



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 14047**

**CUSTOMER INFORMATION**

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

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

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.15 g/210L  
DATE PREPARED: 09/29/2014  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Christopher S. Johnston

	CSJ	JLK	AG
1	0.188	0.188	0.188
2	0.192	0.189	0.188
3	0.189	0.188	0.188
4	0.190	0.189	0.188
5	0.192	0.188	0.189
C	0.102	0.102	0.102

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**




AVERAGE SOLUTION CONCENTRATION: 0.1889 g/100mL PRECISION CV (%): 0.73  
STANDARD DEVIATION: 0.00139 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1536 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0032 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

11/4/14  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
CSJ	Christopher S. Johnston		09/29/2014
JLK	Justin L. Knoy		10/09/2014
AG	Andrew Gingras		10/09/2014

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

QAP Solution Batch #: 14047

Date Prepared: 9/29/2014

Analyst:	CSJ	JLK	AG
Date Tested:	9/29/2014	10/9/2014	10/9/2014
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.188	0.188	0.188
2	0.192	0.189	0.188
3	0.189	0.188	0.188
4	0.190	0.189	0.188
5	0.192	0.188	0.189
C	0.102	0.102	0.102

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000035930	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.1889 g/100mL  
Standard Deviation: 0.00139 g/100mL  
Precision CV (%): 0.73  
Equivalent Vapor Concentration: 0.1536 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0016 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0032 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 10/27/14  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 11-4-2014 Method: Hand calculation  
Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 10/27/14  
Name Signature Date

fr

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda H. Black Date: 11-4-2014

Location: WSP-FLSB Seattle, WA Solution Batch Number: 14047

	YES	NO	N/A
Analysis dates do not precede preparation date:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Declarations signed and properly dated:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All signatures present on Test Report:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Average solution concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CV (%) correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All chromatograms and sequences included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethanol control information present: (lot # present & used within expiration)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Reviewer Signature: 

Date: 11-4-2014

Reviewer Signature: N/A OB 11-4-14

Date: \_\_\_\_\_



Washington State Patrol Toxicology Laboratory Division

**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	<i>AG</i>	<i>11/3/14</i>
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston	<i>CJ</i>	<i>10/27/14</i>
Dawn Sklerov		
Justin Knoy	<i>JK</i>	<i>10.31.14</i>
Katie Knorr		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # *14047 for 10/27/14*

*f*

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14047**


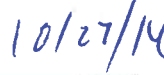
I, Christopher S. Johnston, do certify under penalty of perjury that:

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 Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 14047, was prepared in the Washington State Toxicology Laboratory on 9/29/2014. 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 9/29/2015.

Seattle, WA

   
\_\_\_\_\_  
Christopher S. Johnston                      Date  
Forensic Toxicologist



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14047**

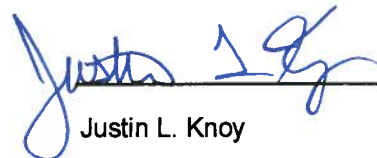
I, Justin L. Knoy, do certify under penalty of perjury that:

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 14047, was prepared in the Washington State Toxicology Laboratory on 9/29/2014. 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 9/29/2015.

Seattle, WA

 10-31-14  
Justin L. Knoy Date  
Forensic Toxicologist



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14047**

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 14047, was prepared in the Washington State Toxicology Laboratory on 9/29/2014. 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 9/29/2015.

Seattle, WA

 11/3/14

Andrew Gingras

Date

Forensic Toxicologist



**FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET**Preparation Date: 9/29/2014 Initials of Preparer: CJExpiration Date: 9/29/2015Lot # of 200-proof Ethanol used in preparation: ZCK0002Date the 200-proof Ethanol bottle was opened: 8-29-14

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.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>14044</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>14045</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>14046</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>14047</u>
QAP 0.20	56.1	18	<input type="checkbox"/>	
ESS	66.5	52	<input type="checkbox"/>	
		Stir bar is rotating	<input checked="" type="checkbox"/>	
		Stirred for minimum 30 minutes; 2 hours for ESS	<input checked="" type="checkbox"/>	
		Spigot purged	<input checked="" type="checkbox"/>	
		Aliquot taken	<input checked="" type="checkbox"/>	
		Batch labeled, packaged and sealed	<input checked="" type="checkbox"/>	<u>9/29/14</u> 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: QAP 0.15 Ethanol 200-proof opened 9/29/2014 SAME LOT # 14046 Did not meet criteria and was not packaged 9/10/14

*CJ*  
Analyst Signature

9/29/14  
Date



Sequence Parameters:

Operator: Chris Johnston  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 140929CJ  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Cal 1 (0.079 g/100mL) - Lot#E0814-01 - Exp 2/19/15  
 Cal 2 (0.158 g/100mL) - Lot#E0814-02 - Exp 2/19/15  
 Cal 3 (0.316 g/100mL) - Lot#E0814-03 - Exp 2/19/15  
  
 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# P0814 - Exp 10/30/14

*Calibration vials 1-9 filed with 14044.  
 In 10/27/14*

~~14044~~ In 10/13/14  
~~14045~~ In 10/13/14  
~~14048~~ In 10/13/14

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	Neg Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	14044-1	SIMALC3	1	Sample		
11	Vial 11	14044-2	SIMALC3	1	Sample		
12	Vial 12	14044-3	SIMALC3	1	Sample		
13	Vial 13	14044-4	SIMALC3	1	Sample		
14	Vial 14	14044-5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	14045-1	SIMALC3	1	Sample		
18	Vial 18	14045-2	SIMALC3	1	Sample		
19	Vial 19	14045-3	SIMALC3	1	Sample		
20	Vial 20	14045-4	SIMALC3	1	Sample		
21	Vial 21	14045-5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	14046-1	SIMALC3	1	Sample		
25	Vial 25	14046-2	SIMALC3	1	Sample		
26	Vial 26	14046-3	SIMALC3	1	Sample		

14047

*Stamped  
 10/3/14  
 In 10/13/14*

*h*

*d*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14046-4	SIMALC3	1	Sample		
28	Vial 28	14046-5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	14047-1	SIMALC3	1	Sample		
32	Vial 32	14047-2	SIMALC3	1	Sample		
33	Vial 33	14047-3	SIMALC3	1	Sample		
34	Vial 34	14047-4	SIMALC3	1	Sample		
35	Vial 35	14047-5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

~~14044~~ In 10/13/14

~~14045~~ In 10/13/14

~~14046~~ In 10/13/14

14047

Stamped 10/3/14

In 10/13/14

*h*

*W*

Inj. Date: 9/29/2014 4:14:54 PM

Sample Name: 14047-1

Instrument: HSGC#3

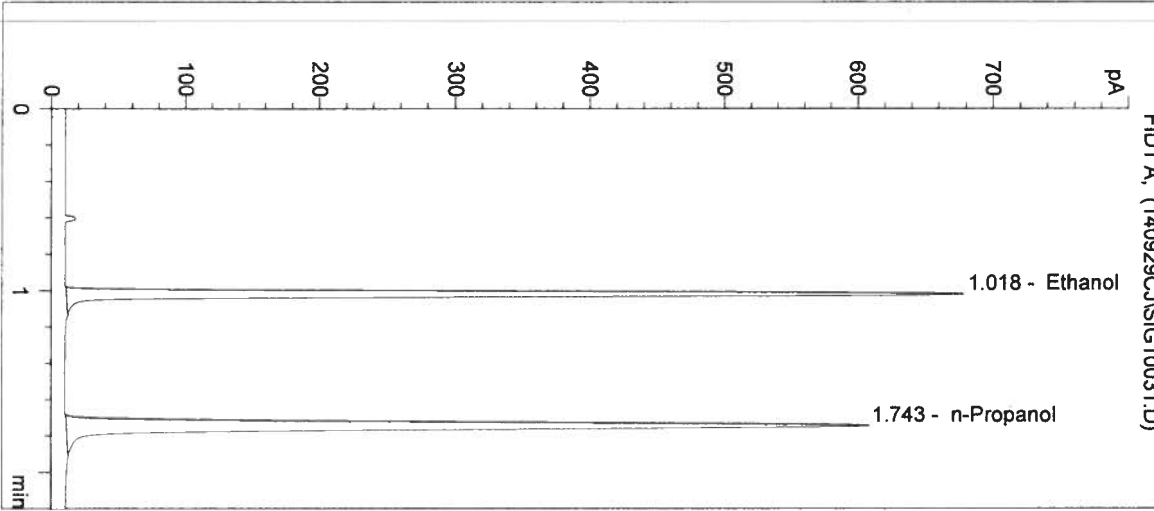
Operator: Chris Johnston

Column: DB-ALC2

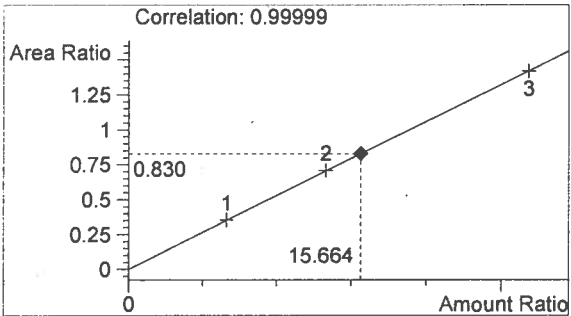
Location: Vial 31

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

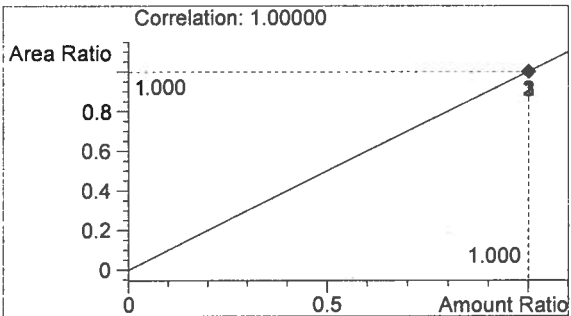
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1328	1.018
2	n-Propanol	1601	1.743



