



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 14071**

**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: 0.10 g/210L  
DATE PREPARED: 12/31/2014  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Justin L. Knoy

	JLK	KH	AG
1	0.127	0.127	0.126
2	0.127	0.128	0.127
3	0.127	0.128	0.127
4	0.128	0.128	0.127
5	0.127	0.128	0.127
C	0.102	0.102	0.103

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

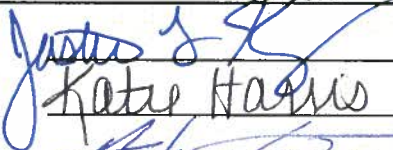


AVERAGE SOLUTION CONCENTRATION: 0.1273 g/100mL PRECISION CV (%): 0.47  
STANDARD DEVIATION: 0.00059 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1035 g/210L  
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

  
\_\_\_\_\_  
Lisa Noble Forensic Scientist Supervisor

  
\_\_\_\_\_  
DATE REPORT ISSUED

ANALYST	NAME	THIS TESTING WAS PERFORMED BY:	
		SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		12/31/2014
KH	Katie Harris		01/05/2015
AG	Andrew Gingras		01/06/2015

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

QAP Solution Batch #: 14071

Date Prepared: 12/31/2014

Analyst:	JLK	KH	AG
Date Tested:	12/31/2014	1/5/2015	1/6/2015
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.127	0.127	0.126
2	0.127	0.128	0.127
3	0.127	0.128	0.127
4	0.128	0.128	0.127
5	0.127	0.128	0.127
C	0.102	0.102	0.103

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000014504	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.1273 g/100mL  
Standard Deviation: 0.00059 g/100mL  
Precision CV (%): 0.47  
Equivalent Vapor Concentration: 0.1035 g/210L  
Combined Standard Uncertainty (±): 0.0011 g/210L  
-? Expanded Uncertainty (±): 0.0022 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 1/8/15  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 1-12-15  
Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 1/7/15  
Name Signature Date

[Signature]

# SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 1-12-15

Location: WSP-FLSB Seattle, WA Solution Batch Number: 14071

	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: 1-12-15



**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
<b>Amanda Chandler</b>		
<b>Andrew Gingras</b>	<i>AG</i>	1/8/15
<b>Asa Louis</b>		
<b>Brittany Thomas</b>		
<b>Christie Mitchell-Mata</b>		
<b>Christopher Johnston</b>		
<b>David Nguyen</b>		
<b>Dawn Sklerov</b>		
<b>Elizabeth Wehner</b>		
<b>Justin Knoy</b>	<i>JK</i>	1-8-15
<b>Katie Harris</b>	<i>KH</i>	1/8/15
<b>Lyndsey Lowe</b>		
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>		

Batch # 14071 1/8/15

*JK*

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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14071**

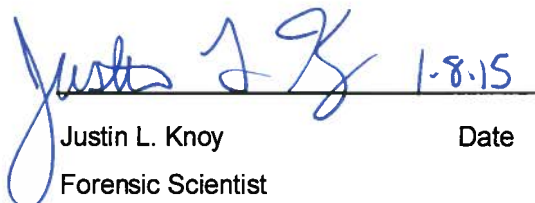
I, Justin L. Knoy, do certify under penalty of perjury that:

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 14071, was prepared in the Washington State Toxicology Laboratory on 12/31/2014. 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 12/31/2015.

Seattle, WA

  
Justin L. Knoy  
Forensic Scientist

Date

1-8-15

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14071**

I, Katie Harris, 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 in Biochemistry and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 14071, was prepared in the Washington State Toxicology Laboratory on 12/31/2014. 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 12/31/2015.

Seattle, WA

*Katie Harris*      *1/8/15*

Katie Harris

Date

Forensic Scientist



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14071**

I, Andrew Gingras, 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 Cell and Molecular Biology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 14071, was prepared in the Washington State Toxicology Laboratory on 12/31/2014. 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 12/31/2015.

Seattle, WA

 1/8/15

Andrew Gingras

Date

Forensic Scientist



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

Preparation Date: 12-31-14 Expiration Date: 12-31-15 Initials of Preparer: JK

Lot # of 200-proof Ethanol used in preparation: 206-0231

Date the 200-proof Ethanol bottle was opened: 12-3-14

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>14069</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>14070</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>14071</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>14072</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>14073</u>
ESS	66.5	52	<input type="checkbox"/>	<u>          </u>

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed

12-31-14  
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:

[Signature]  
Analyst Signature

12-31-14  
Date

[Signature]



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: 141231JU

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0814-01 - Exp. 02/19/2015  
 Ethanol Calibrator 2, E0814-02 - Exp. 02/19/2015  
 Ethanol Calibrator 3, E0814-03 - Exp. 02/19/2015  
 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#P1114 - Exp. 02/20/2015

Calibration vials 1-9 filed with 14071.

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	14071-1	SIMALC1	1	Sample		
11	Vial 11	14071-2	SIMALC1	1	Sample		
12	Vial 12	14071-3	SIMALC1	1	Sample		
13	Vial 13	14071-4	SIMALC1	1	Sample		
14	Vial 14	14071-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

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*

*JK*

Sequence Table (Back Injector):

No entries - empty table!

14071

*Justin*

*JK*

*JK*

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

Calib. Data Modified : Wednesday, December 31, 2014 3:15:03 PM

Calculate : Internal Standard  
 Based on : Peak Area

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

Curve Type : Linear  
 Origin : Included  
 Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.037	1 1	7.95500e-2	875.35181	9.08777e-5	1 Ethanol
		1.59740e-1	1720.67297	9.28358e-5	
		3.21980e-1	3359.98608	9.58278e-5	
1.701	1 1	1.20000e-2	2458.09839	4.88182e-6	I1 n-Propanol
		1.20000e-2	2450.40601	4.89715e-6	
		1.20000e-2	2405.94092	4.98765e-6	

14071

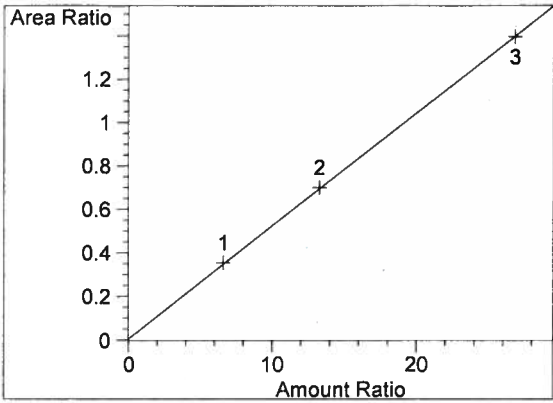
*initials*

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

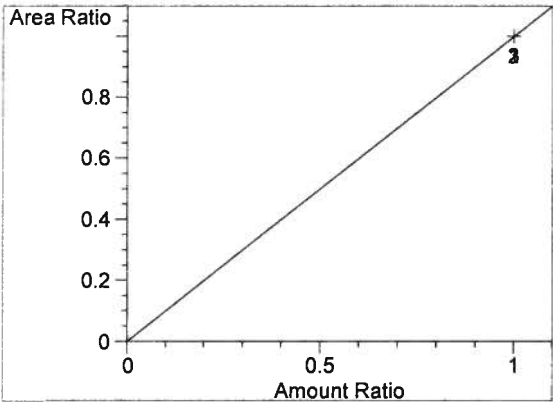
\*\*\*No Entries in table\*\*\*  
 =====

*JK*

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



Ethanol at exp. RT: 1.037  
FID1 A,  
Correlation: 0.99995  
Residual Std. Dev.: 0.00713  
Formula:  $y = mx + b$   
m: 5.19442e-2  
b: 6.32102e-3  
x: Amount Ratio  
y: Area Ratio



n-Propanol at exp. RT: 1.701  
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

=====  
14071

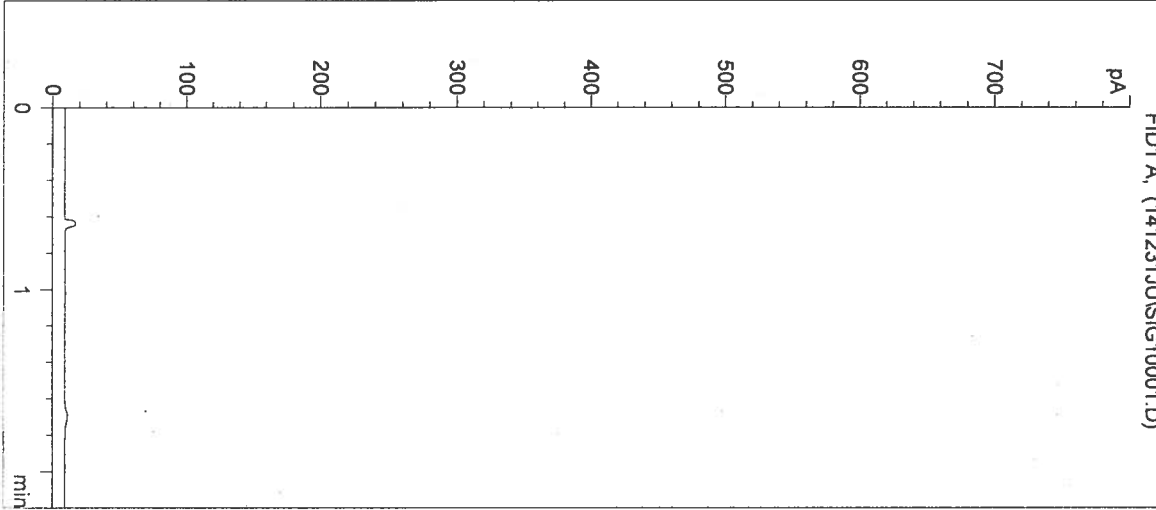
*Jan 17/15*

*JK*

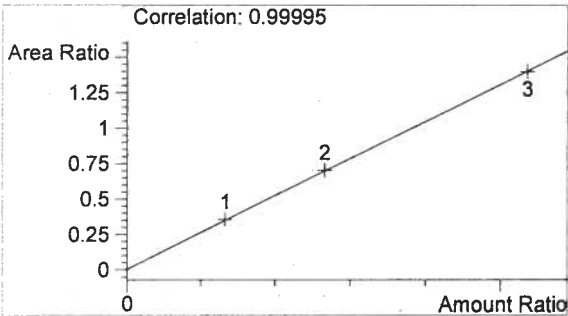
*JK*

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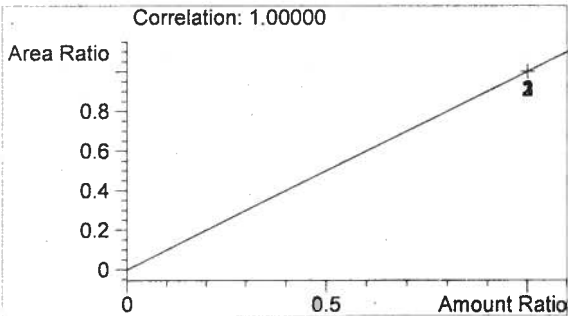
Inj. Date: 12/31/2014 3:02:59 PM      Sample Name: BLANK  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 14071



#	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

*JK*  
*JK*

Inj. Date: 12/31/2014 3:06:16 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

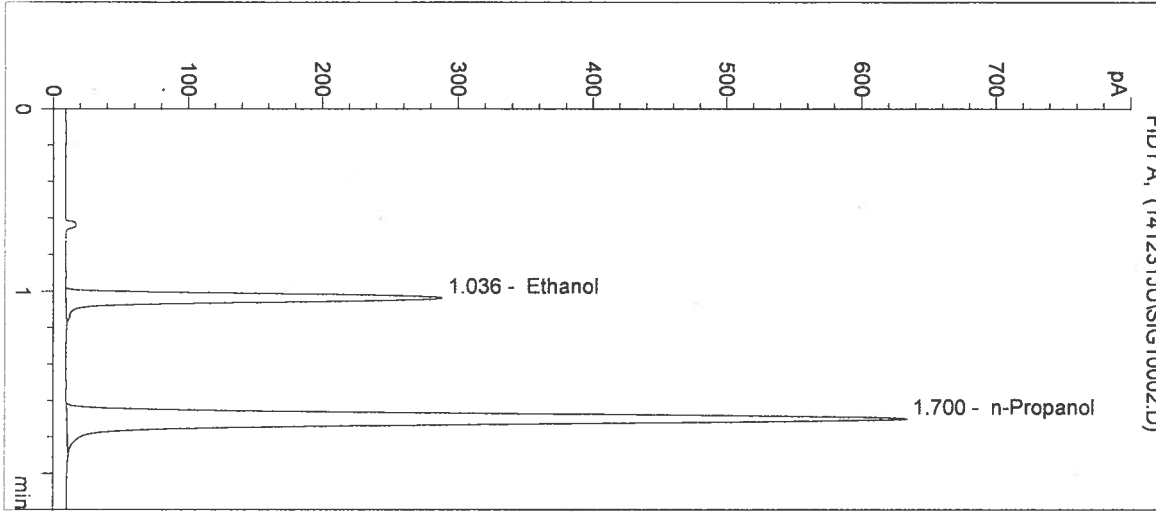
Operator: Justin Knoy

Column: DB-ALC1

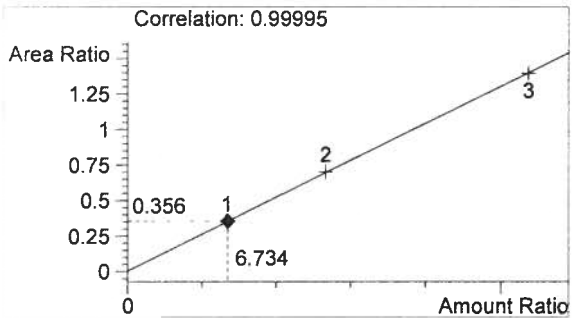
Location: Vial 2

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

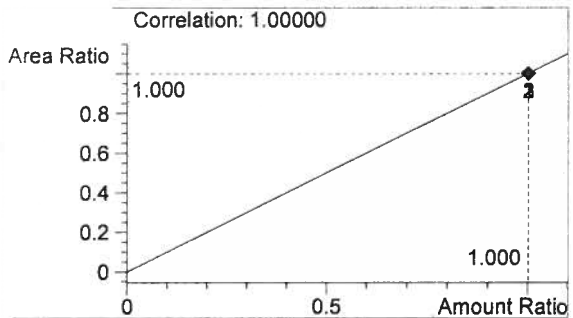
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	875	1.036
2	n-Propanol	2458	1.700



