



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 14029**

**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: 07/23/2014  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Andrew Gingras

	AG	KK	JLK
1	0.186	0.184	0.186
2	0.187	0.185	0.185
3	0.187	0.185	0.189
4	0.187	0.185	0.187
5	0.187	0.185	0.186
C	0.099	0.101	0.102

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**



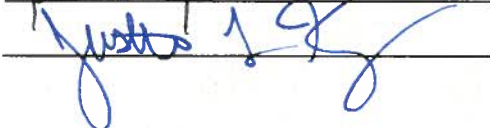
AVERAGE SOLUTION CONCENTRATION: 0.1861 g/100mL PRECISION CV (%): 0.69  
STANDARD DEVIATION: 0.00128 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1513 g/210L  
COMBINED STANDARD UNCERTAINTY: ± 0.0021 (k=1, 68% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

8/22/14  
\_\_\_\_\_  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
AG	Andrew Gingras		07/23/2014
KK	Katie Knorr		07/25/2014
JLK	Justin L. Knoy		08/05/2014

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

QAP Solution Batch #: 14029

Date Prepared: 7/23/2014

Analyst:	AG	KK	JLK
Date Tested:	<u>7/23/2014</u>	<u>7/25/2014</u>	<u>8/5/2014</u>
Instrument:	<u>HSGC #1</u>	<u>HSGC #1</u>	<u>HSGC #1</u>
1	0.186	0.184	0.186
2	0.187	0.185	0.185
3	0.187	0.185	0.189
4	0.187	0.185	0.187
5	0.187	0.185	0.186
C	0.099	0.101	0.102

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000031544	0.0000767510	0.0001016326

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

Average Solution Concentration: 0.1861 g/100mL  
Standard Deviation: 0.00128 g/100mL  
Precision CV (%): 0.69  
Equivalent Vapor Concentration: 0.1513 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0021 g/210L

Calculations performed by: Lisa Noble [Signature] 8/6/14  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 8-19-2014 Method: Hand calculation  
Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 8/6/14  
Name Signature Date

**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>	8/13/14
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston		
Dawn Sklerov		
Justin Knoy	<i>JK</i>	8.15.14
Katie Knorr	<i>KK</i>	8/14/14
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 14029

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 14029**

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 14029, was prepared in the Washington State Toxicology Laboratory on 7/23/2014. 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 7/23/2015.

Seattle, WA

 7/13/14

Andrew Gingras

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 14029**

I, Katie Knorr, 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 14029, was prepared in the Washington State Toxicology Laboratory on 7/23/2014. 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 7/23/2015.

Seattle, WA

*Katie Knorr* 8/14/14

Katie Knorr

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 14029**

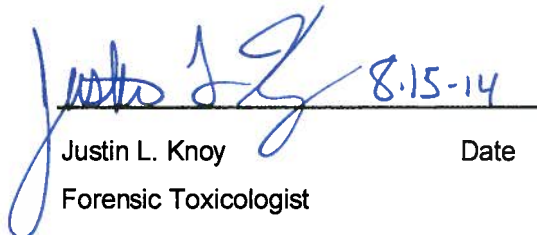
I, Justin L. Knoy, do certify under penalty of perjury that:

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 14029, was prepared in the Washington State Toxicology Laboratory on 7/23/2014. 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 7/23/2015.

Seattle, WA

  
Justin L. Knoy                      8.15-14                      Date  
Forensic Toxicologist



**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Black

Date: 8-19-2014

Location: WSP-FLSB Seattle, WA

Solution Batch Number: 14029

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

Comments:

Reviewer Signature: 

Date: 8-19-2014

Reviewer Signature: MA 03 8-19-14

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

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

Preparation Date: 7/23/2014 Initials of Preparer: AG

Expiration Date: 7/23/2015

Lot # of 200-proof Ethanol used in preparation: ZCB0070

Date the 200-proof Ethanol bottle was opened: 6/25/14

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>14026</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>14027</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>14028</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>14029</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>14030</u>
ESS	66.5	52	<input type="checkbox"/>	

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed

7/23/14  
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

7/23/14  
Date



Sequence Parameters:

Sequence : C:\CHEM32\1\SEQUENCE\AGQAP.S  
 Operator : Andrew Gingras  
 Data File Naming : Auto  
 Data Directory : C:\Chem32\1\DATA\  
 Data Subdirectory : 140723AG  
 Part of Methods to run : According to Runtime Checklist  
 Barcode Reader : not used  
 Shutdown Cmd/Macro : none  
 Sequence Comment :  
 CAL 1: 0.079 g/100 mL - Lot: E0414-01 - exp: 10/15/14  
 CAL 2: 0.158 g/100 mL - Lot: E0414-02 - exp: 10/15/14  
 CAL 3: 0.316 g/100 mL - Lot: E0414-03 - exp: 10/15/14  
 CTRL 1: 0.04 g/100 mL - Lot: FN05011301 - exp: 5/2018  
 CTRL 2: 0.10 g/100 mL - Lot: FN08051301 - exp: 10/2018  
 CTRL 3: 0.20 g/100 mL - Lot: FN100511-01 - exp: 10/2016  
 n-Propanol: Lot: P0514 - exp: 8/27/2014

14026

14027

14028

14029

14030

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
1	Vial 1	BLANK	SIMALC1	1	Sample	
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib	
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib	
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib	
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp	
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp	
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp	
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp	

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
10	Vial 10	QAP 14026 #1	SIMALC1	1	Sample	
11	Vial 11	QAP 14026 #2	SIMALC1	1	Sample	
12	Vial 12	QAP 14026 #3	SIMALC1	1	Sample	
13	Vial 13	QAP 14026 #4	SIMALC1	1	Sample	
14	Vial 14	QAP 14026 #5	SIMALC1	1	Sample	
15	Vial 15	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp	
17	Vial 17	QAP 14027 #1	SIMALC1	1	Sample	
18	Vial 18	QAP 14027 #2	SIMALC1	1	Sample	
19	Vial 19	QAP 14027 #3	SIMALC1	1	Sample	
20	Vial 20	QAP 14027 #4	SIMALC1	1	Sample	1 4 0 2 6
21	Vial 21	QAP 14027 #5	SIMALC1	1	Sample	1 4 0 2 7
22	Vial 22	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	1 4 0 2 8
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp	1 4 0 2 9
24	Vial 24	QAP 14028 #1	SIMALC1	1	Sample	1 4 0 3 0
25	Vial 25	QAP 14028 #2	SIMALC1	1	Sample	
26	Vial 26	QAP 14028 #3	SIMALC1	1	Sample	
27	Vial 27	QAP 14028 #4	SIMALC1	1	Sample	
28	Vial 28	QAP 14028 #5	SIMALC1	1	Sample	
29	Vial 29	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp	
31	Vial 31	QAP 14029 #1	SIMALC1	1	Sample	
32	Vial 32	QAP 14029 #2	SIMALC1	1	Sample	
33	Vial 33	QAP 14029 #3	SIMALC1	1	Sample	
34	Vial 34	QAP 14029 #4	SIMALC1	1	Sample	
35	Vial 35	QAP 14029 #5	SIMALC1	1	Sample	
36	Vial 36	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp	

1 4 0 2 6  
 1 4 0 2 7  
 1 4 0 2 8  
 1 4 0 2 9  
 1 4 0 3 0

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
38	Vial 38	QAP 14030 #1	SIMALC1	1	Sample	
39	Vial 39	QAP 14030 #2	SIMALC1	1	Sample	
40	Vial 40	QAP 14030 #3	SIMALC1	1	Sample	
41	Vial 41	QAP 14030 #4	SIMALC1	1	Sample	
42	Vial 42	QAP 14030 #5	SIMALC1	1	Sample	
43	Vial 43	CTRL 2 (0.10)	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	CAL 1 (0.079)	SIMALC1	1	Replace		Replace		
3	Vial 3	CAL 2 (0.158)	SIMALC1	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