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

*h*

*u*

Inj. Date: 9/29/2014 4:18:07 PM

Sample Name: 14047-2

Instrument: HSGC#3

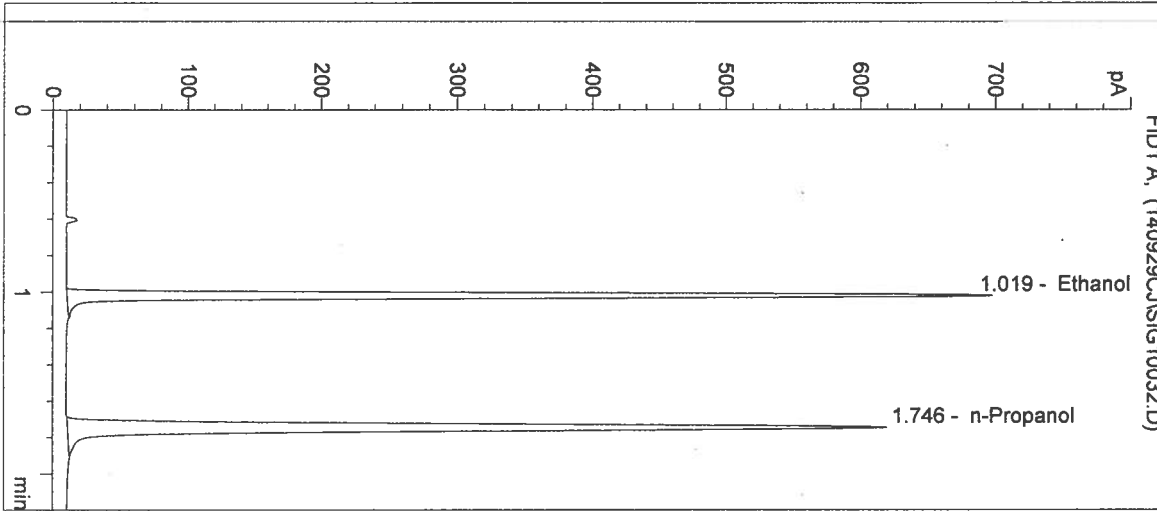
Operator: Chris Johnston

Column: DB-ALC2

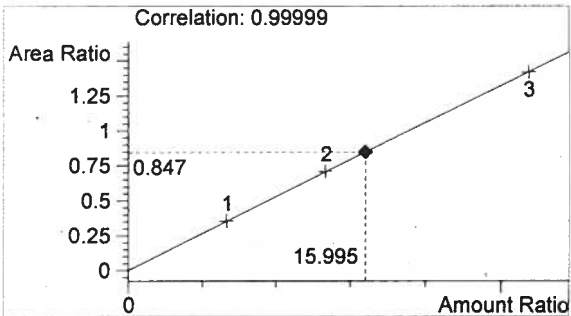
Location: Vial 32

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

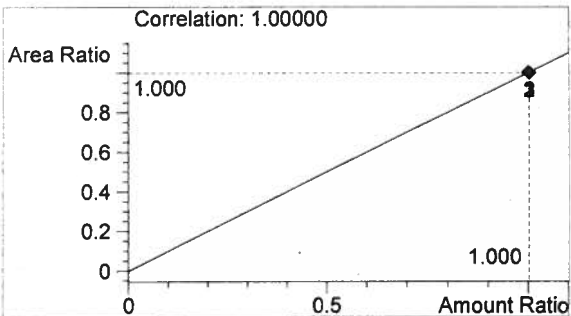
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1384	1.019
2	n-Propanol	1633	1.746



Ethanol 0.192 g/100mL



n-Propanol 0.012 g/100mL

*lu*

*W*

Inj. Date: 9/29/2014 4:21:21 PM

Sample Name: 14047-3

Instrument: HSGC#3

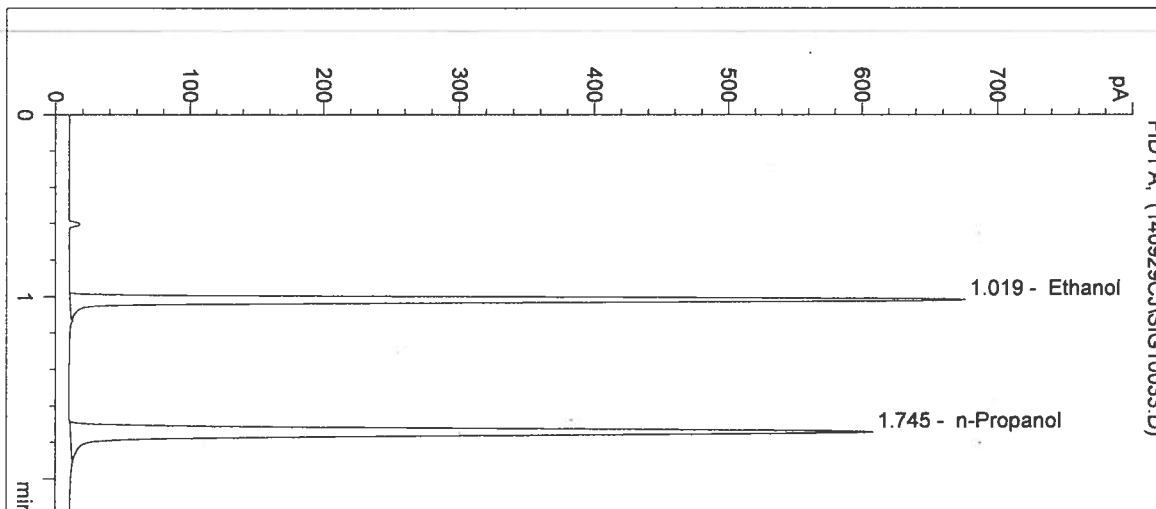
Operator: Chris Johnston

Column: DB-ALC2

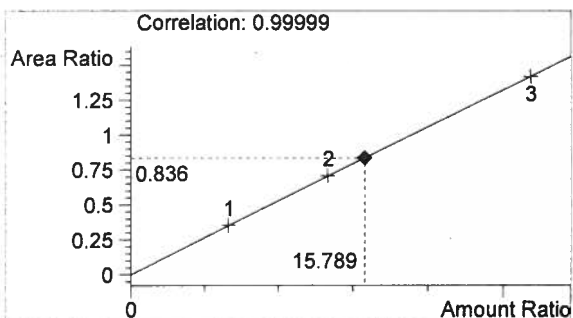
Location: Vial 33

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

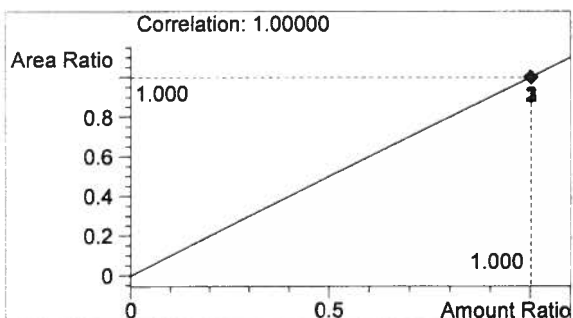
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1339	1.019
2	n-Propanol	1601	1.745



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 9/29/2014 4:24:34 PM

Sample Name: 14047-4

Instrument: HSGC#3

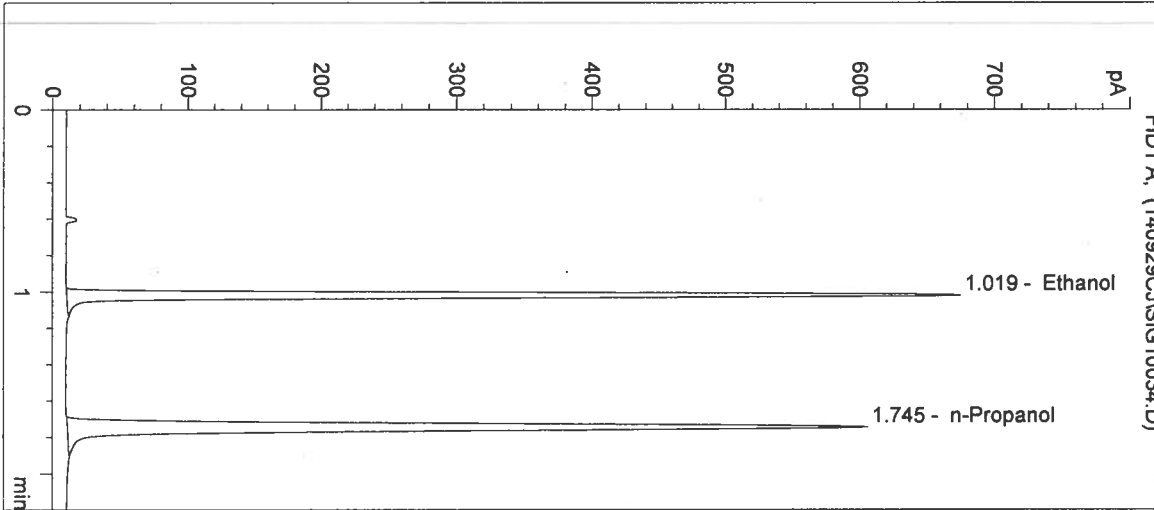
Operator: Chris Johnston

Column: DB-ALC2

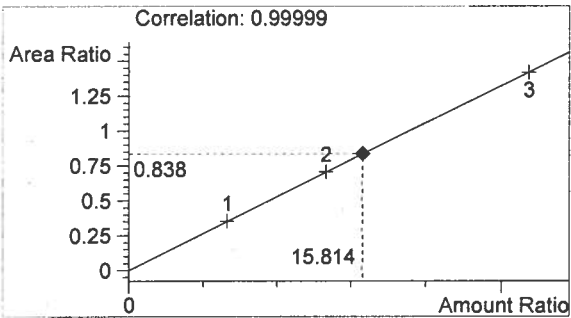
Location: Vial 34

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

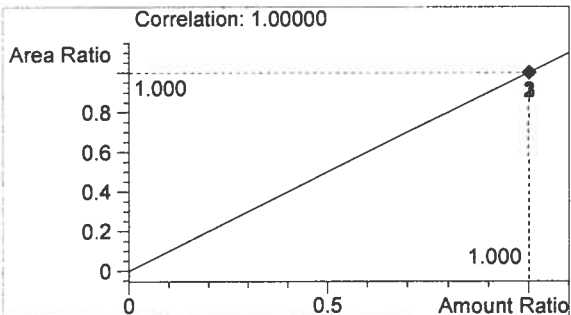
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1335	1.019
2	n-Propanol	1594	1.745