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

*h*  
*h*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/31/2014 3:09:33 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

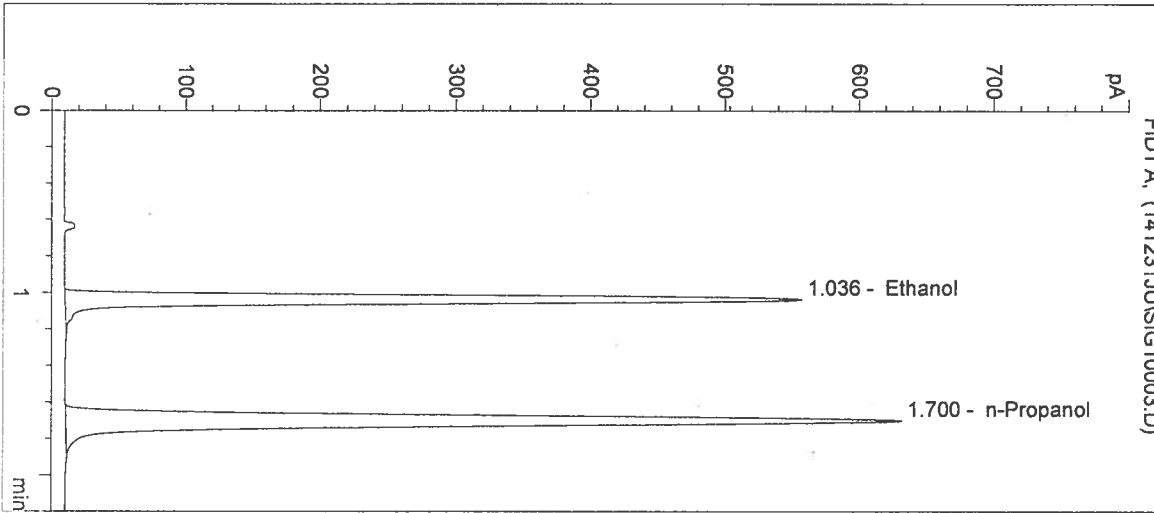
Operator: Justin Knoy

Column: DB-ALC1

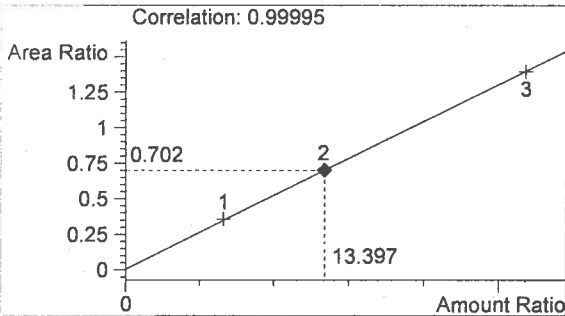
Location: Vial 3

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

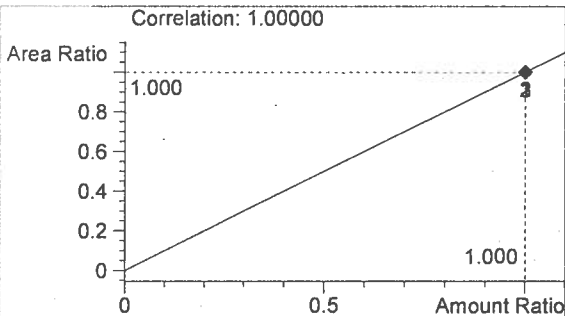
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	1721	1.036
2	n-Propanol	2450	1.700



Ethanol 0.161 g/100mL

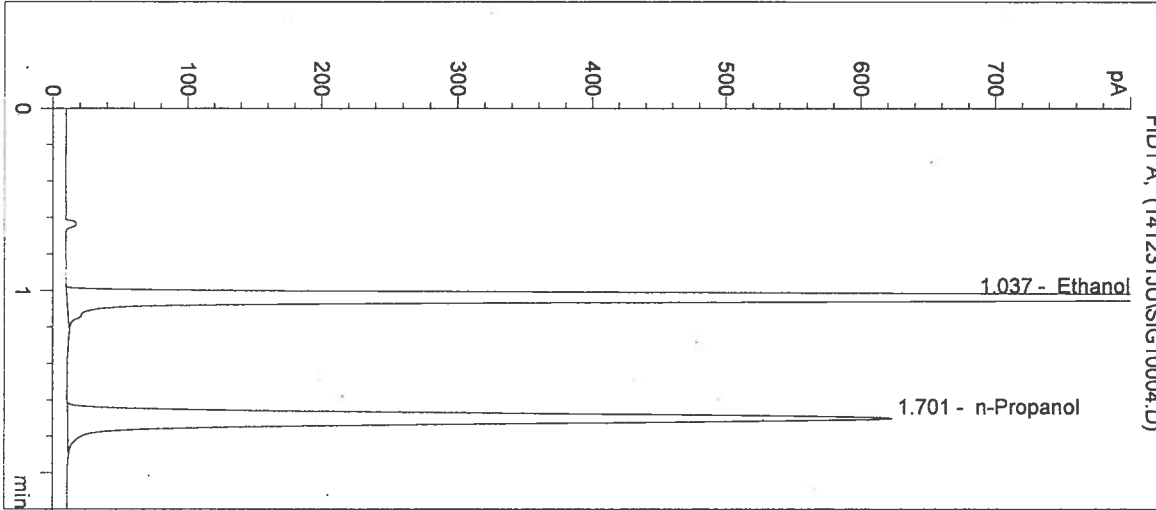


n-Propanol 0.012 g/100mL

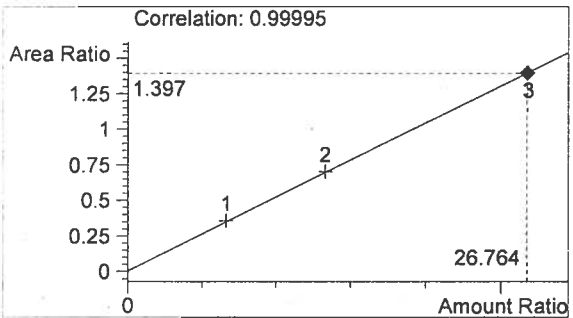
*JK*

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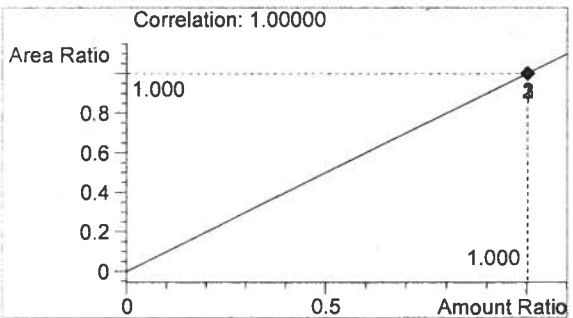
Inj. Date: 12/31/2014 3:12:50 PM      Sample Name: 0.316 CAL 3  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 4  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	3360	1.037
2	n-Propanol	2406	1.701



Ethanol      0.321 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten signature/initials*



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2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/31/2014 3:16:04 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

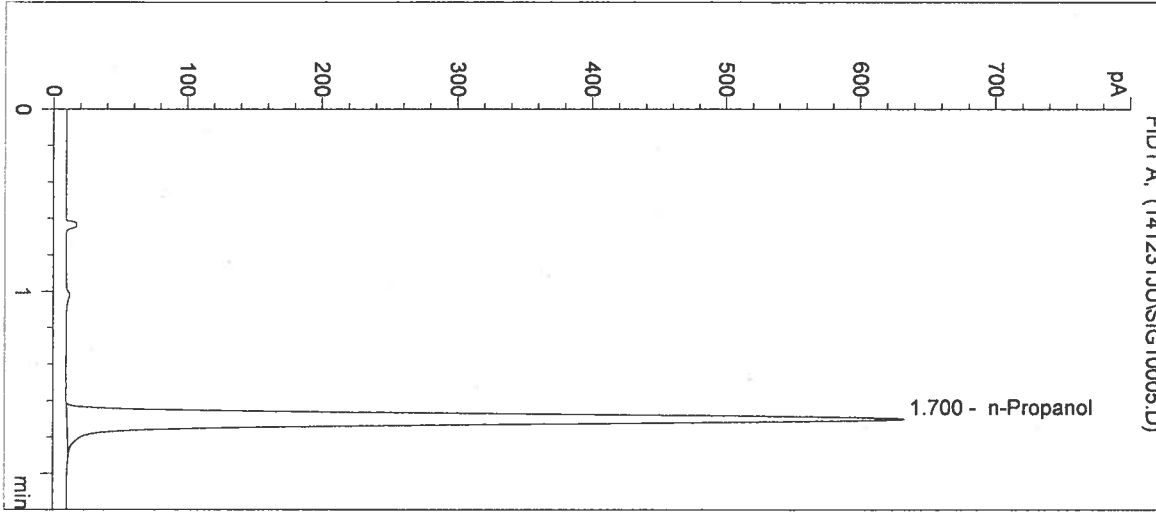
Operator: Justin Knoy

Column: DB-ALC1

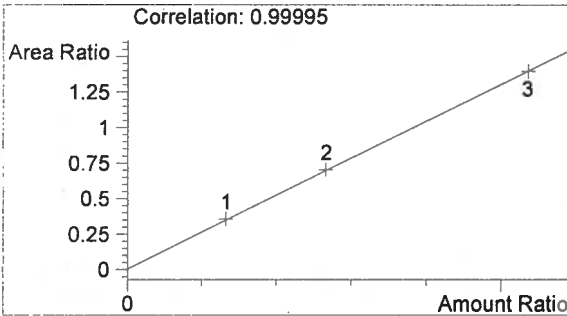
Location: Vial 5

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

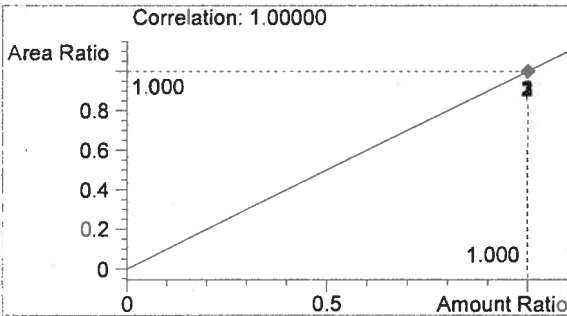
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2458	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*JK*

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/31/2014 3:19:17 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

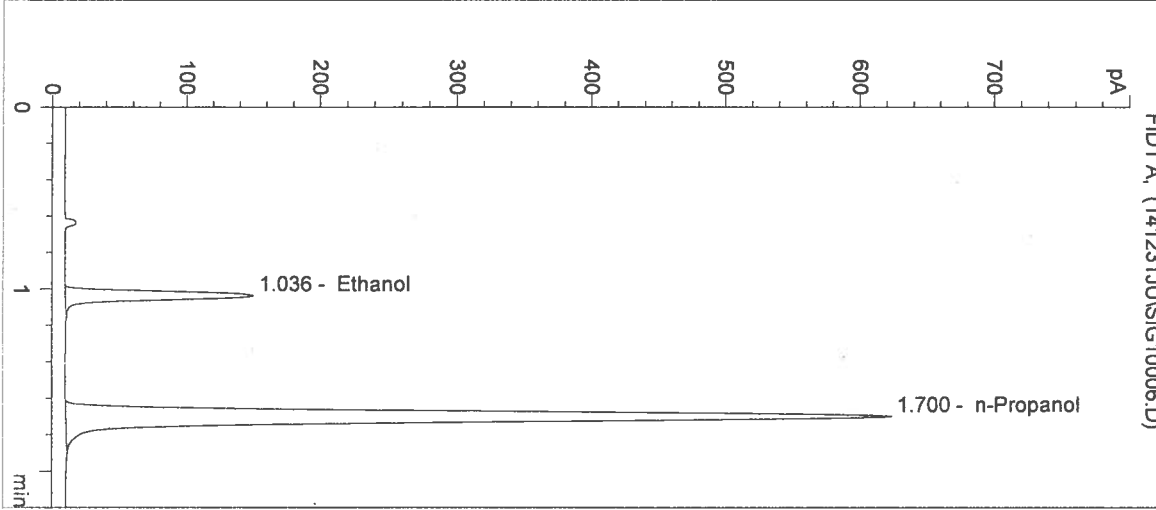
Operator: Justin Knoy

Column: DB-ALC1

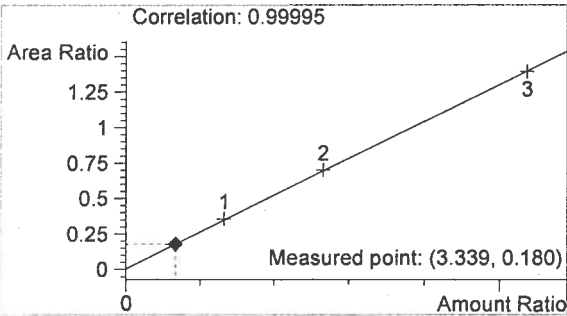
Location: Vial 6

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

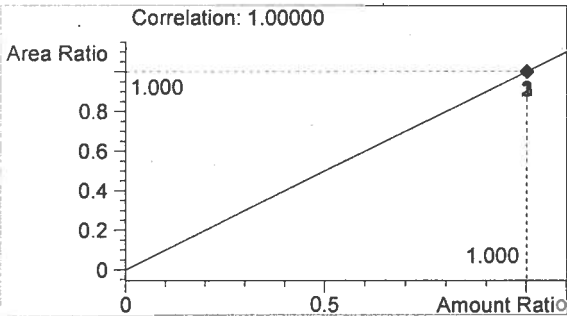
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	434	1.036
2	n-Propanol	2412	1.700



Ethanol 0.040 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: 12/31/2014 3:22:30 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