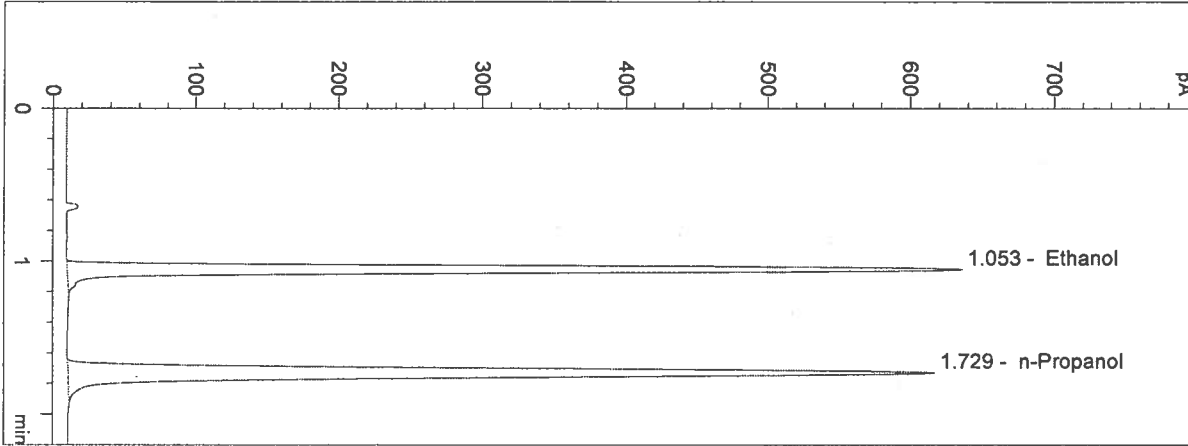
No entries - empty table!

1 4 0 2 6  
 1 4 0 2 7  
 1 4 0 2 8  
 1 4 0 2 9  
 1 4 0 3 0

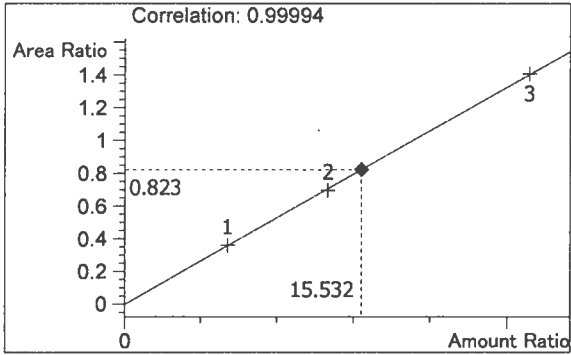
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/23/2014 11:12:16 AM Sample Name: QAP 14029 #1  
Instrument: HSGC 1 Operator: Andrew Gingras  
Column: DB-ALC1 Location: Vial 31  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

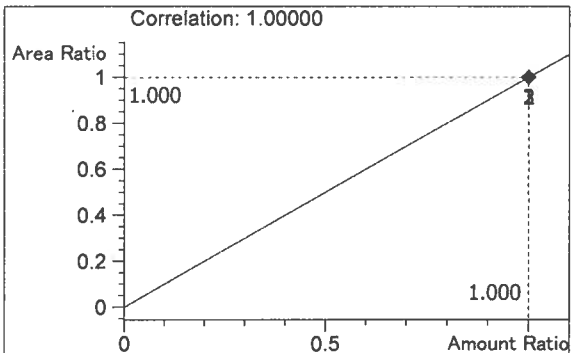
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1991	1.053
2	n-Propanol	2420	1.729