Ethanol 0.190 g/100mL



n-Propanol 0.012 g/100mL

*h*

*u*

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

Inj. Date: 9/29/2014 4:27:48 PM

Sample Name: 14047-5

Instrument: HSGC#3

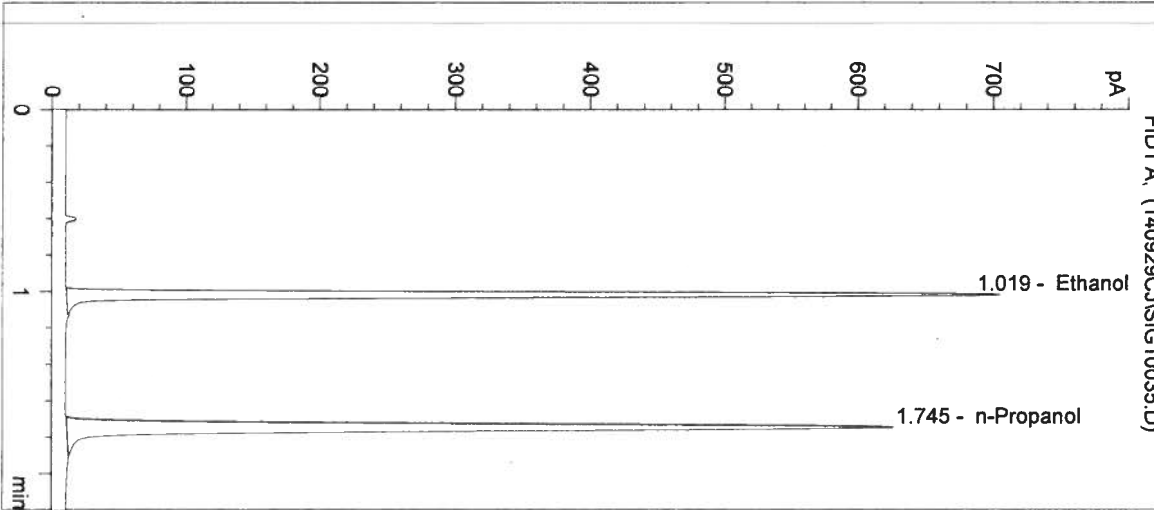
Operator: Chris Johnston

Column: DB-ALC2

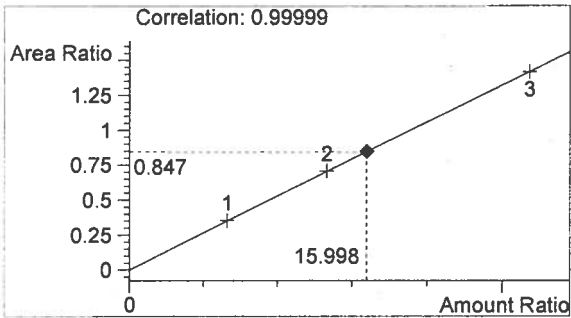
Location: Vial 35

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

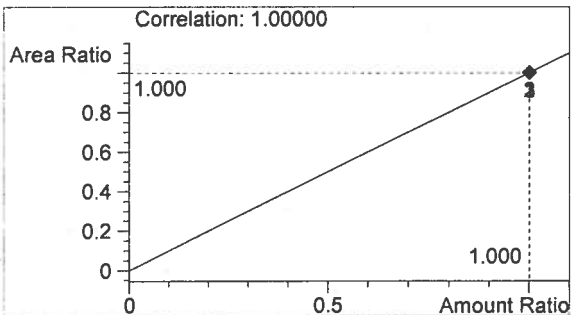
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1396	1.019
2	n-Propanol	1647	1.745



Ethanol 0.192 g/100mL

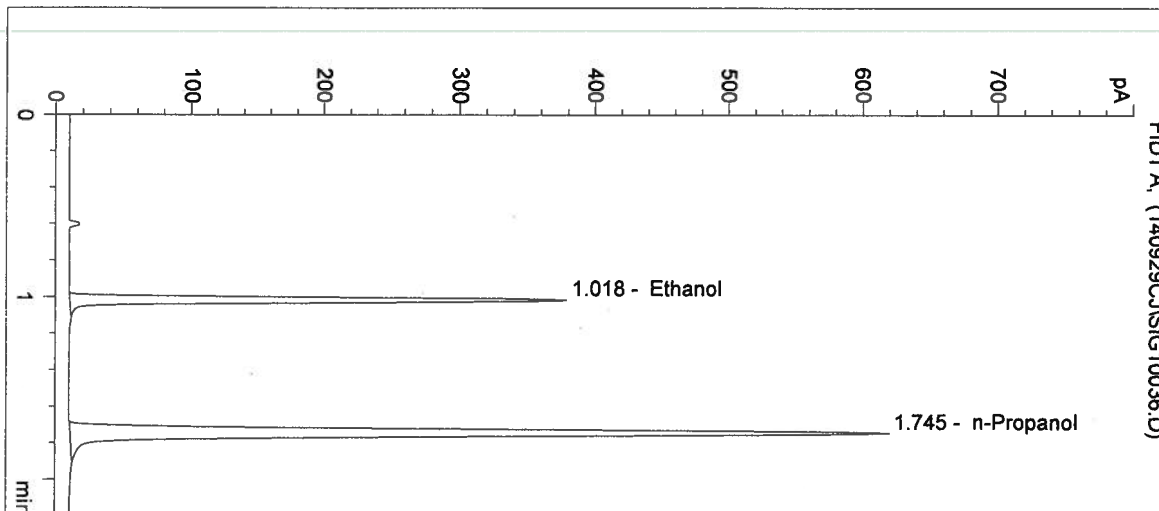


n-Propanol 0.012 g/100mL

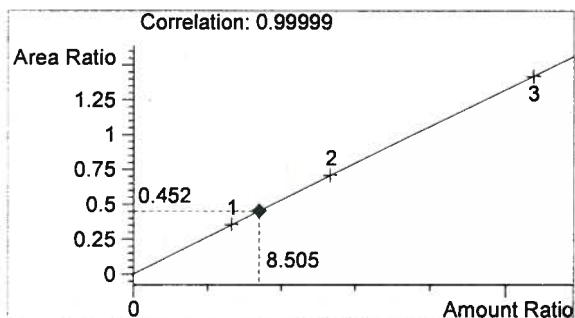
*Handwritten mark*

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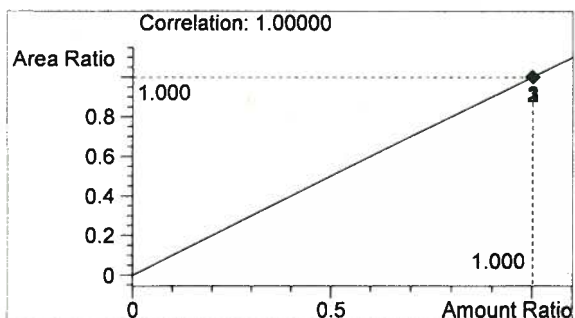
Inj. Date: 9/29/2014 4:31:01 PM      Sample Name: 0.10 Control  
 Instrument: HSGC#3      Operator: Chris Johnston  
 Column: DB-ALC2      Location: Vial 36  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	738	1.018
2	n-Propanol	1634	1.745



Ethanol      0.102 g/100mL



n-Propanol      0.012 g/100mL

14047  
*analytically*

*2*

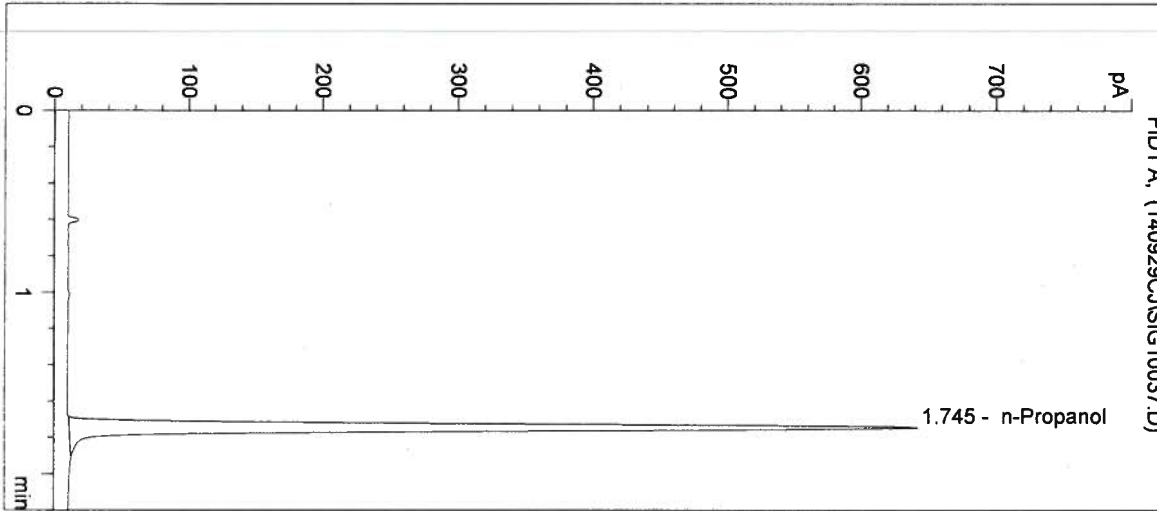
*W*



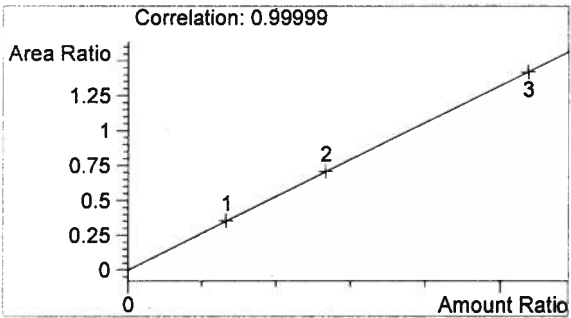
Inj. Date: 9/29/2014 4:34:16 PM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M

Sample Name: Neg Control  
 Operator: Chris Johnston  
 Location: Vial 37

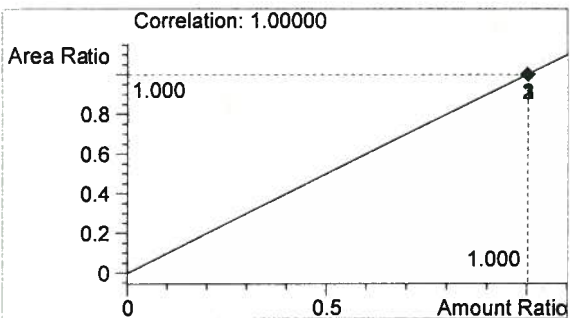
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1695	1.745



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14047

*fridolm*

*fr*

*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\2\DATA\  
 Data Subdirectory: 141009JK  
 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#P0914 - Exp. 12/29/14