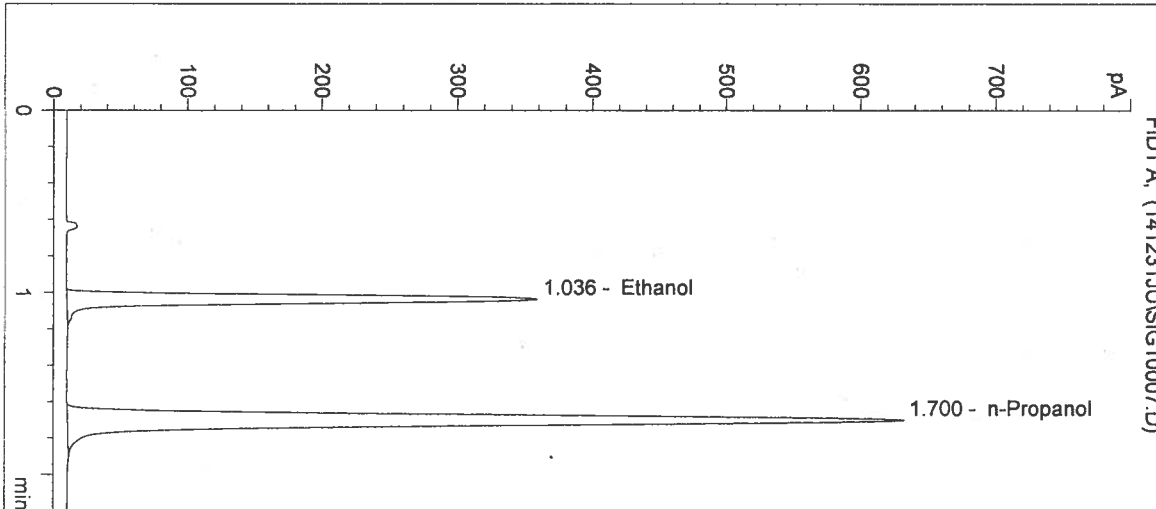
Operator: Justin Knoy

Column: DB-ALC1

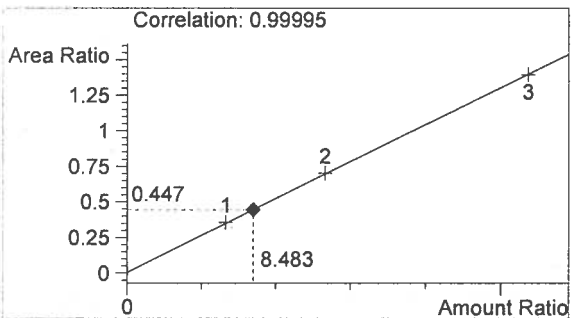
Location: Vial 7

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

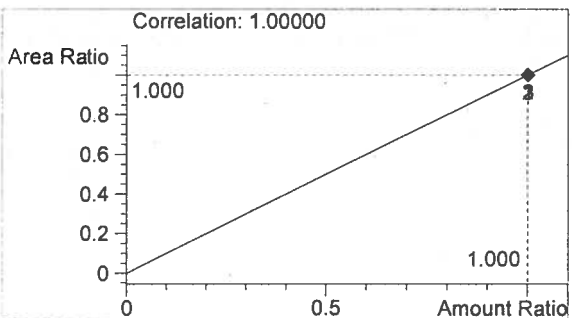
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	1099	1.036
2	n-Propanol	2460	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature/initials*

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

Inj. Date: 12/31/2014 3:25:43 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

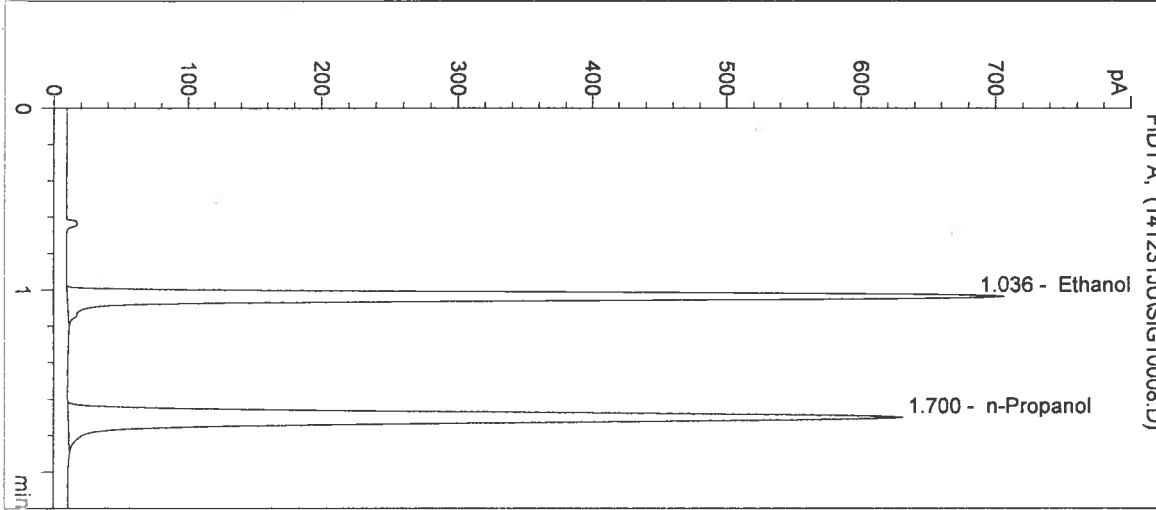
Operator: Justin Knoy

Column: DB-ALC1

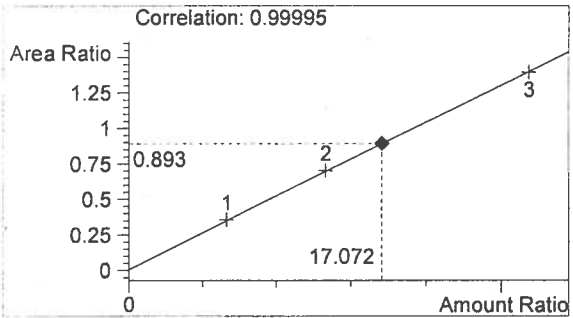
Location: Vial 8

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

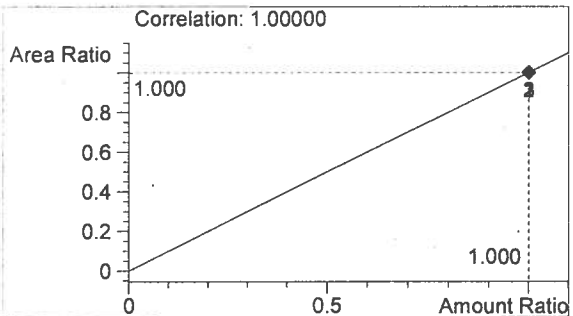
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	2185	1.036
2	n-Propanol	2446	1.700



Ethanol 0.205 g/100mL

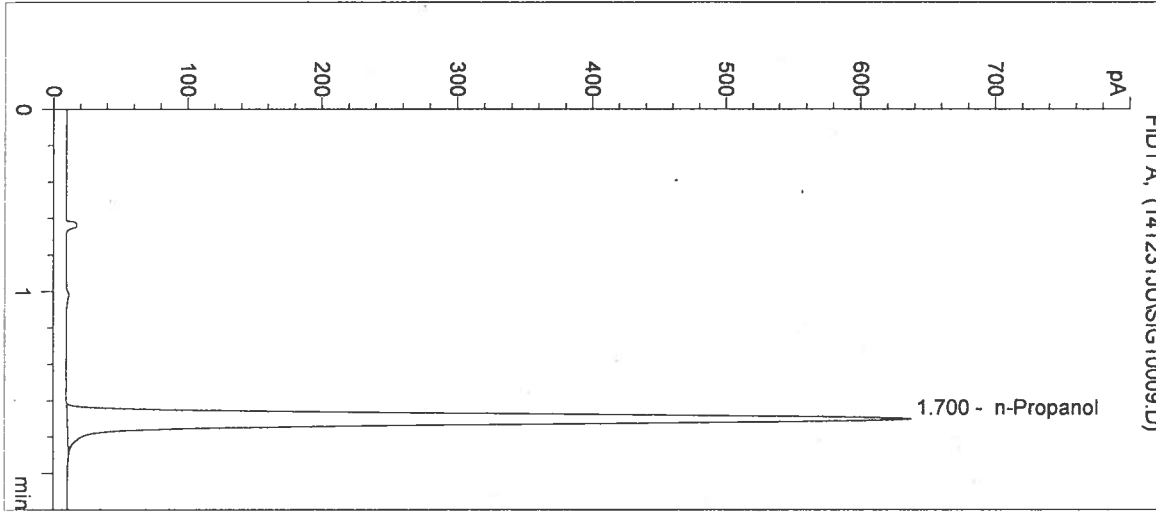


n-Propanol 0.012 g/100mL

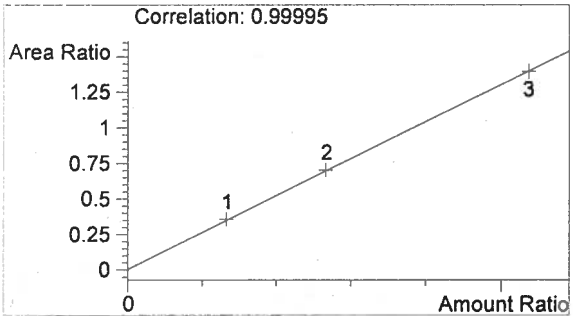
*Handwritten signature/initials*

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2203 Airport Way S Seattle, WA 98134

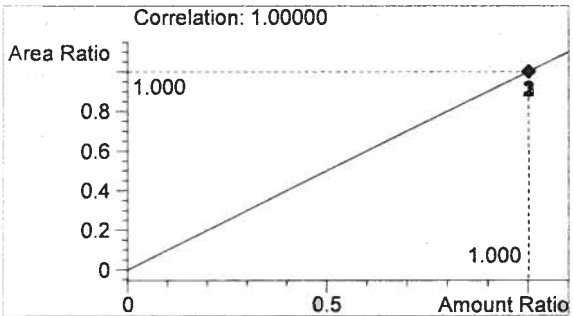
Inj. Date: 12/31/2014 3:28:56 PM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 9  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2480	1.700



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*JK*  
*JK*

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

Inj. Date: 12/31/2014 3:32:09 PM

Sample Name: 14071-1

Instrument: HSGC#1

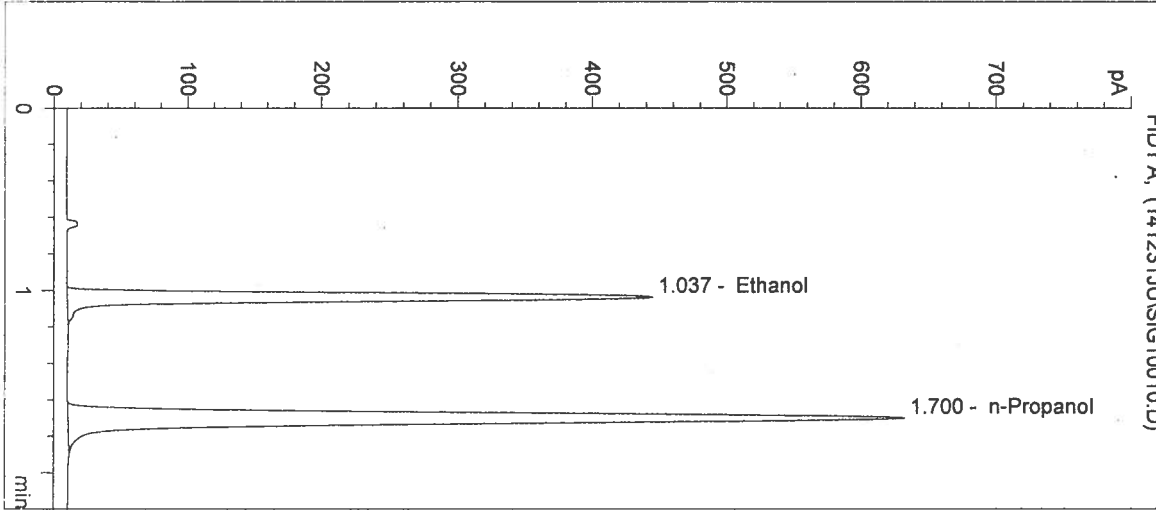
Operator: Justin Knoy

Column: DB-ALC1

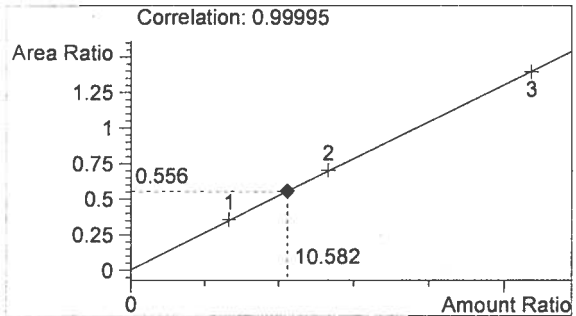
Location: Vial 10

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

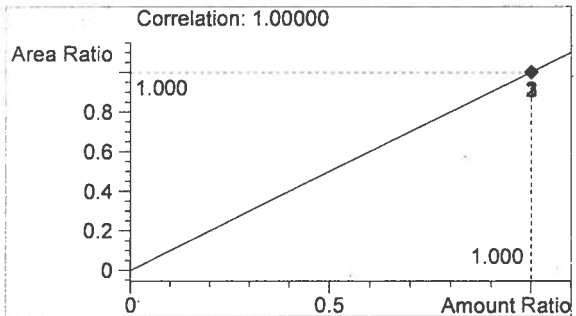
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1366	1.037
2	n-Propanol	2457	1.700



