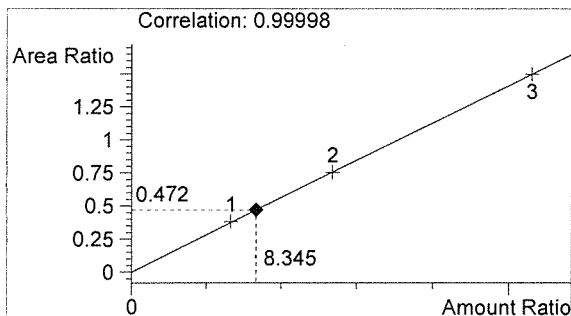
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 2203 Airport Way S Seattle, WA 98134

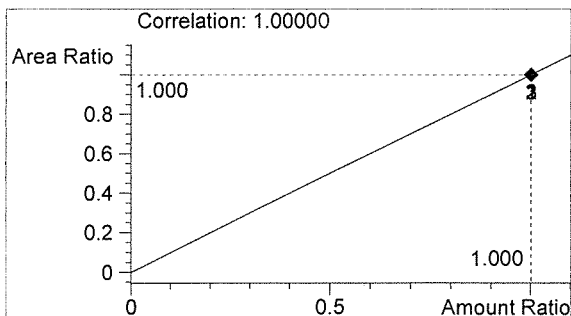
Inj. Date: 7/15/2015 10:16:31 AM Sample Name: 15031-5
 Instrument: HSGC#1 Operator: Justin Knoy
 Column: DB-ALC1 Location: Vial 14
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1091	1.036
2	n-Propanol	2313	1.700



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: 7/15/2015 10:19:45 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