*Calibration vials 1-9 filed with 14044. In 10/27/14*

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	14044-1	SIMALC3	1	Sample		
11	Vial 11	14044-2	SIMALC3	1	Sample		
12	Vial 12	14044-3	SIMALC3	1	Sample		
13	Vial 13	14044-4	SIMALC3	1	Sample		
14	Vial 14	14044-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	14045-1	SIMALC3	1	Sample		
18	Vial 18	14045-2	SIMALC3	1	Sample		
19	Vial 19	14045-3	SIMALC3	1	Sample		
20	Vial 20	14045-4	SIMALC3	1	Sample		
21	Vial 21	14045-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	14053-1	SIMALC3	1	Sample		
25	Vial 25	14053-2	SIMALC3	1	Sample		
26	Vial 26	14053-3	SIMALC3	1	Sample		
27	Vial 27	14053-4	SIMALC3	1	Sample		

*14047  
In 10/27/14*

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
28	Vial 28	14053-5	SIMALC3	1	Sample		
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	14047-1	SIMALC3	1	Sample		
32	Vial 32	14047-2	SIMALC3	1	Sample		
33	Vial 33	14047-3	SIMALC3	1	Sample		
34	Vial 34	14047-4	SIMALC3	1	Sample		
35	Vial 35	14047-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

14047

*Initial*

*2*

*1*

Inj. Date: 10/9/2014 1:22:17 PM

Sample Name: 14047-1

Instrument: HSGC#3

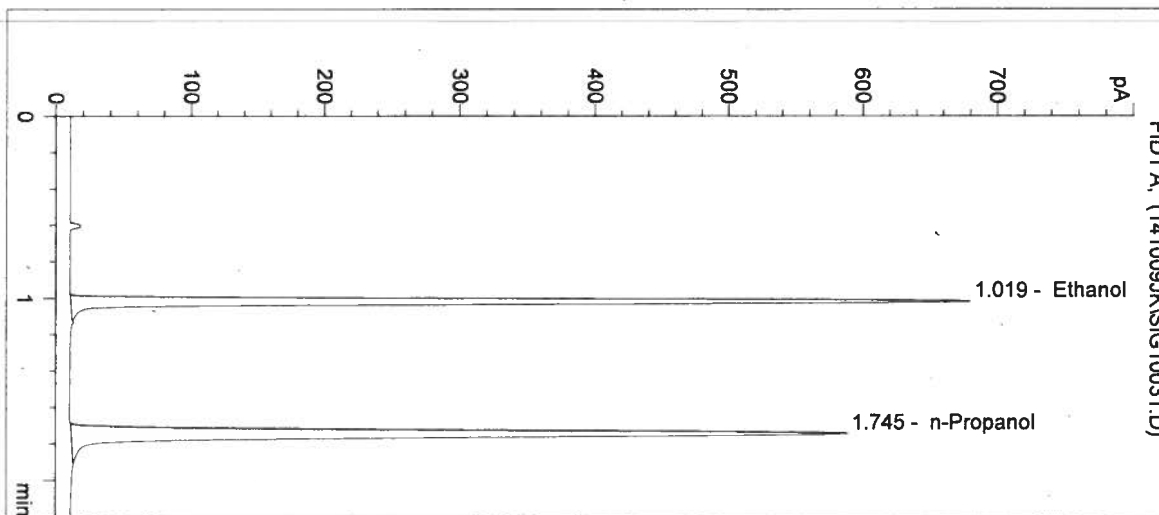
Operator: Justin Knoy

Column: DB-ALC2

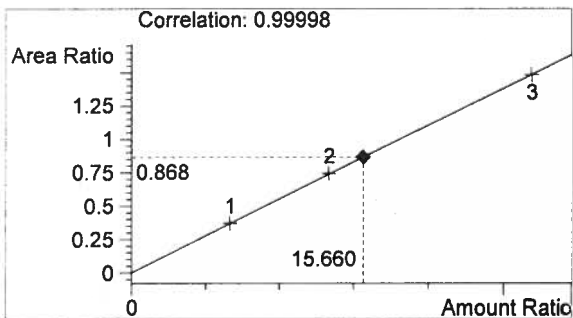
Location: Vial 31

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

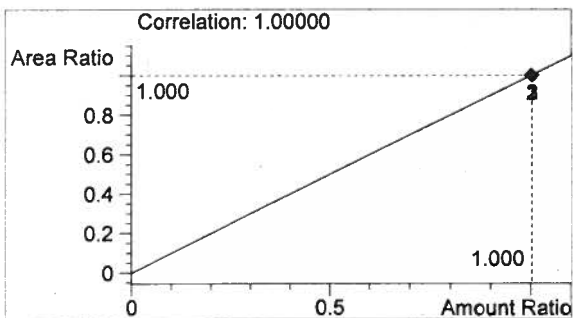
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1343	1.019
2	n-Propanol	1547	1.745



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/9/2014 1:25:30 PM

Sample Name: 14047-2

Instrument: HSGC#3

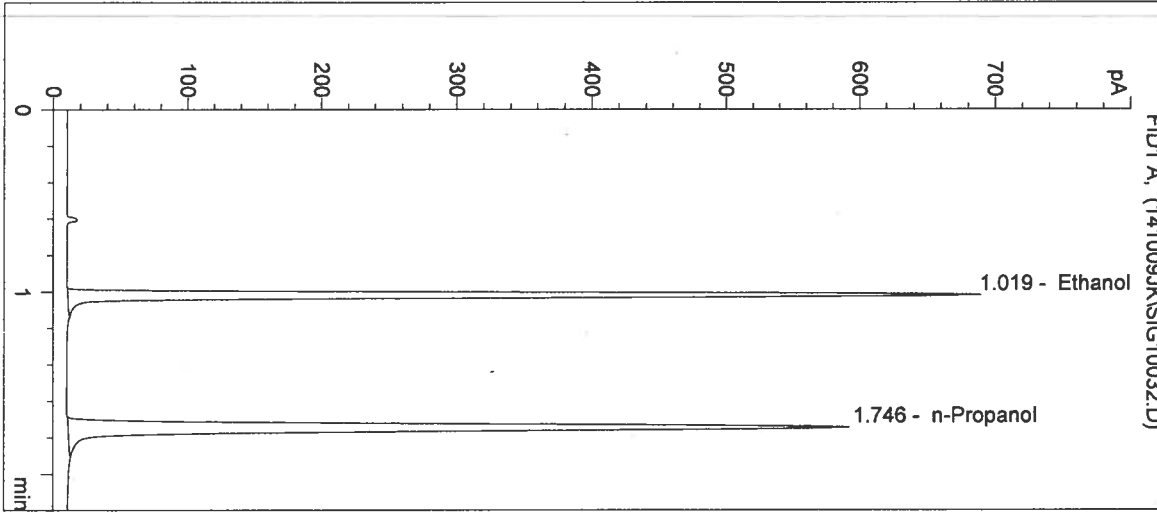
Operator: Justin Knoy

Column: DB-ALC2

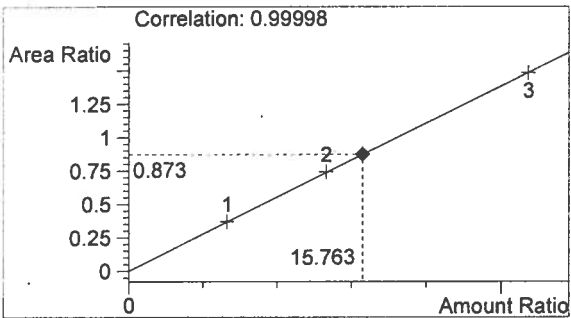
Location: Vial 32

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

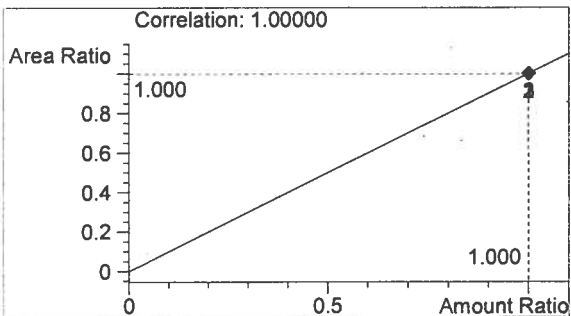
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1356	1.019
2	n-Propanol	1553	1.746



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/9/2014 1:28:44 PM

Sample Name: 14047-3

Instrument: HSGC#3

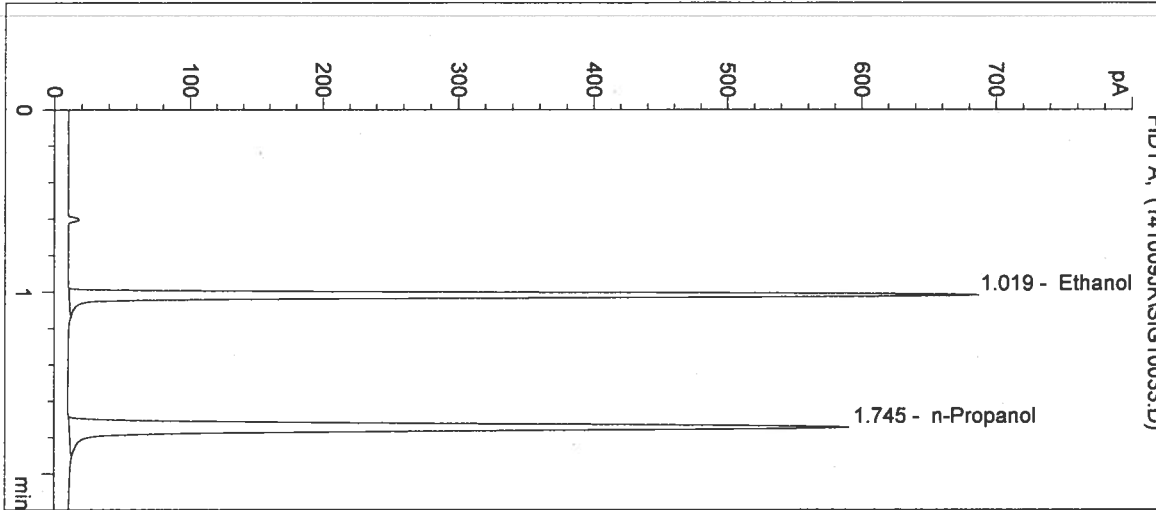
Operator: Justin Knoy

Column: DB-ALC2

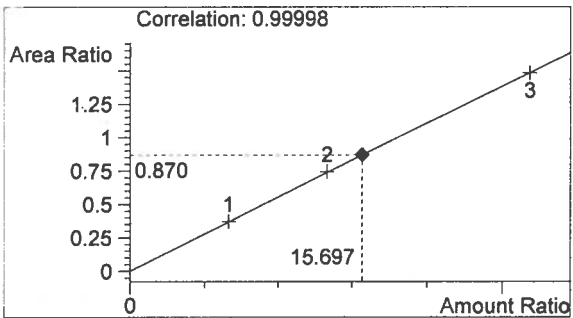
Location: Vial 33

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

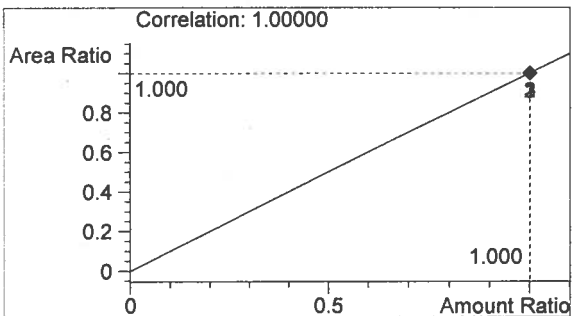
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1349	1.019
2	n-Propanol	1551	1.745