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*JK*

Inj. Date: 12/31/2014 3:35:22 PM

Sample Name: 14071-2

Instrument: HSGC#1

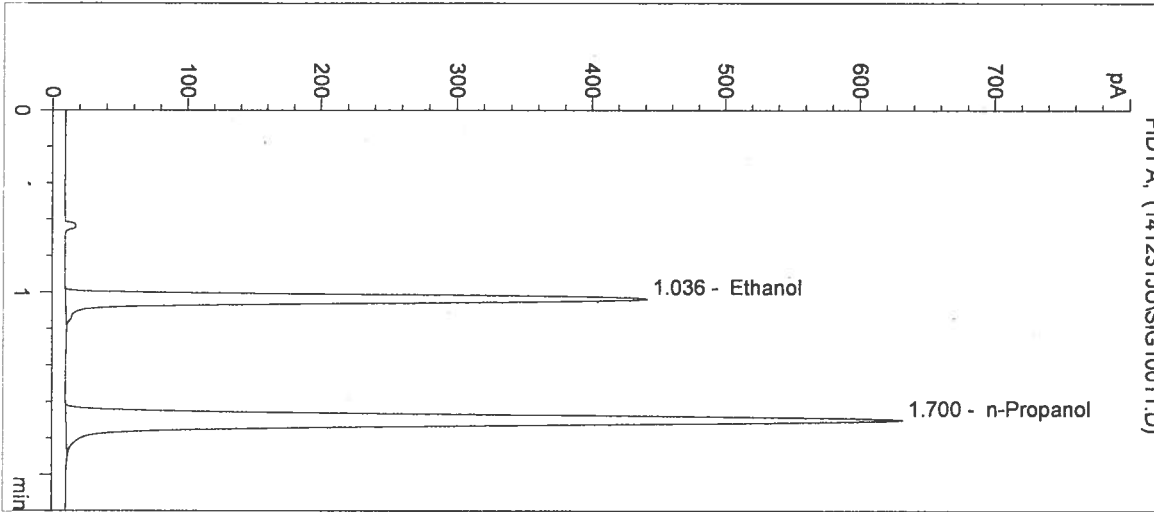
Operator: Justin Knoy

Column: DB-ALC1

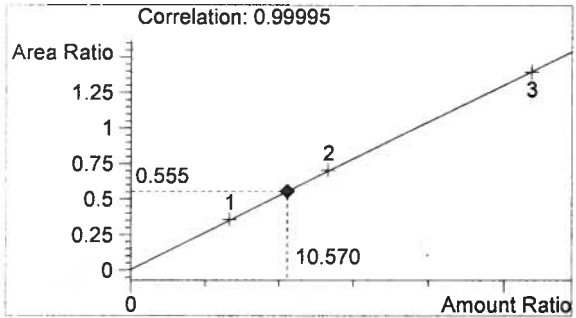
Location: Vial 11

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

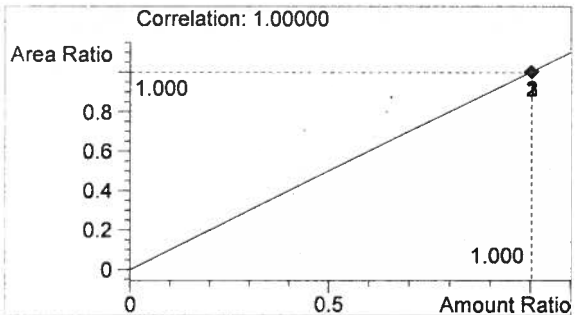
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1367	1.036
2	n-Propanol	2461	1.700



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*JK*

Inj. Date: 12/31/2014 3:38:35 PM

Sample Name: 14071-3

Instrument: HSGC#1

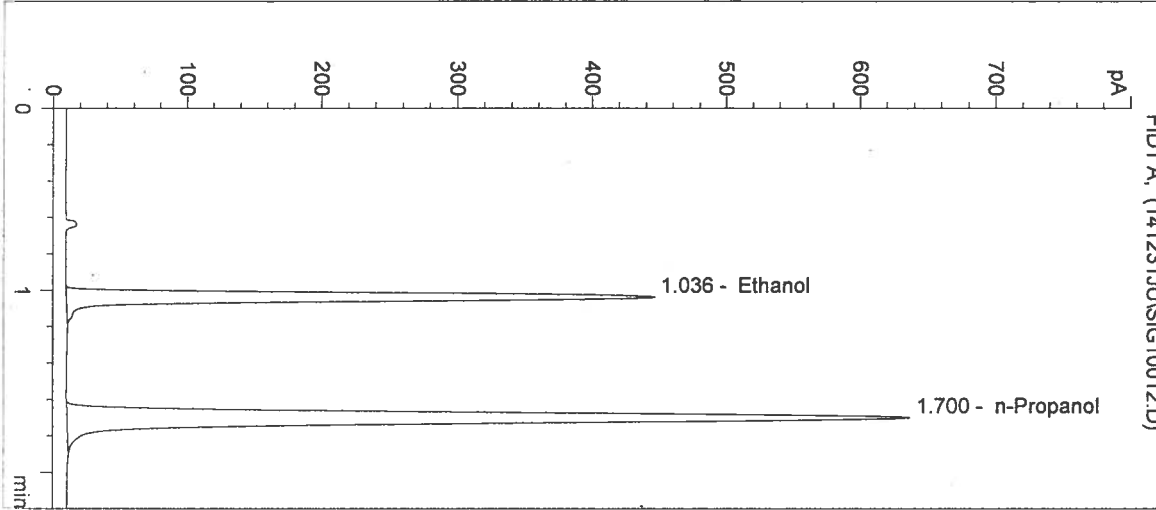
Operator: Justin Knoy

Column: DB-ALC1

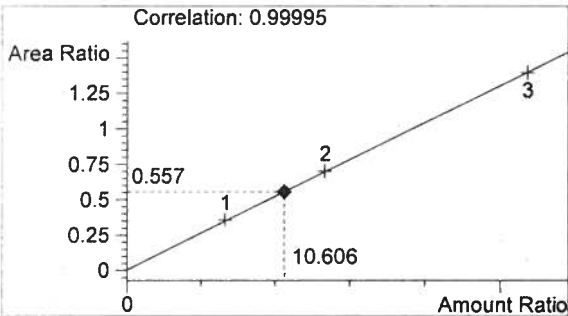
Location: Vial 12

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

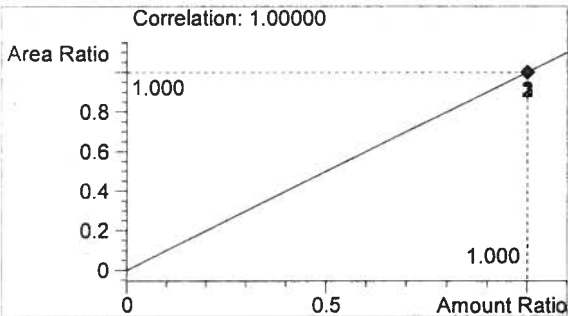
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1380	1.036
2	n-Propanol	2476	1.700



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature/initials*



Inj. Date: 12/31/2014 3:41:49 PM

Sample Name: 14071-4

Instrument: HSGC#1

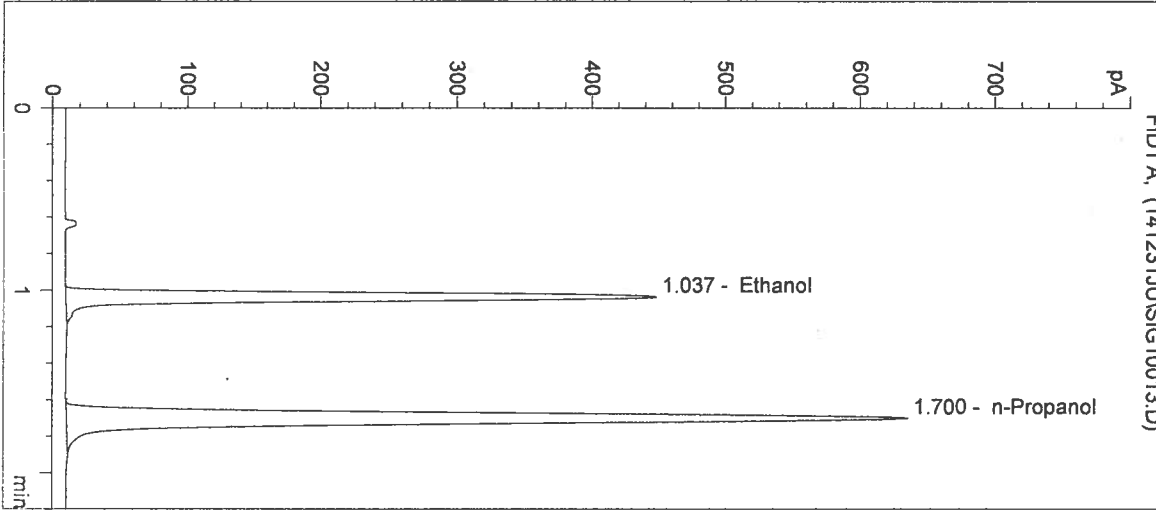
Operator: Justin Knoy

Column: DB-ALC1

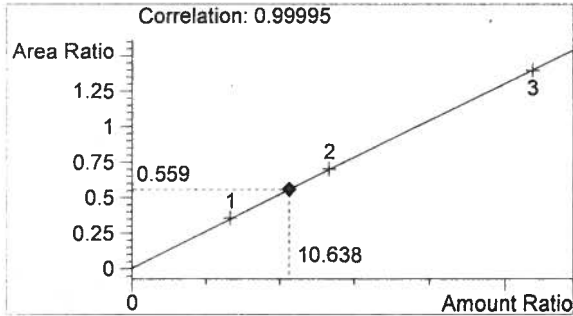
Location: Vial 13

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

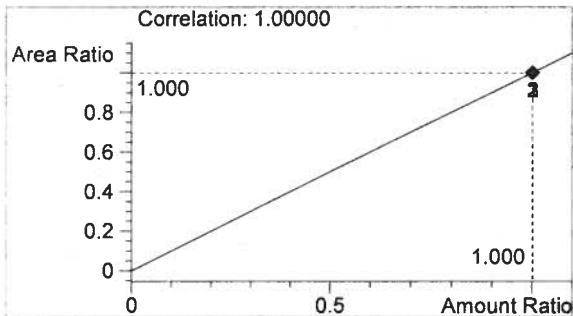
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1376	1.037
2	n-Propanol	2462	1.700



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature/initials*

Inj. Date: 12/31/2014 3:45:03 PM

Sample Name: 14071-5

Instrument: HSGC#1

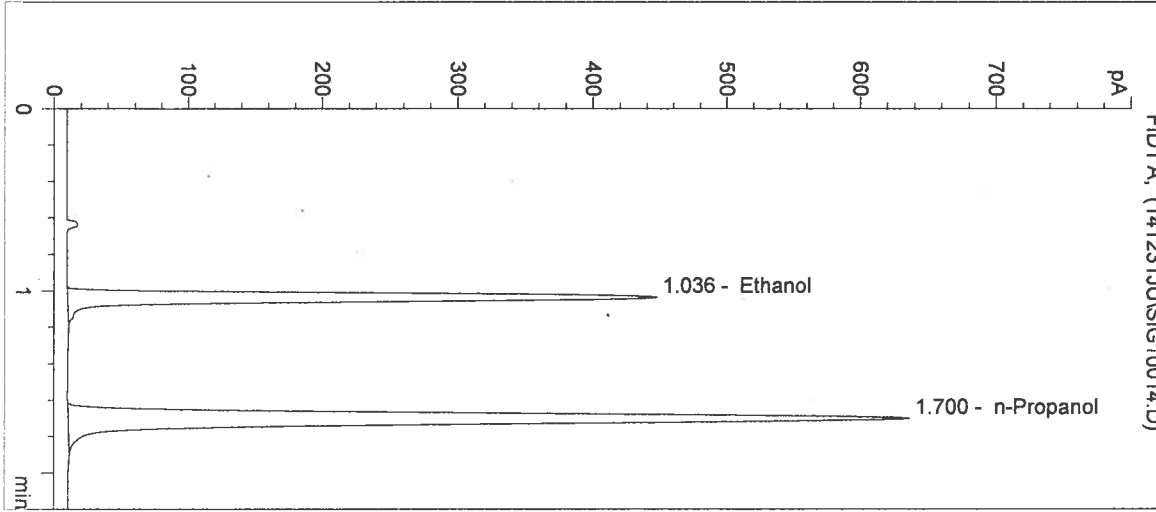
Operator: Justin Knoy

Column: DB-ALC1

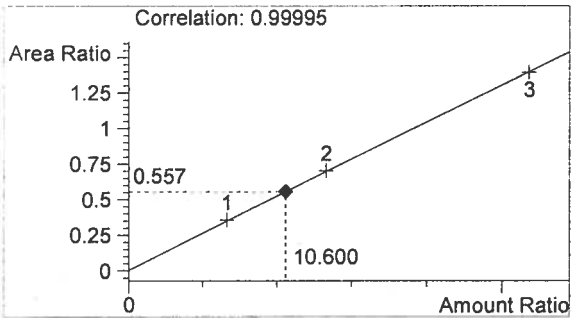
Location: Vial 14

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

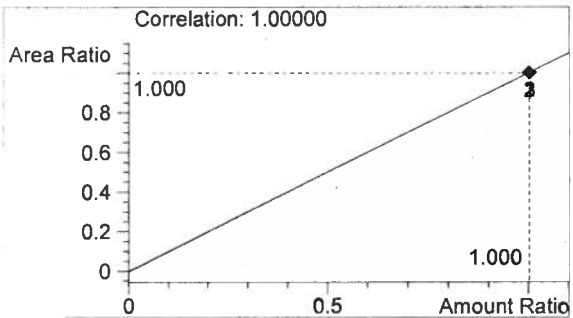
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1376	1.036
2	n-Propanol	2470	1.700



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/31/2014 3:48:15 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