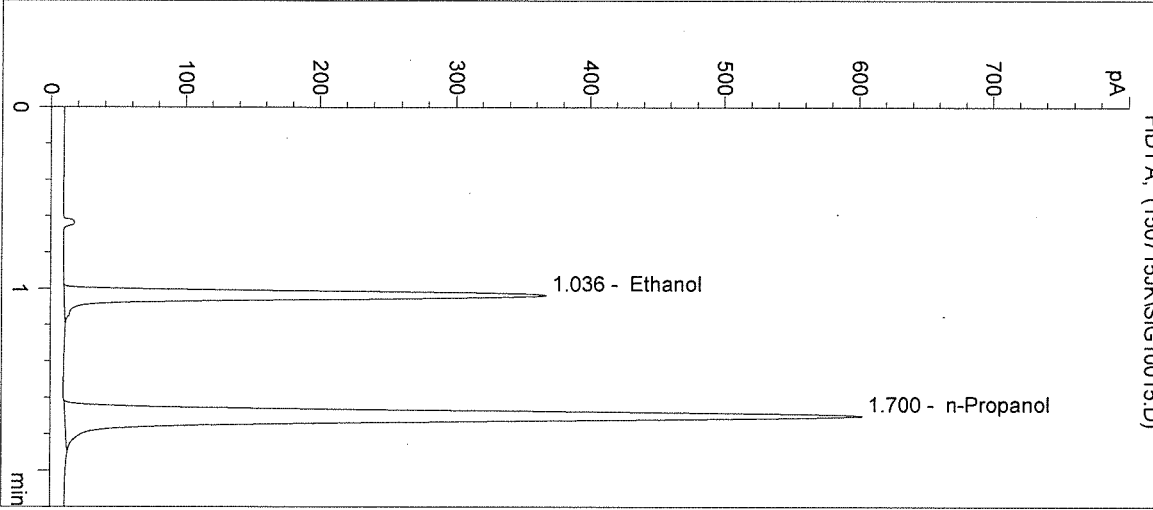
Operator: Justin Knoy

Column: DB-ALC1

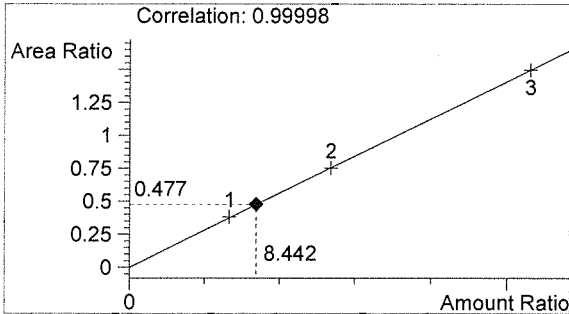
Location: Vial 15

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

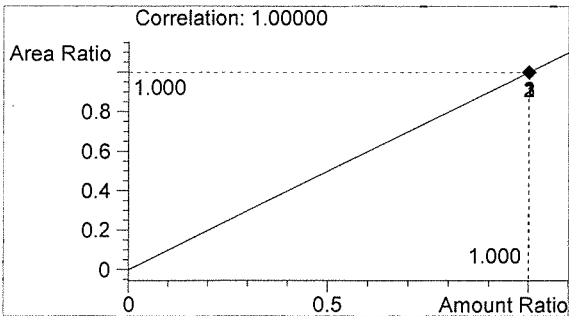
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	1115	1.036
2	n-Propanol	2335	1.700



Ethanol 0.101 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: 7/15/2015 10:22:58 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

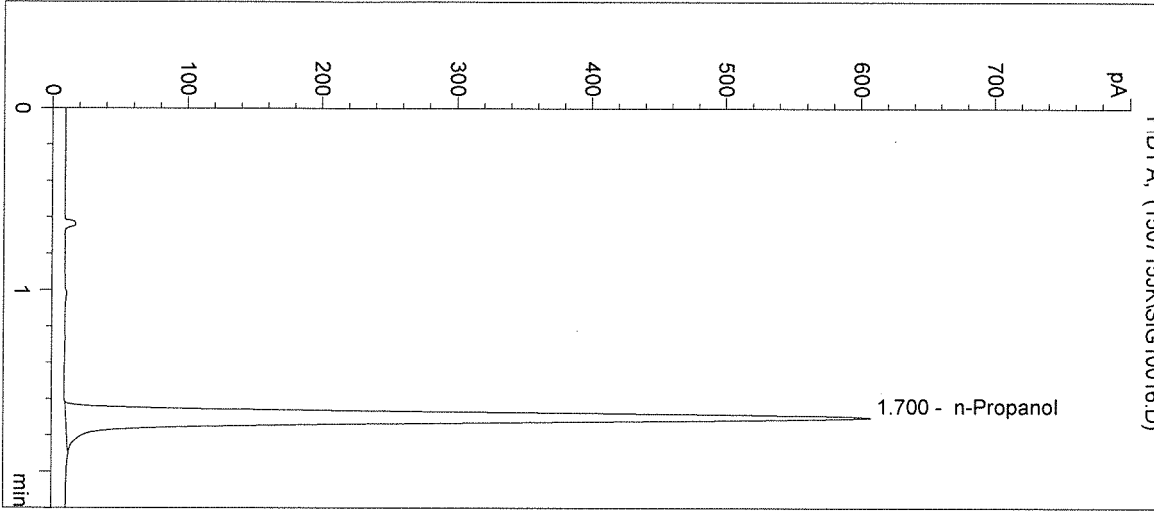
Operator: Justin Knoy

Column: DB-ALC1

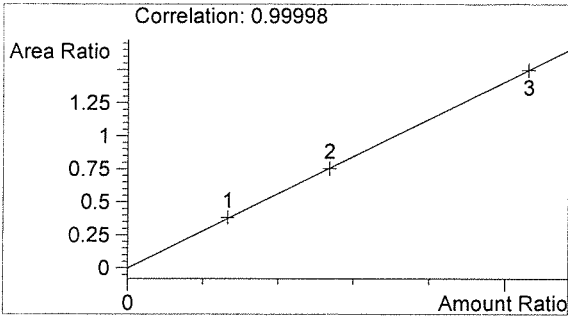
Location: Vial 16

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

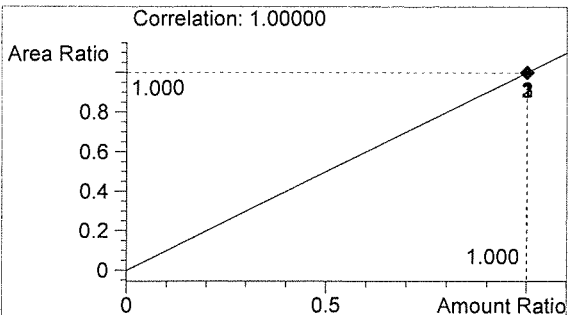
Sample Info: 15031



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2356	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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