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/9/2014 1:31:57 PM

Sample Name: 14047-4

Instrument: HSGC#3

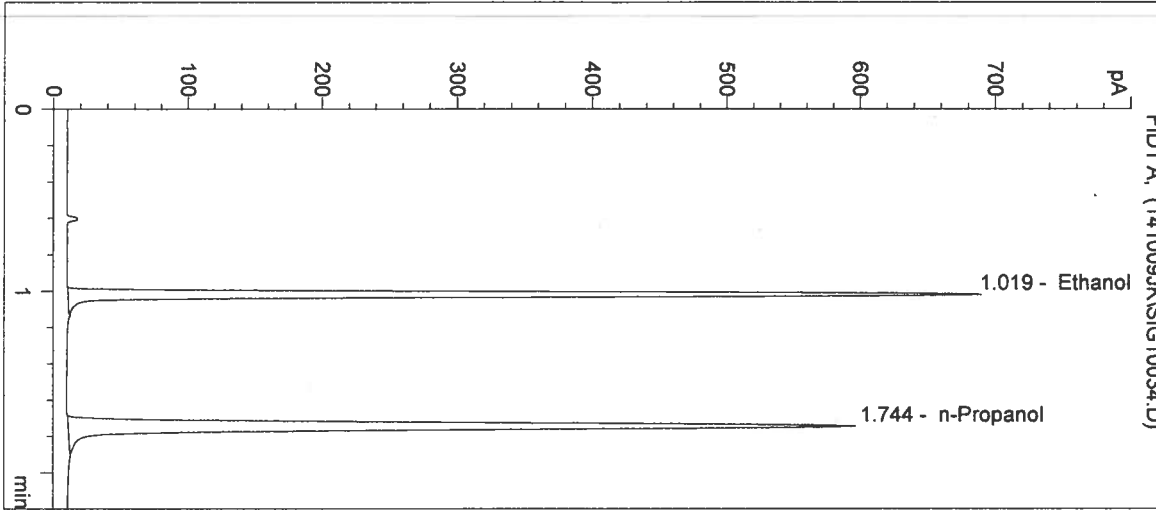
Operator: Justin Knoy

Column: DB-ALC2

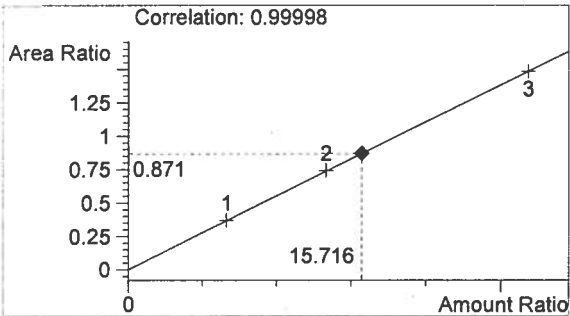
Location: Vial 34

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

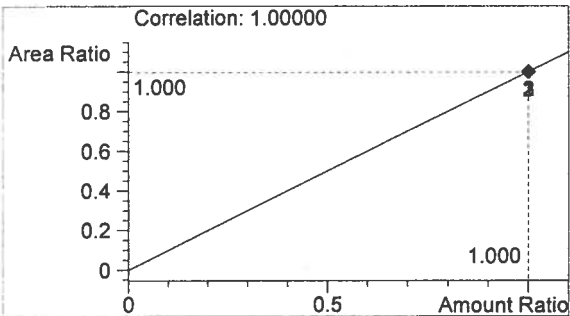
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1365	1.019
2	n-Propanol	1567	1.744



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/9/2014 1:35:11 PM

Sample Name: 14047-5

Instrument: HSGC#3

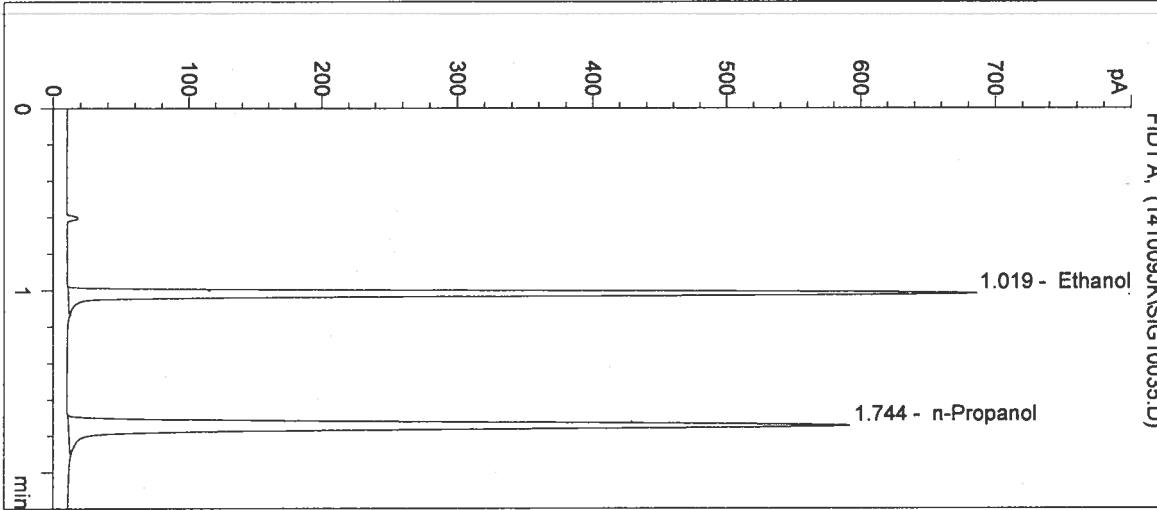
Operator: Justin Knoy

Column: DB-ALC2

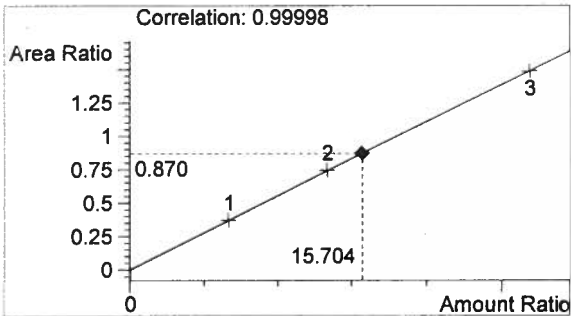
Location: Vial 35

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

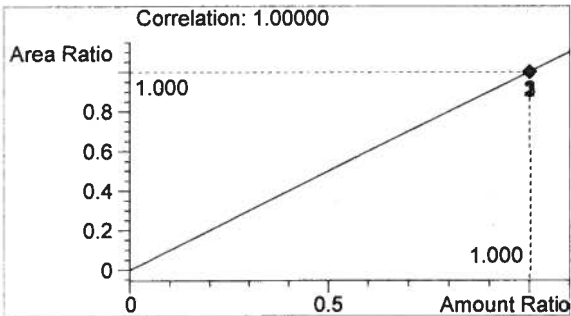
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1351	1.019
2	n-Propanol	1552	1.744



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/9/2014 1:38:24 PM

Sample Name: CTRL2 (0.10)