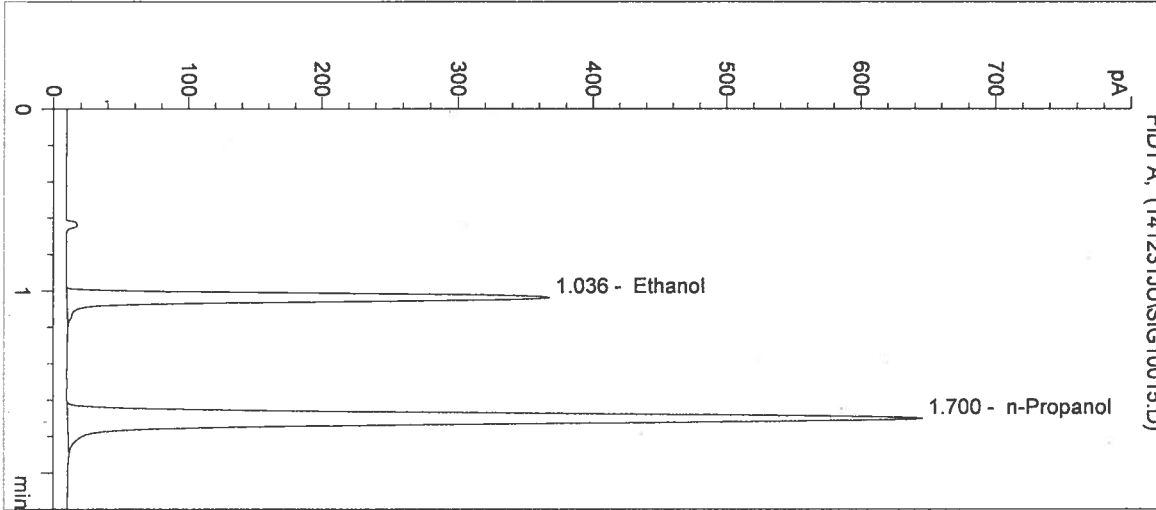
Operator: Justin Knoy

Column: DB-ALC1

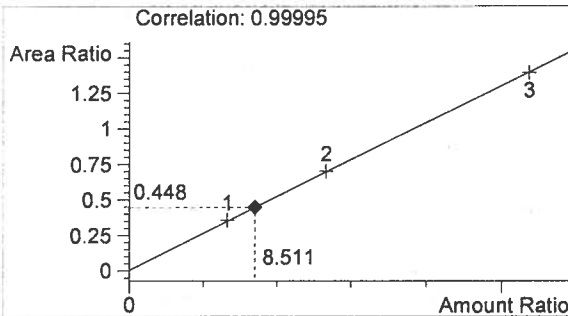
Location: Vial 15

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

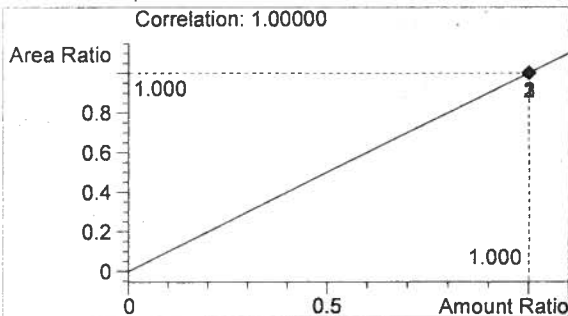
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	1126	1.036
2	n-Propanol	2510	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten initials/signature*

Inj. Date: 12/31/2014 3:51:29 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

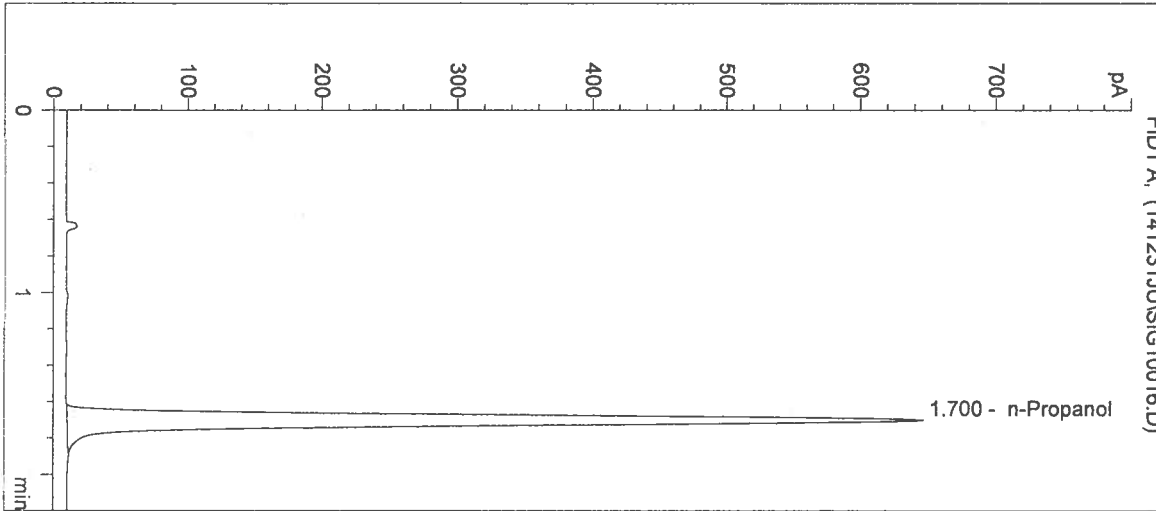
Operator: Justin Knoy

Column: DB-ALC1

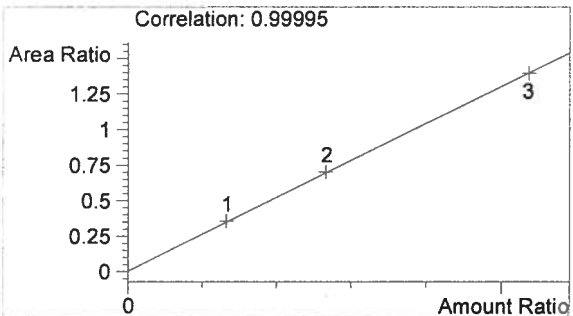
Location: Vial 16

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

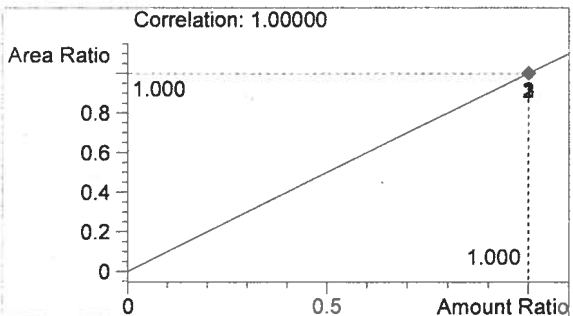
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2506	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*JK*

Sequence Parameters:

Operator: Katie Harris  
 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: 150105K1  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0814-01 - Exp. 02/19/2015  
 Ethanol Calibrator 2, E0814-02 - Exp. 02/19/2015  
 Ethanol Calibrator 3, E0814-03 - Exp. 02/19/2015  
 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#P1114 - Exp. 02/20/15

Calibration vials 1-9 filed with ~~14069~~  
 14070 *fn 1/7/15*

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	14069-1	SIMALC1	1	Sample		
11	Vial 11	14069-2	SIMALC1	1	Sample		
12	Vial 12	14069-3	SIMALC1	1	Sample		
13	Vial 13	14069-4	SIMALC1	1	Sample		
14	Vial 14	14069-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	14070-1	SIMALC1	1	Sample		
18	Vial 18	14070-2	SIMALC1	1	Sample		
19	Vial 19	14070-3	SIMALC1	1	Sample		
20	Vial 20	14070-4	SIMALC1	1	Sample		
21	Vial 21	14070-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	14071-1	SIMALC1	1	Sample		
25	Vial 25	14071-2	SIMALC1	1	Sample		
26	Vial 26	14071-3	SIMALC1	1	Sample		

14071  
*fn 1/7/15*

*Data Not  
 used  
 KH  
 1/6/15*

*JK*  
*KH*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14071-4	SIMALC1	1	Sample		
28	Vial 28	14071-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	14072-1	SIMALC1	1	Sample		
32	Vial 32	14072-2	SIMALC1	1	Sample		
33	Vial 33	14072-3	SIMALC1	1	Sample		
34	Vial 34	14072-4	SIMALC1	1	Sample		
35	Vial 35	14072-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	14073-1	SIMALC1	1	Sample		
39	Vial 39	14073-2	SIMALC1	1	Sample		
40	Vial 40	14073-3	SIMALC1	1	Sample		
41	Vial 41	14073-4	SIMALC1	1	Sample		
42	Vial 42	14073-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

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		

Sequence Table (Back Injector):

No entries - empty table!

14071

*2/17/15*

*fu*

*KH*

Inj. Date: 1/5/2015 3:07:55 PM

Sample Name: 14071-1

Instrument: HSGC#1

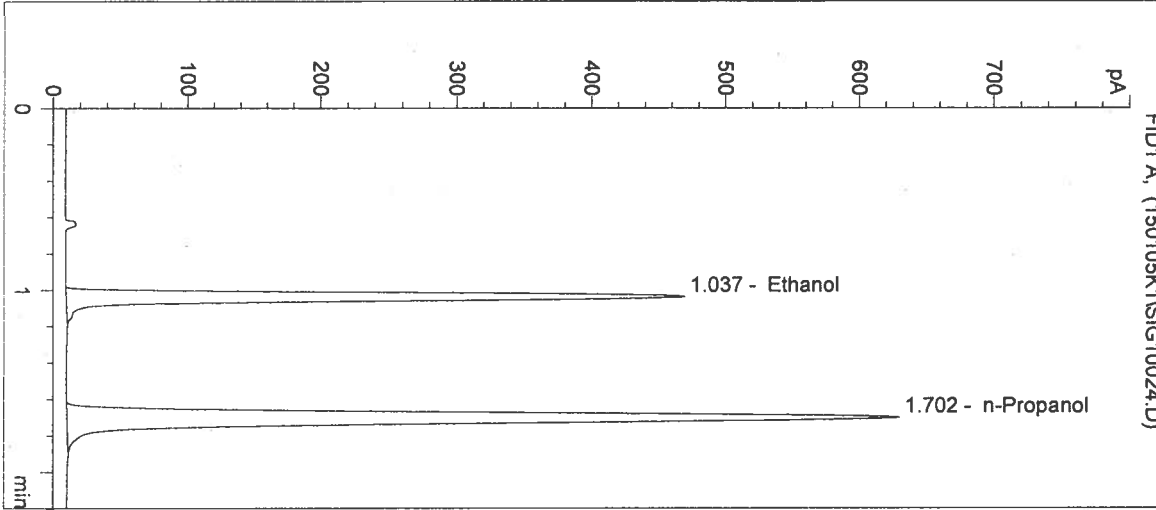
Operator: Katie Harris

Column: DB-ALC1

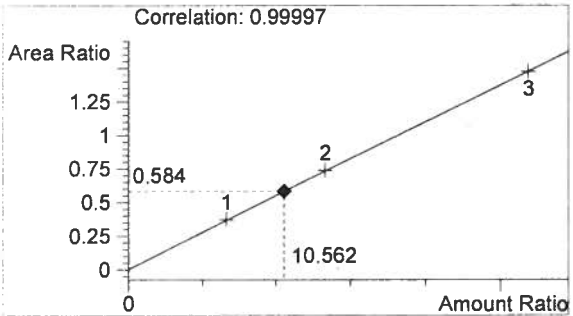
Location: Vial 24

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

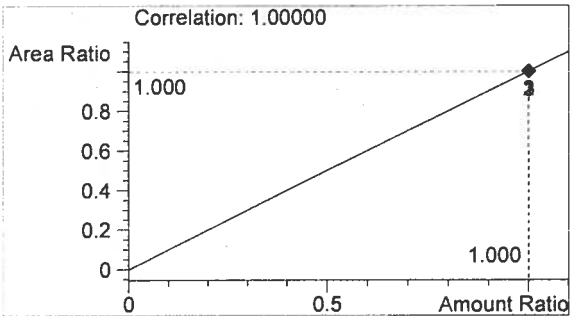
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1421	1.037
2	n-Propanol	2432	1.702



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*KH*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/5/2015 3:11:08 PM

Sample Name: 14071-2

Instrument: HSGC#1

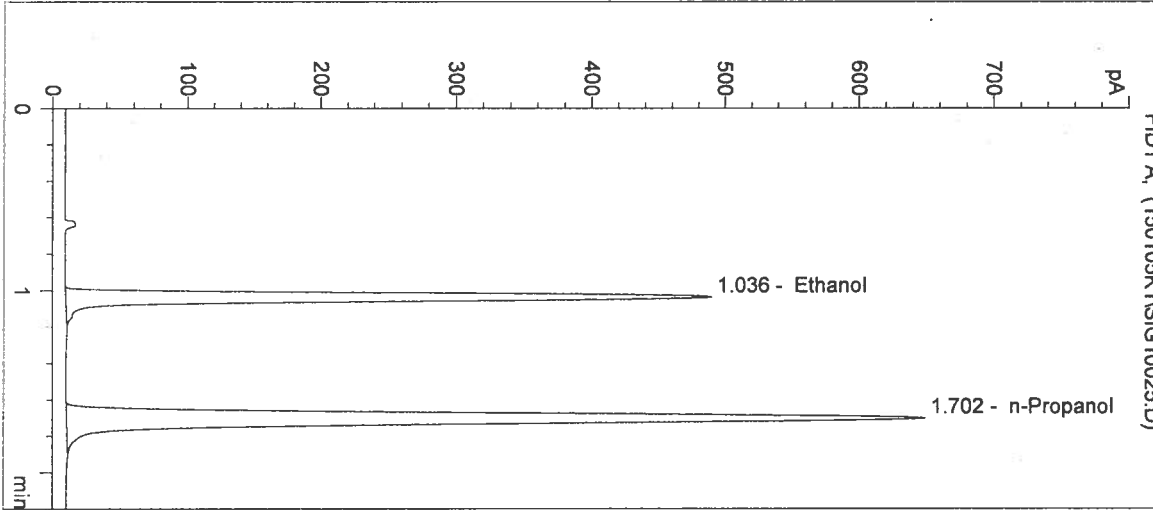
Operator: Katie Harris

Column: DB-ALC1

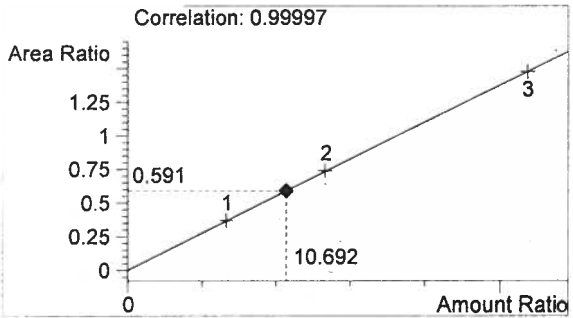
Location: Vial 25

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

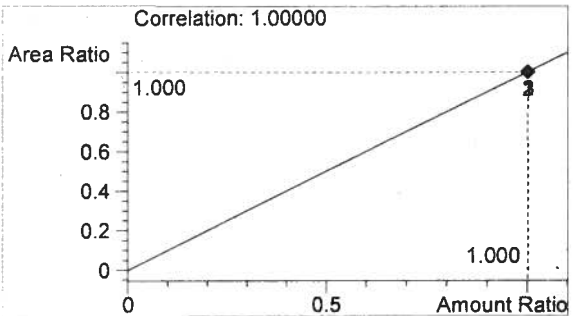
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1483	1.036
2	n-Propanol	2509	1.702



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*for*

*KH*



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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/5/2015 3:14:22 PM