Instrument: HSGC#3

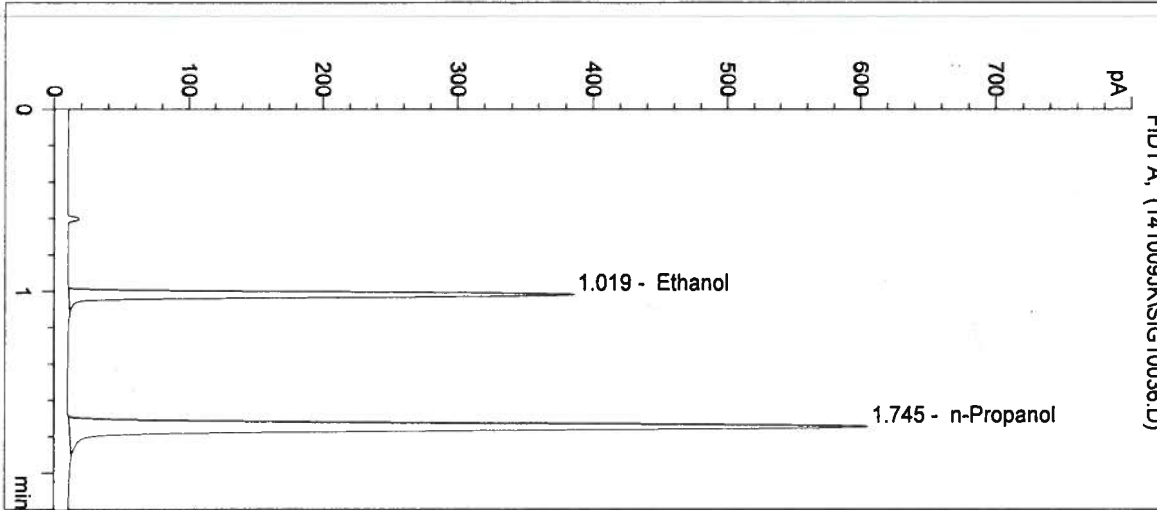
Operator: Justin Knoy

Column: DB-ALC2

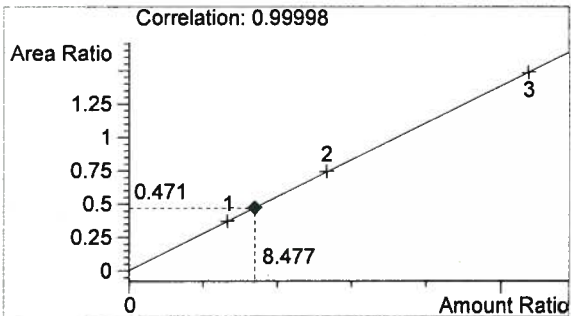
Location: Vial 36

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

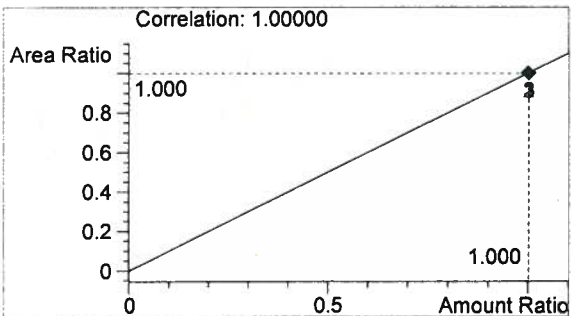
Sample Info: 0.10g/100mL



#	Compound	Peak Area	RT (min)
1	Ethanol	751	1.019
2	n-Propanol	1594	1.745



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/9/2014 1:41:38 PM

Sample Name: NEG CTRL

Instrument: HSGC#3

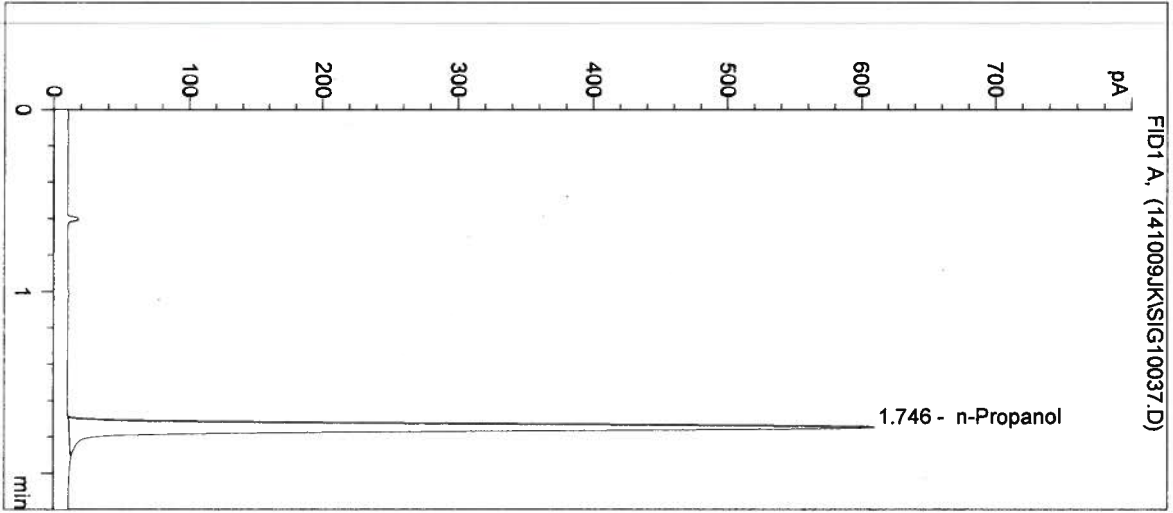
Operator: Justin Knoy

Column: DB-ALC2

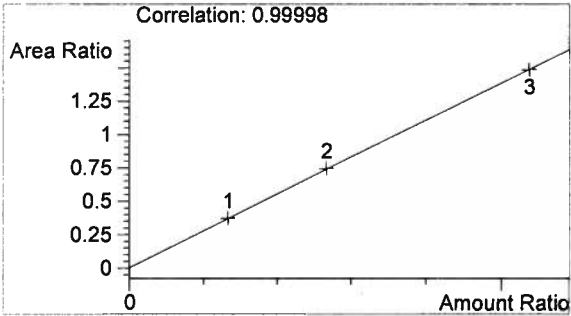
Location: Vial 37

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

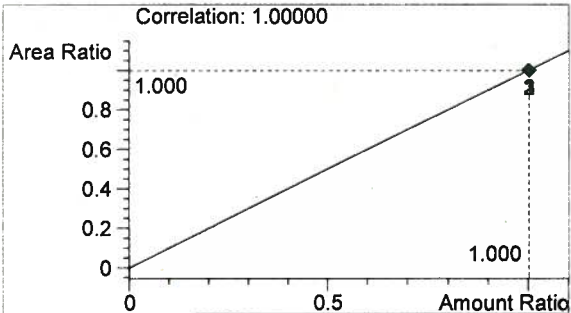
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1611	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14047

*Justin Knoy*

*J*

*K*

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\2\DATA\  
 Data Subdirectory: 141009AG  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Cal 1 (0.079 g/100mL) - Lot#E0814-01 - Exp 2/19/2015  
 Cal 2 (0.158 g/100mL) - Lot#E0814-02 - Exp 2/19/2015  
 Cal 3 (0.316 g/100mL) - Lot#E0814-03 - Exp 2/19/2015  
 CTRL 1 (0.04 g/100mL) - Lot#FN05011301 - Exp 5/2018  
 CTRL 2 (0.10 g/100mL) - Lot#FN08051301 - Exp 10/2018  
 CTRL 3 (0.20 g/100mL) - Lot#FN03211401 - Exp 6/2019

n-Propanol ISTD - Lot# P0914 - Exp 12/29/2014

*Calibration vials 1-9 filed with 14044. In 10/27/14*

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	Neg Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP 14044 0.04 1	SIMALC3	1	Sample		
11	Vial 11	QAP 14044 0.04 2	SIMALC3	1	Sample		
12	Vial 12	QAP 14044 0.04 3	SIMALC3	1	Sample		
13	Vial 13	QAP 14044 0.04 4	SIMALC3	1	Sample		
14	Vial 14	QAP 14044 0.04 5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP 14045 0.08 1	SIMALC3	1	Sample		
18	Vial 18	QAP 14045 0.08 2	SIMALC3	1	Sample		
19	Vial 19	QAP 14045 0.08 3	SIMALC3	1	Sample		
20	Vial 20	QAP 14045 0.08 4	SIMALC3	1	Sample		
21	Vial 21	QAP 14045 0.08 5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 14053 0.10 1	SIMALC3	1	Sample		
25	Vial 25	QAP 14053 0.10 2	SIMALC3	1	Sample		
26	Vial 26	QAP 14053 0.10 3	SIMALC3	1	Sample		

14047

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP 14053 0.10 4	SIMALC3	1	Sample		
28	Vial 28	QAP 14053 0.10 5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 14047 0.15 1	SIMALC3	1	Sample		
32	Vial 32	QAP 14047 0.15 2	SIMALC3	1	Sample		
33	Vial 33	QAP 14047 0.15 3	SIMALC3	1	Sample		
34	Vial 34	QAP 14047 0.15 4	SIMALC3	1	Sample		
35	Vial 35	QAP 14047 0.15 5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

14047  
2/10/2014

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

Inj. Date: 10/9/2014 10:45:09 AM

Sample Name: QAP 14047 0.15 1

Instrument: HSGC#3

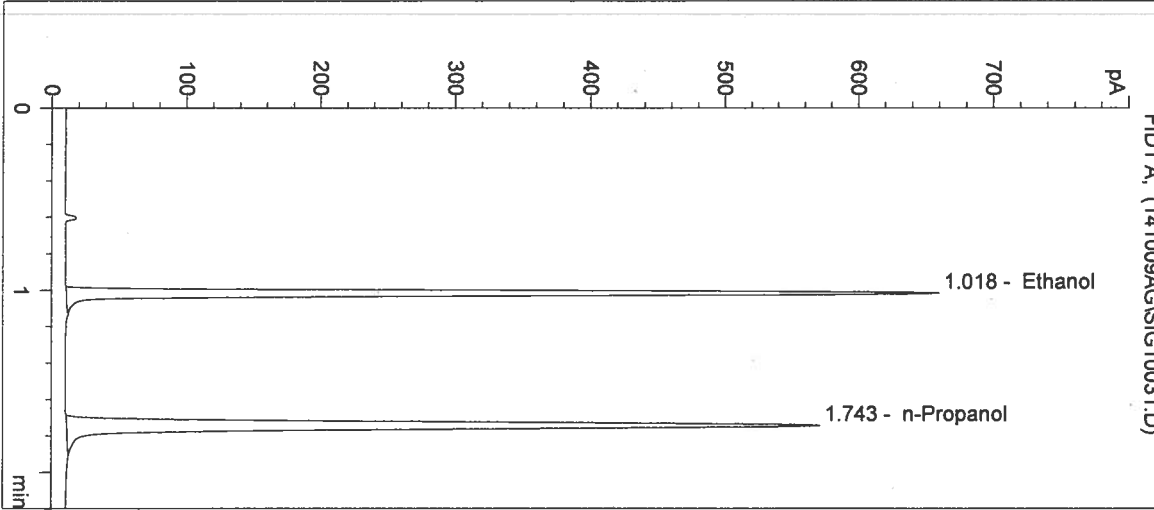
Operator: Andrew Gingras

Column: DB-ALC2

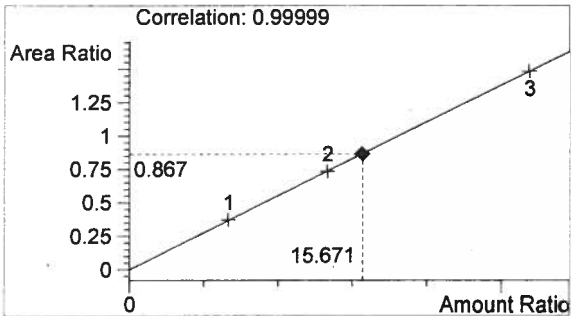
Location: Vial 31

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

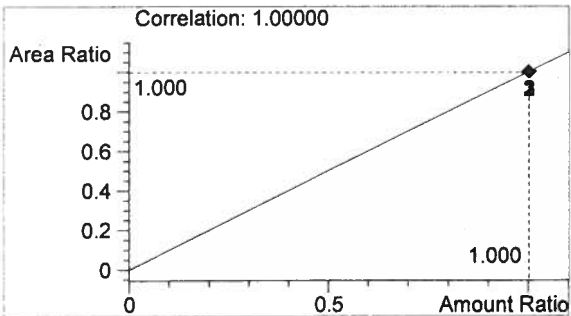
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1300	1.018
2	n-Propanol	1500	1.743



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

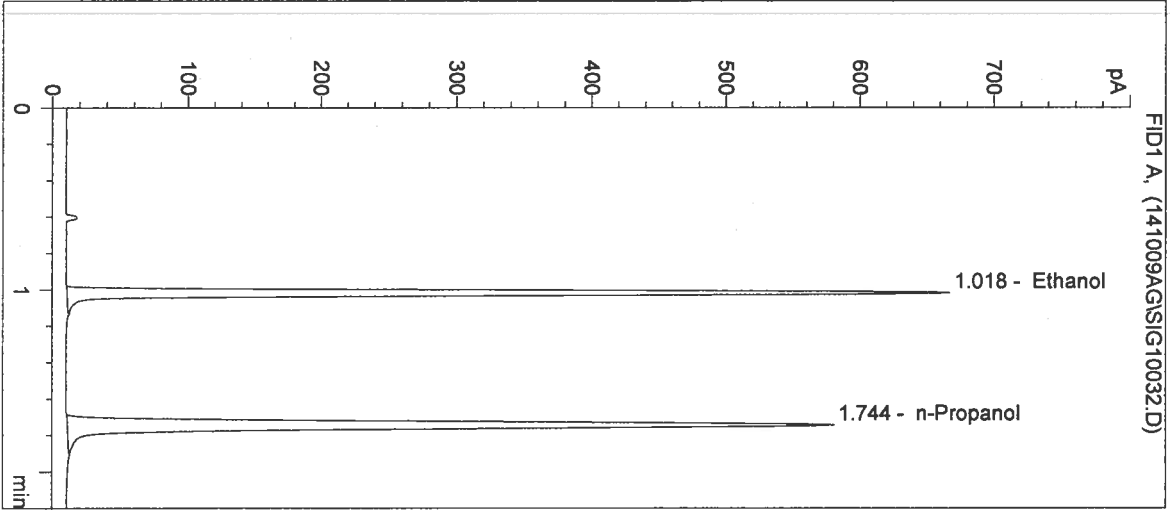
*lu*

*AG*

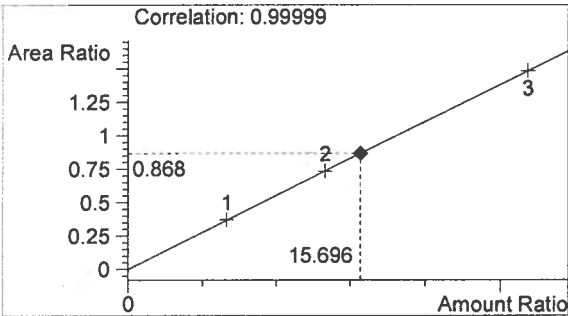
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 10:48:23 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info:

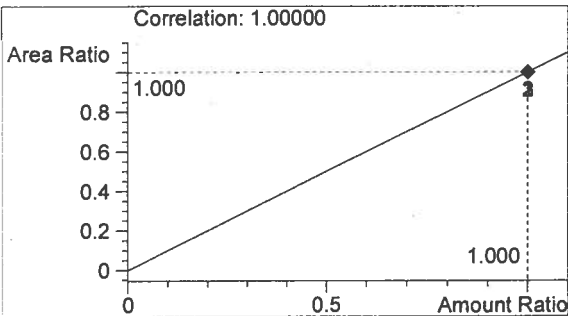
Sample Name: QAP 14047 0.15 2  
 Operator: Andrew Gingras  
 Location: Vial 32



#	Compound	Peak Area	RT (min)
1	Ethanol	1326	1.018
2	n-Propanol	1527	1.744



Ethanol 0.188 g/100mL



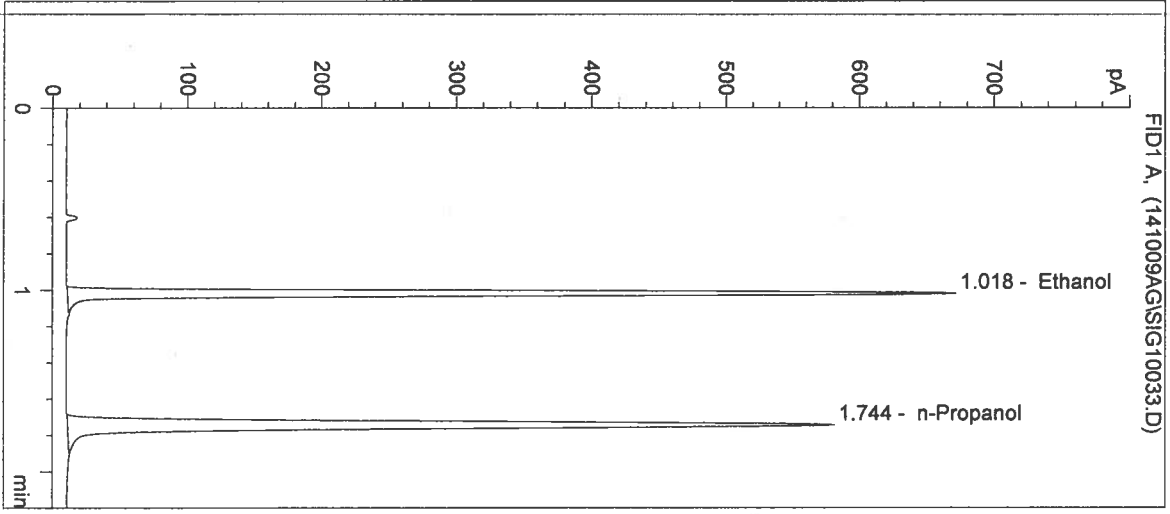
n-Propanol 0.012 g/100mL

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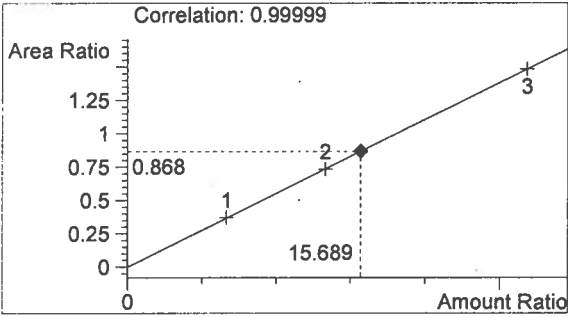
*AG*

Inj. Date: 10/9/2014 10:51:36 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info:

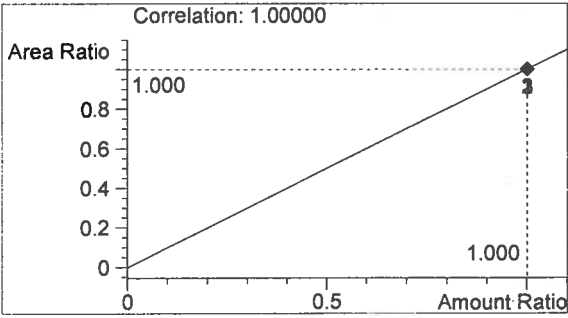
Sample Name: QAP 14047 0.15 3  
 Operator: Andrew Gingras  
 Location: Vial 33



#	Compound	Peak Area	RT (min)
1	Ethanol	1327	1.018
2	n-Propanol	1530	1.744



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/9/2014 10:54:49 AM

Sample Name: QAP 14047 0.15 4

Instrument: HSGC#3

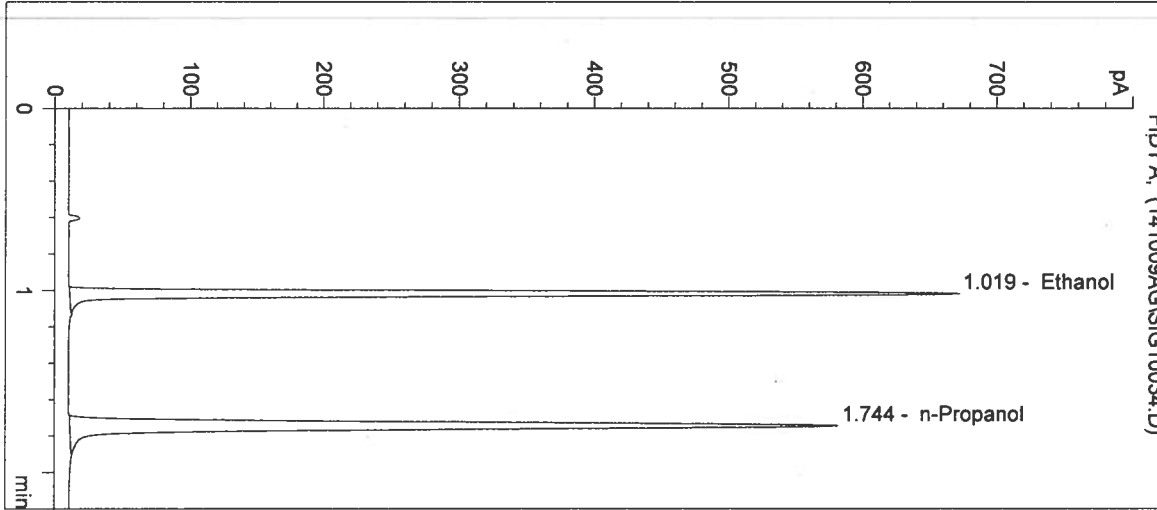
Operator: Andrew Gingras

Column: DB-ALC2

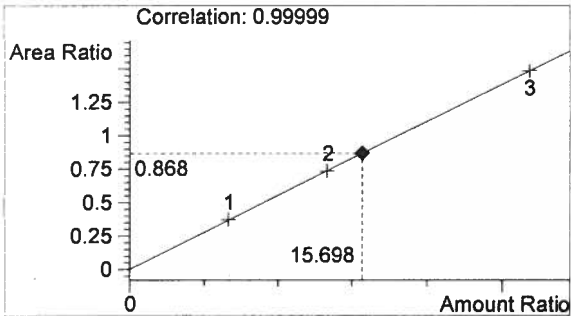
Location: Vial 34

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

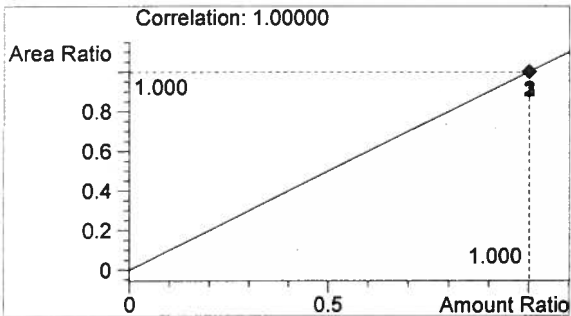
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1326	1.019
2	n-Propanol	1527	1.744