Sample Name: 14071-3

Instrument: HSGC#1

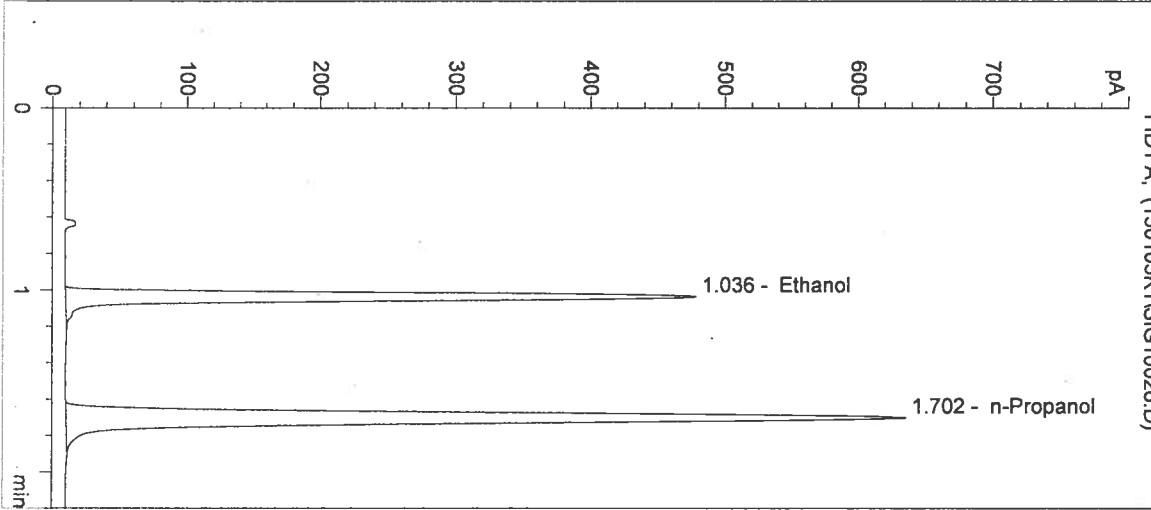
Operator: Katie Harris

Column: DB-ALC1

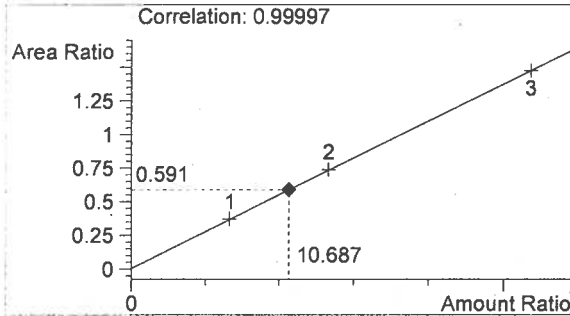
Location: Vial 26

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

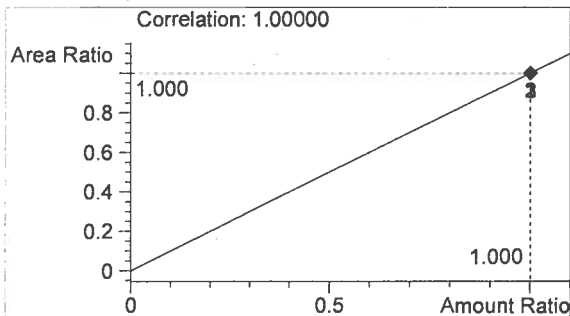
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1453	1.036
2	n-Propanol	2459	1.702



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*KH*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/5/2015 3:17:35 PM

Sample Name: 14071-4

Instrument: HSGC#1

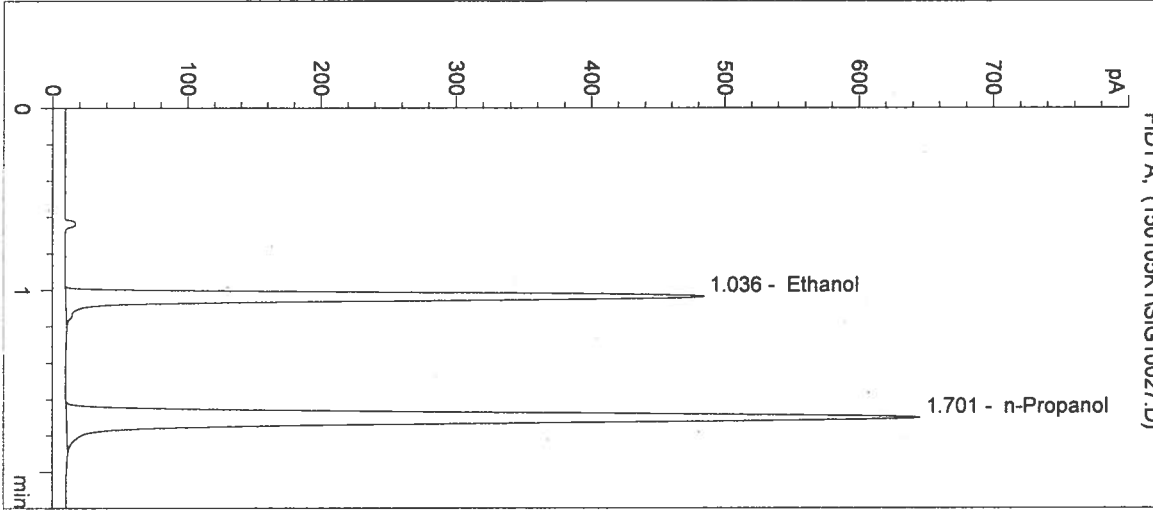
Operator: Katie Harris

Column: DB-ALC1

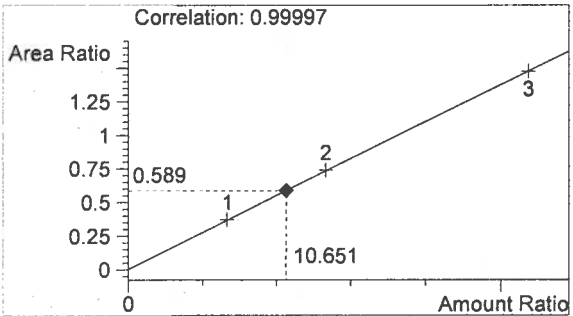
Location: Vial 27

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

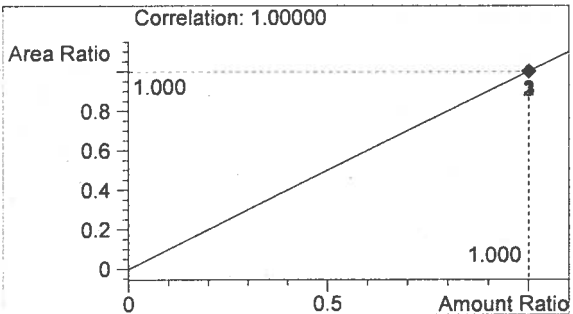
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1468	1.036
2	n-Propanol	2492	1.701



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*h*

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/5/2015 3:20:48 PM

Sample Name: 14071-5

Instrument: HSGC#1

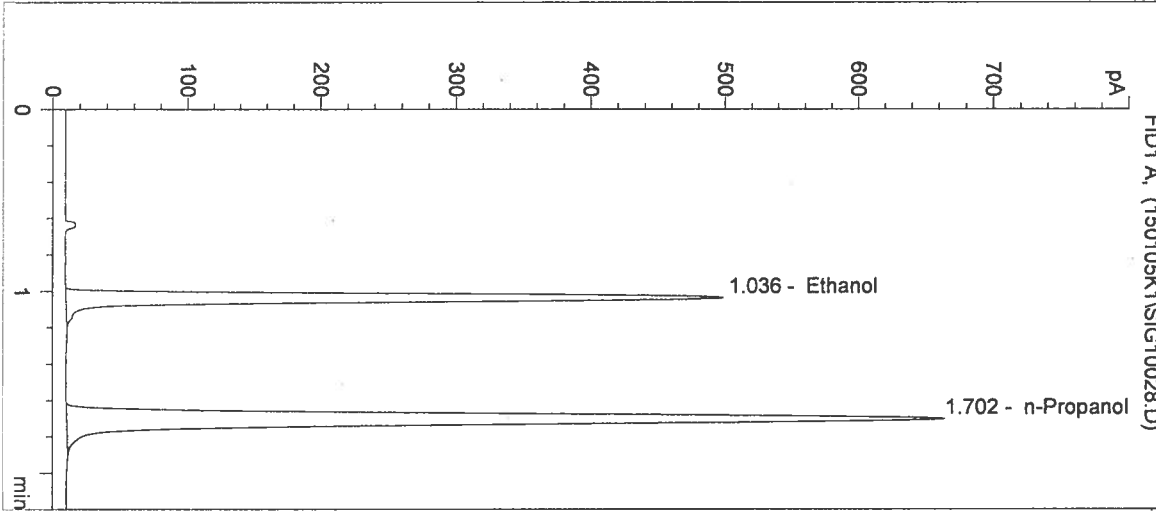
Operator: Katie Harris

Column: DB-ALC1

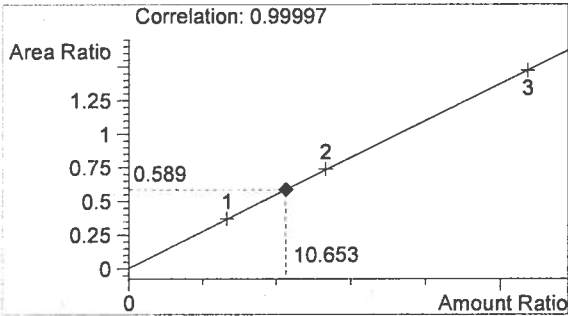
Location: Vial 28

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

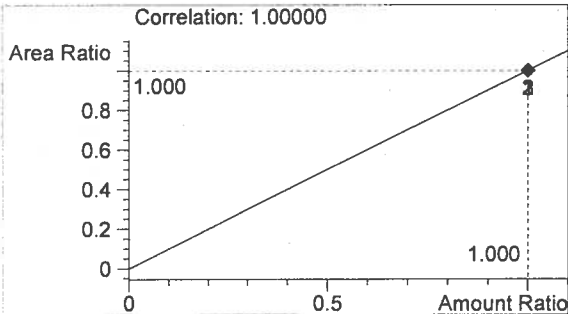
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1512	1.036
2	n-Propanol	2567	1.702



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

*fr*

KH

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/5/2015 3:24:02 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

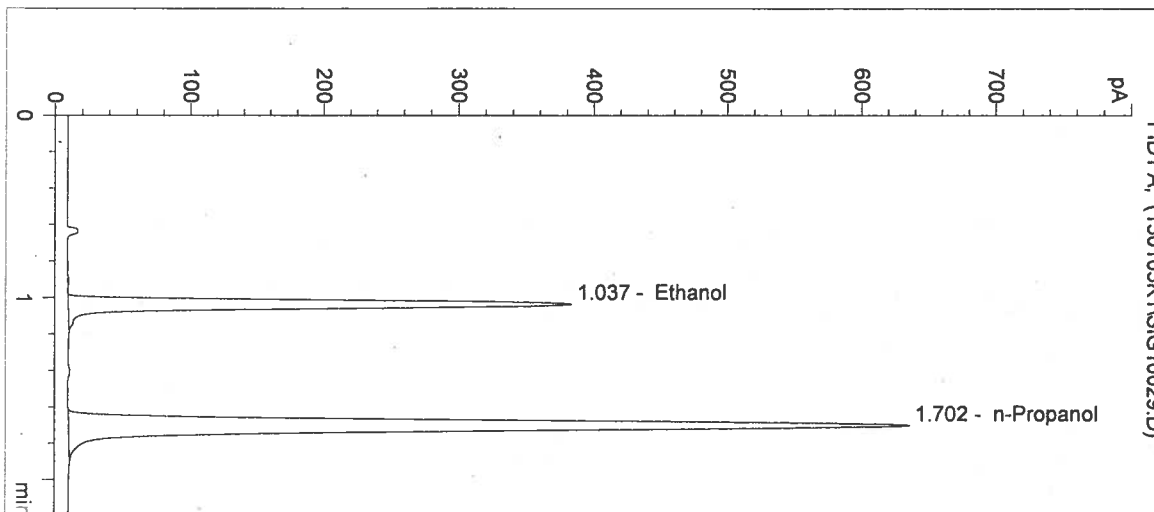
Operator: Katie Harris

Column: DB-ALC1

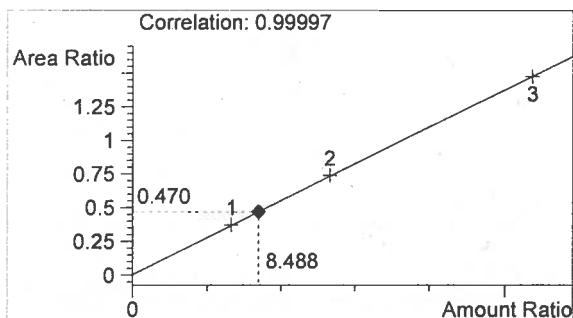
Location: Vial 29

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

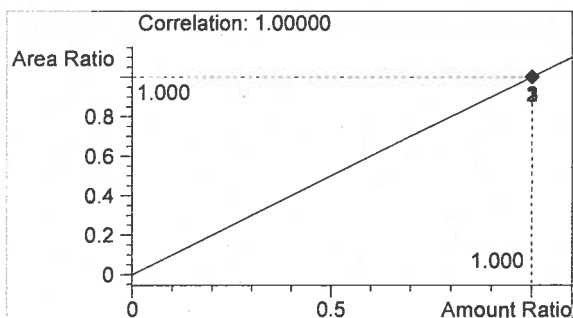
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	1152	1.037
2	n-Propanol	2450	1.702



Ethanol 0.102 g/100mL



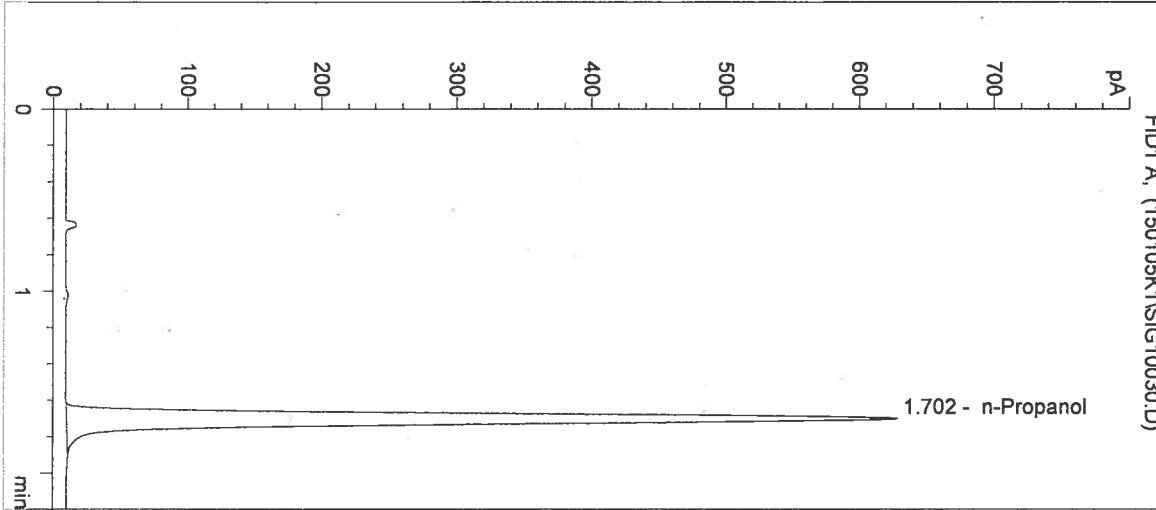
n-Propanol 0.012 g/100mL

*Handwritten signature*

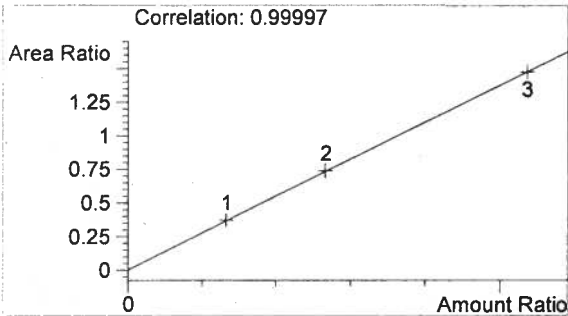
KH

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2203 Airport Way S Seattle, WA 98134

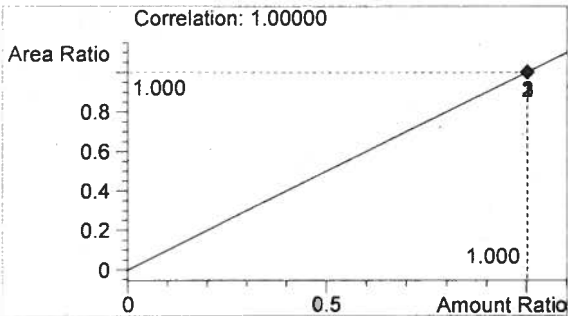
Inj. Date: 1/5/2015 3:27:15 PM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Katie Harris  
Column: DB-ALC1      Location: Vial 30  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2428	1.702



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten signature*

KH

Sequence Parameters:

Operator: Andrew Gingras  
 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: 150106A2  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0814-01 - EXP 2/19/2014  
 CAL 2 (0.158g/100mL) - LOT# E0814-02 - EXP 2/19/2014  
 CAL 3 (0.316g/100mL) - LOT# E0814-03 - EXP 2/19/2014  
 n-Propanol ISTD - LOT# P1114 - 2/20/2015  
 CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018  
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018  
 CTRL 3 (0.20g/100mL) - LOT# FN03211401 - EXP 6/2019

*2015*  
*JG*  
*1/6/15*

Calibrators and controls filed with 14069.

*vials 1-9*  
*JG 1/6/15*

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	QAP 14069 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 14069 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 14069 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 14069 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 14069 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 14070 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 14070 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 14070 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 14070 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 14070 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	QAP 14071 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 14071 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 14071 #3	SIMALC1	1	Sample		

14071

*JG 1/17/15*

*JG*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP 14071 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 14071 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	QAP 14072 #1	SIMALC1	1	Sample		
32	Vial 32	QAP 14072 #2	SIMALC1	1	Sample		
33	Vial 33	QAP 14072 #3	SIMALC1	1	Sample		
34	Vial 34	QAP 14072 #4	SIMALC1	1	Sample		
35	Vial 35	QAP 14072 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	QAP 14073 #1	SIMALC1	1	Sample		
39	Vial 39	QAP 14073 #2	SIMALC1	1	Sample		
40	Vial 40	QAP 14073 #3	SIMALC1	1	Sample		
41	Vial 41	QAP 14073 #4	SIMALC1	1	Sample		
42	Vial 42	QAP 14073 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

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		

Sequence Table (Back Injector):

No entries - empty table!

14071

*Initials*

*AG*

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

Inj. Date: 1/6/2015 12:42:04 PM

Sample Name: QAP 14071 #1

Instrument: HSGC#1

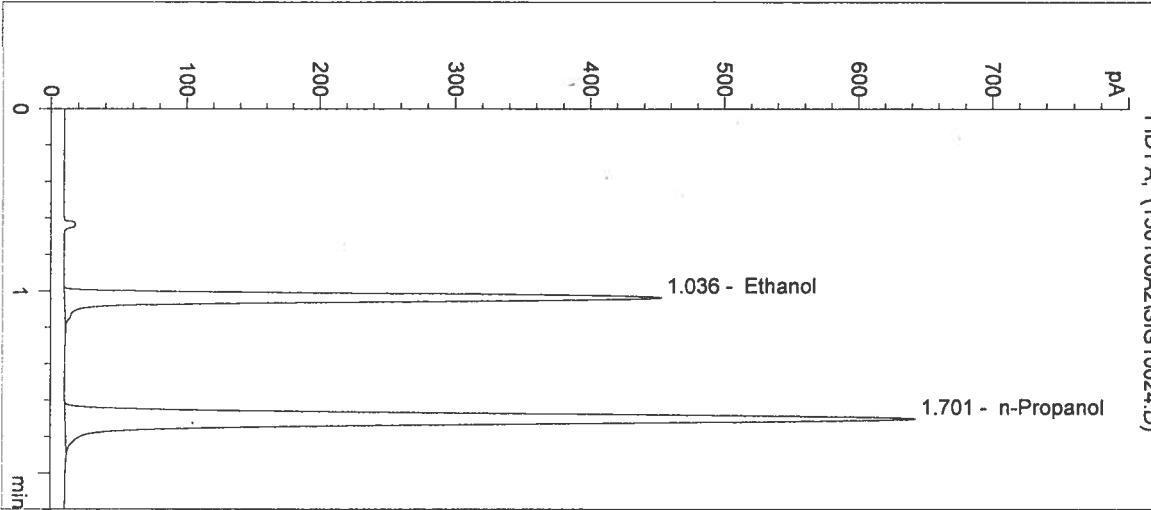
Operator: Andrew Gingras

Column: DB-ALC1

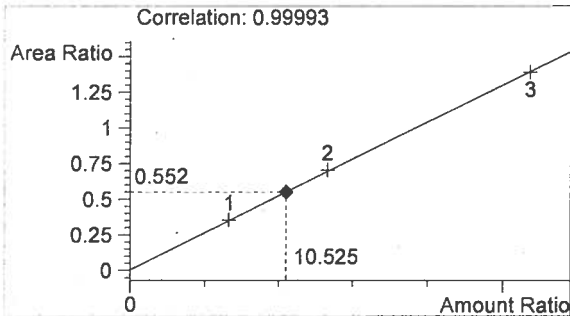
Location: Vial 24

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

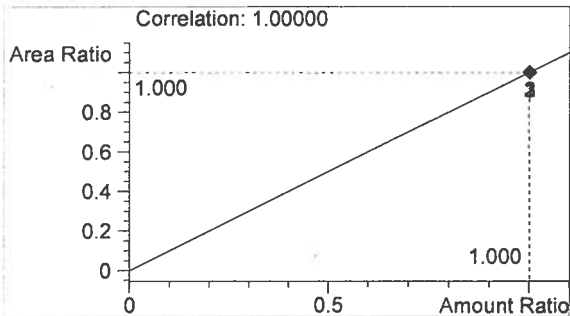
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1371	1.036
2	n-Propanol	2486	1.701



Ethanol 0.126 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: 1/6/2015 12:45:17 PM

Sample Name: QAP 14071 #2

Instrument: HSGC#1

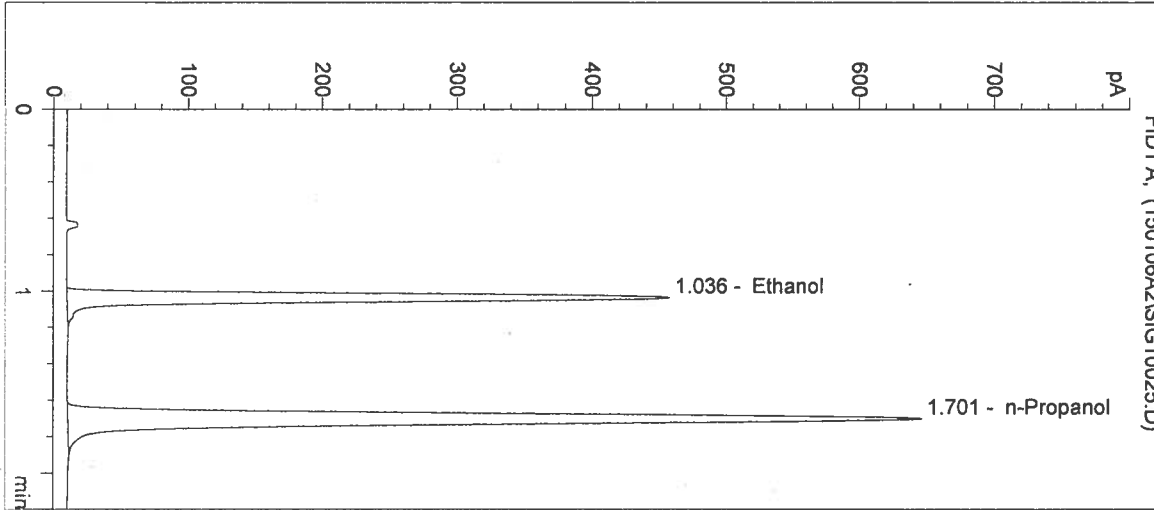
Operator: Andrew Gingras

Column: DB-ALC1

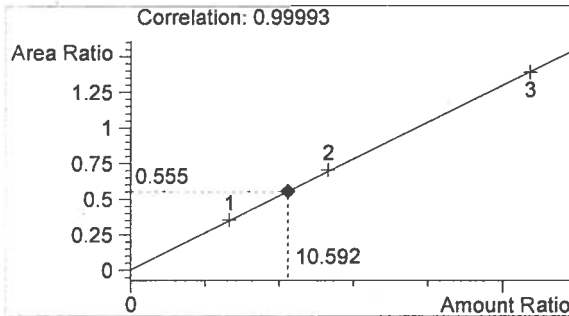
Location: Vial 25

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

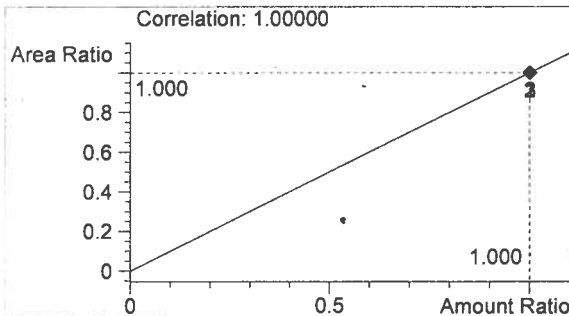
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1386	1.036
2	n-Propanol	2497	1.701



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature/initials*

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

Inj. Date: 1/6/2015 12:48:30 PM

Sample Name: QAP 14071 #3

Instrument: HSGC#1

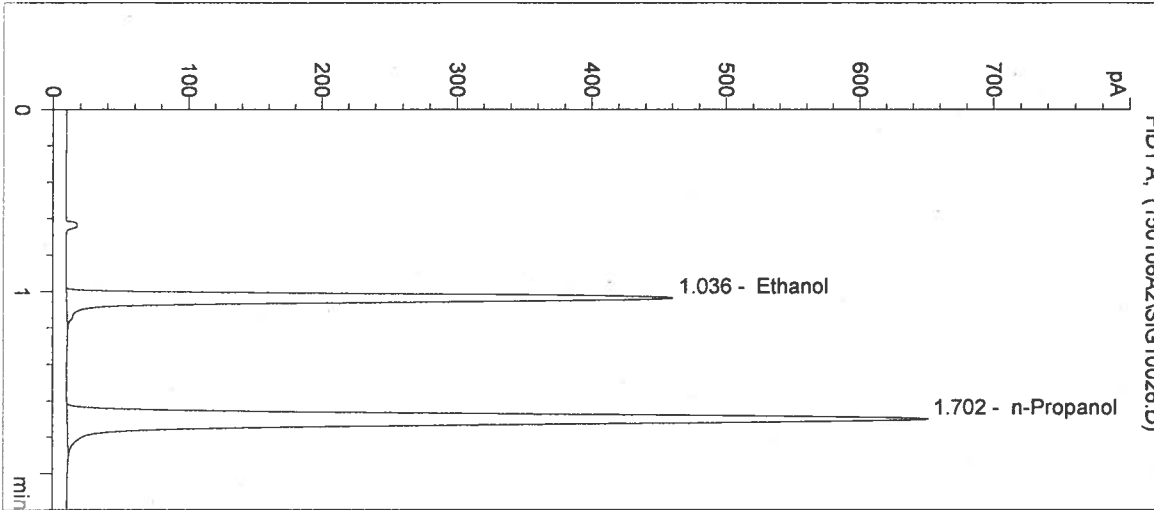
Operator: Andrew Gingras

Column: DB-ALC1

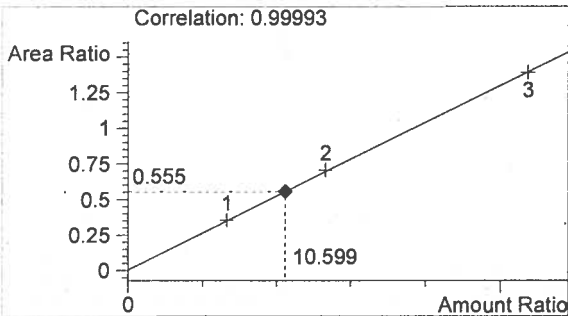
Location: Vial 26

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

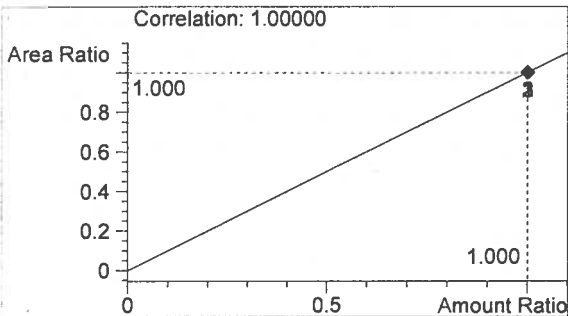
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1396	1.036
2	n-Propanol	2514	1.702