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

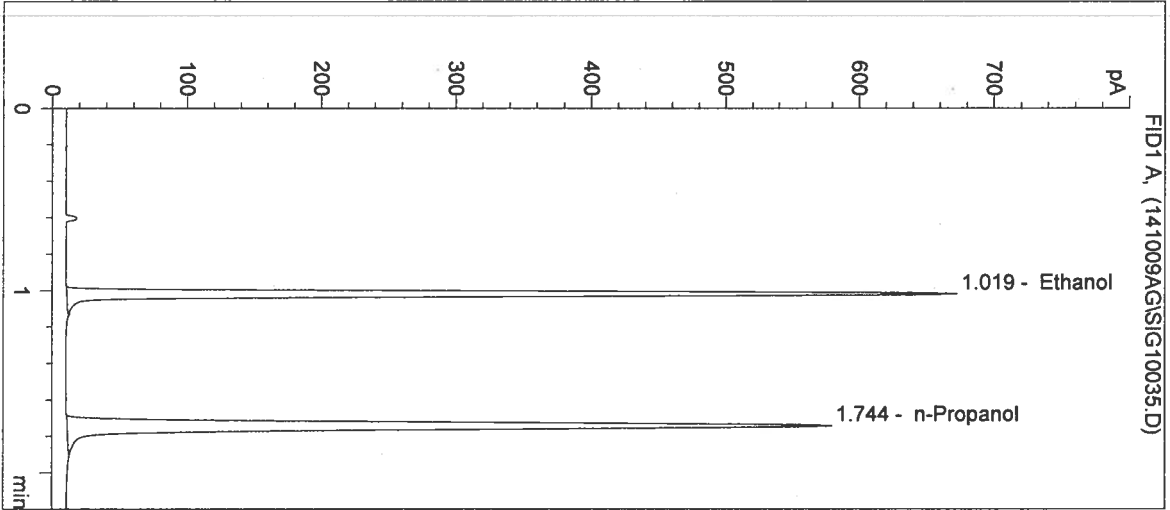
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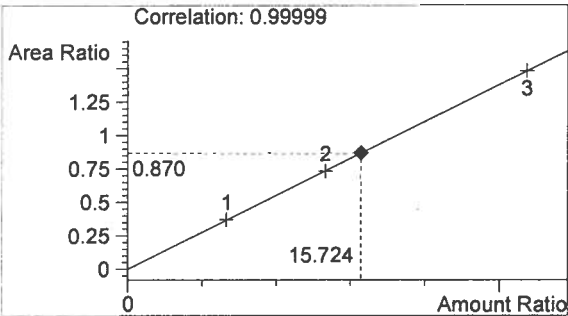
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 10:58:04 AM  
Instrument: HSGC#3  
Column: DB-ALC2  
Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
Sample Info:

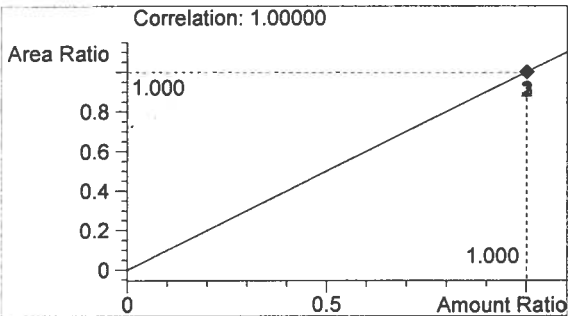
Sample Name: QAP 14047 0.15 5  
Operator: Andrew Gingras  
Location: Vial 35



#	Compound	Peak Area	RT (min)
1	Ethanol	1322	1.019
2	n-Propanol	1520	1.744



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 10/9/2014 11:01:16 AM

Sample Name: 0.10 Control

Instrument: HSGC#3

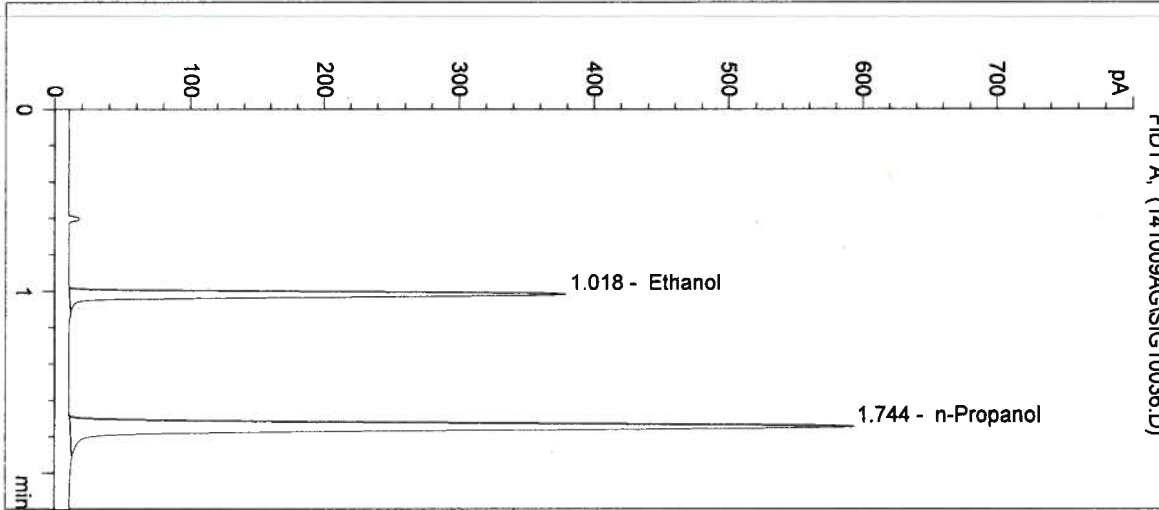
Operator: Andrew Gingras

Column: DB-ALC2

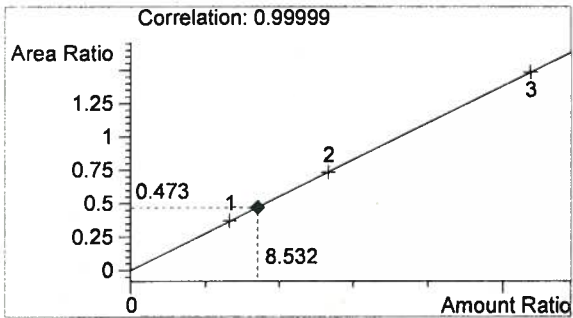
Location: Vial 36

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

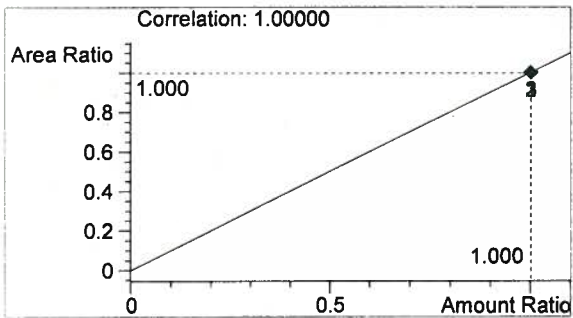
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	738	1.018
2	n-Propanol	1562	1.744



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

14047

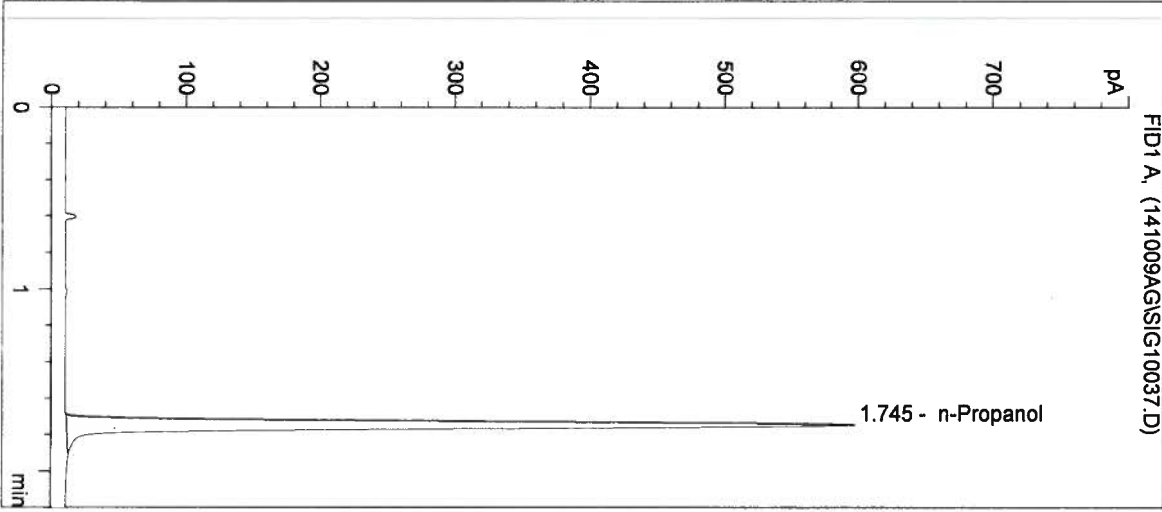
*final 10/13/14*

*8*

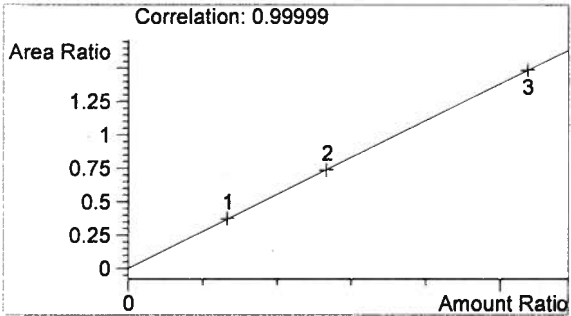
*[Signature]*

Inj. Date: 10/9/2014 11:04:32 AM  
 Instrument: HSGC#3  
 Column: DB-ALC2  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info:

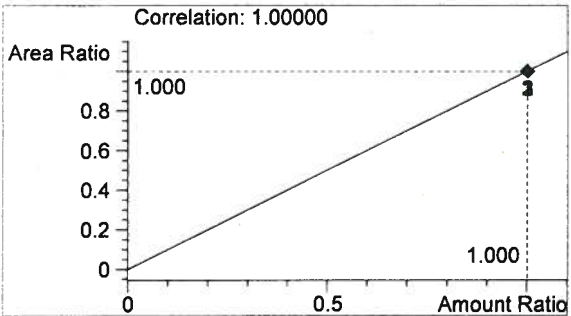
Sample Name: Neg Control  
 Operator: Andrew Gingras  
 Location: Vial 37



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1574	1.745



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14047

*Andrew Gingras*

*g*

*AG*