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*AG*

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

Inj. Date: 1/6/2015 12:51:44 PM

Sample Name: QAP 14071 #4

Instrument: HSGC#1

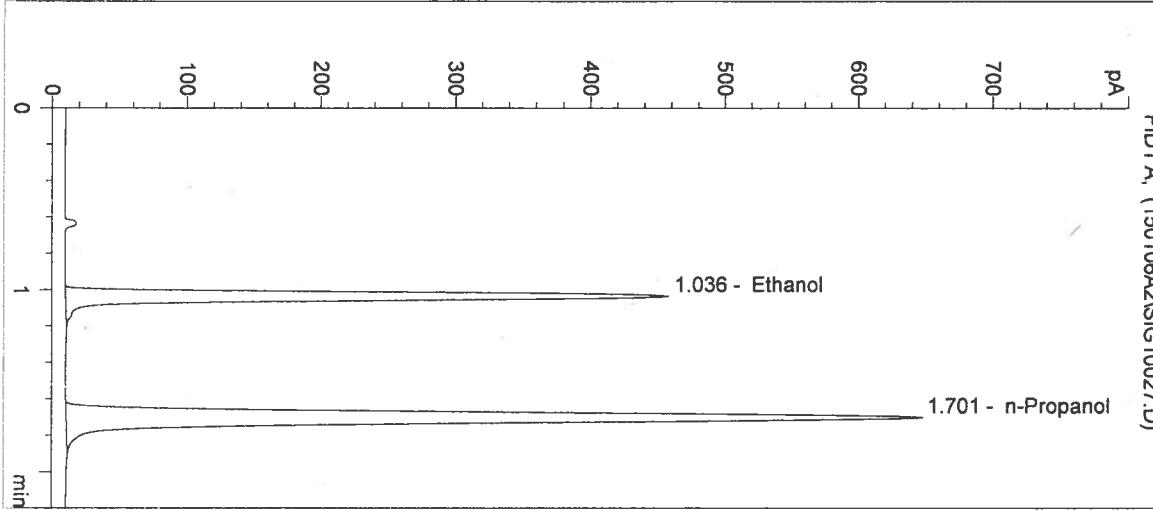
Operator: Andrew Gingras

Column: DB-ALC1

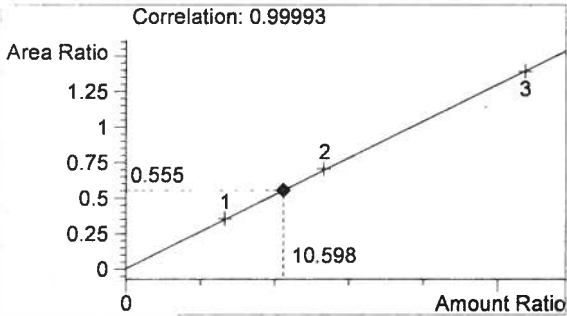
Location: Vial 27

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

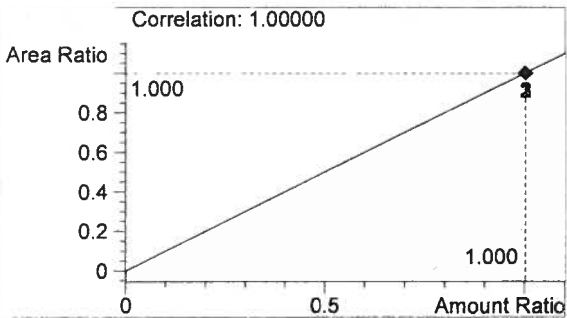
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1390	1.036
2	n-Propanol	2502	1.701



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature/initials*

Inj. Date: 1/6/2015 12:54:57 PM

Sample Name: QAP 14071 #5

Instrument: HSGC#1

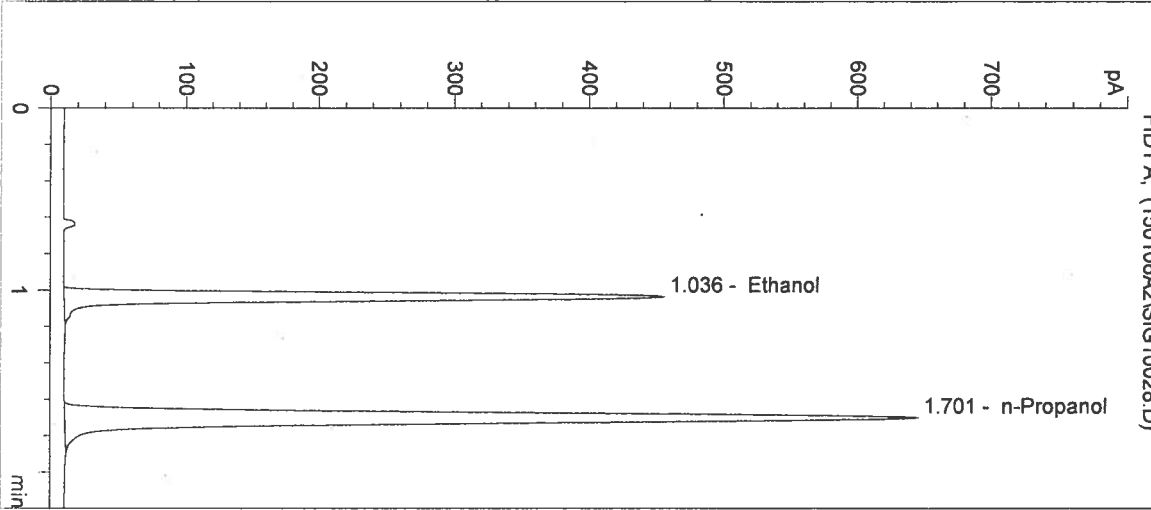
Operator: Andrew Gingras

Column: DB-ALC1

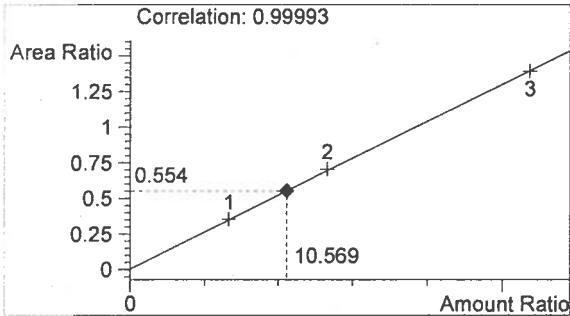
Location: Vial 28

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

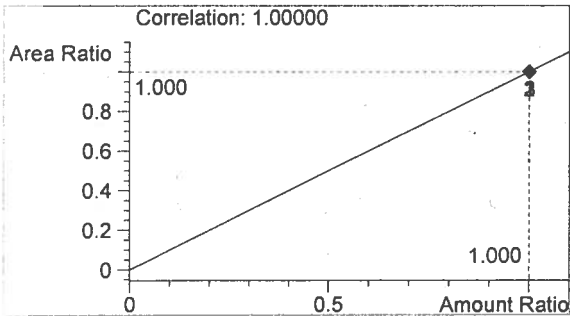
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1382	1.036
2	n-Propanol	2494	1.701



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

*fr*

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

Inj. Date: 1/6/2015 12:58:10 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

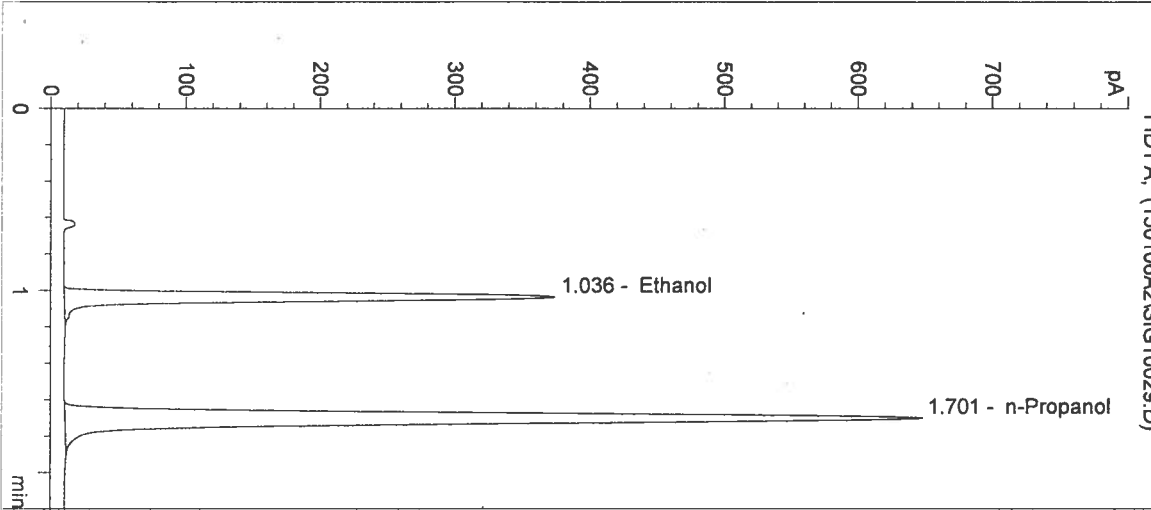
Operator: Andrew Gingras

Column: DB-ALC1

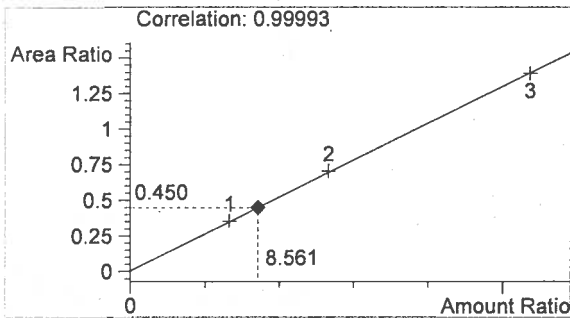
Location: Vial 29

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

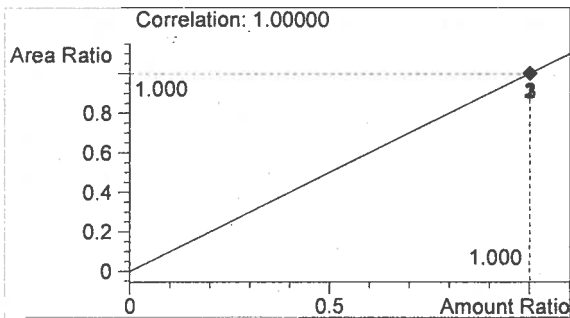
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	1129	1.036
2	n-Propanol	2510	1.701



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

Inj. Date: 1/6/2015 1:01:25 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

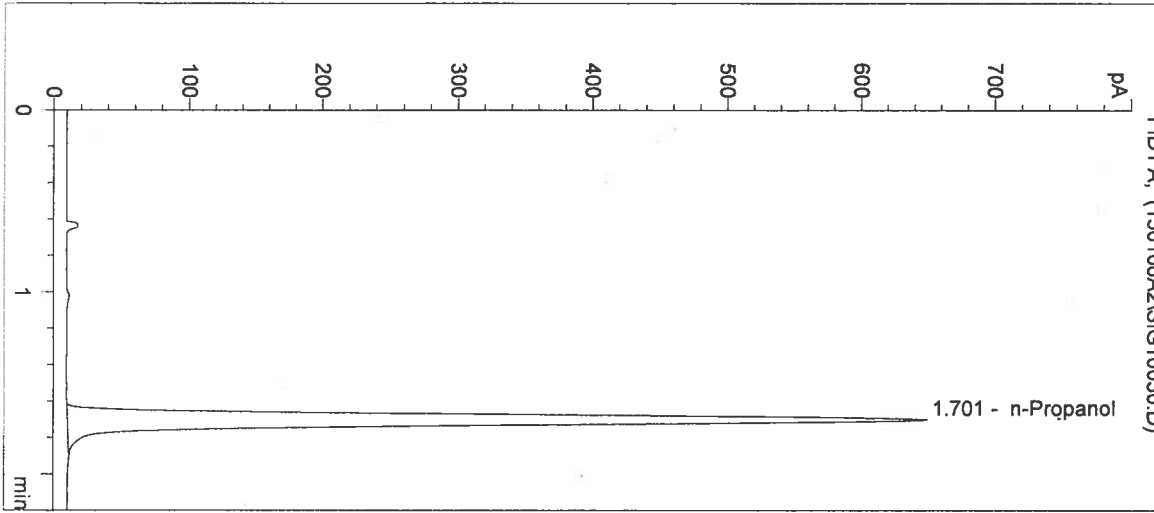
Operator: Andrew Gingras

Column: DB-ALC1

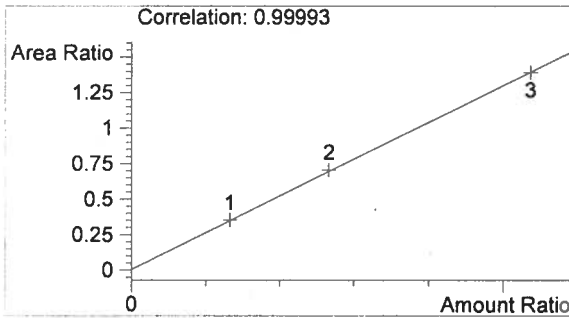
Location: Vial 30

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

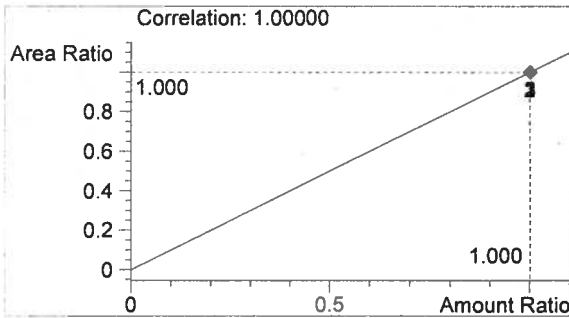
Sample Info: 14071



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2512	1.701



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*