Ethanol 0.186 g/100mL

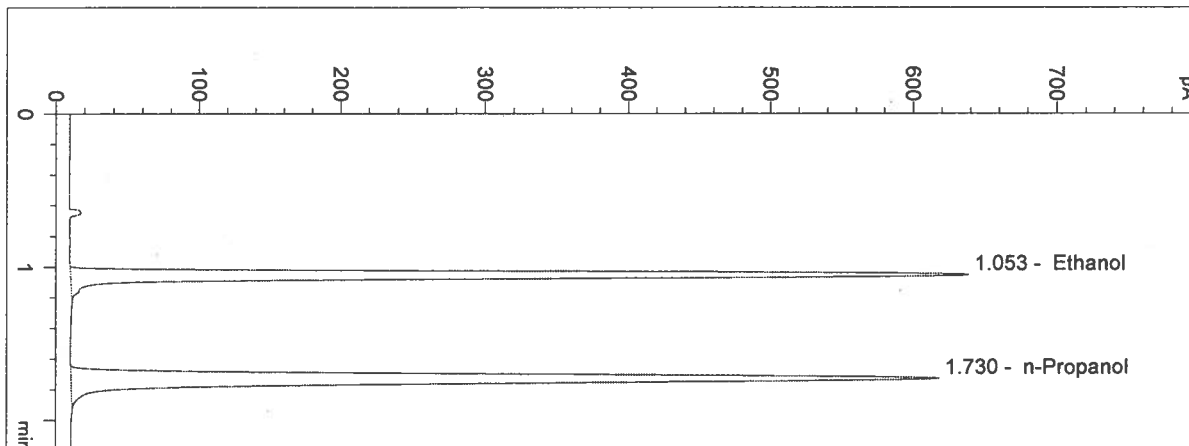


n-Propanol 0.012 g/100mL

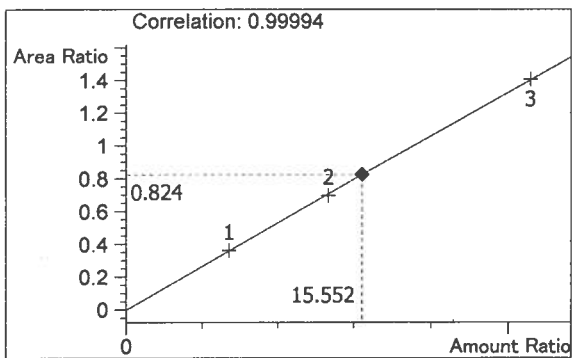
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/23/2014 11:15:29 AM Sample Name: QAP 14029 #2  
Instrument: HSGC 1 Operator: Andrew Gingras  
Column: DB-ALC1 Location: Vial 32  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

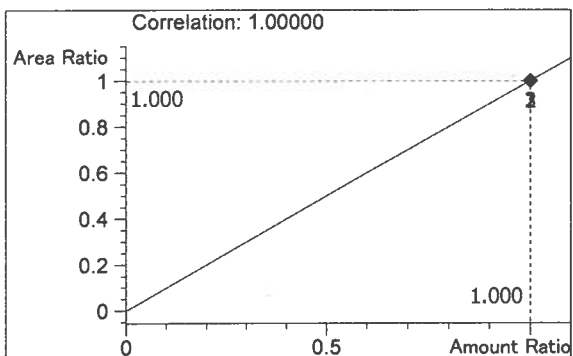
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1993	1.053
2	n-Propanol	2419	1.730



Ethanol 0.187 g/100mL

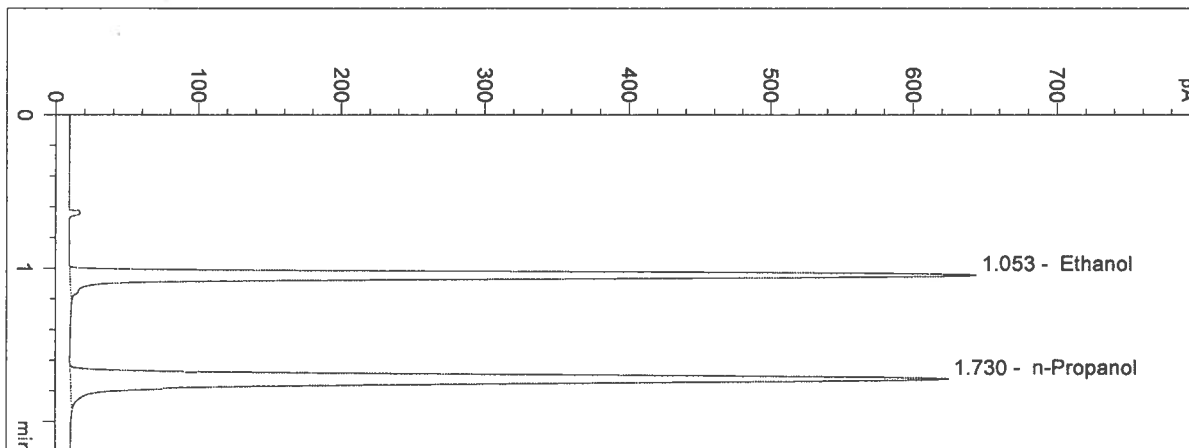


n-Propanol 0.012 g/100mL

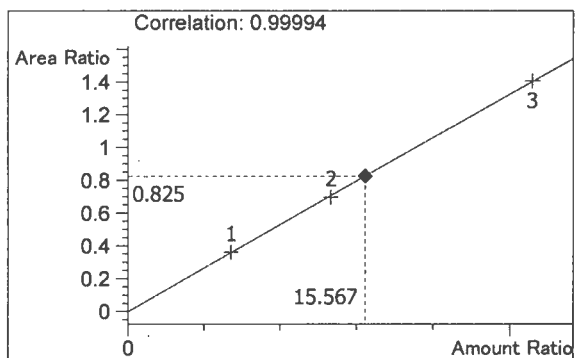
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/23/2014 11:18:43 AM Sample Name: QAP 14029 #3  
Instrument: HSGC 1 Operator: Andrew Gingras  
Column: DB-ALC1 Location: Vial 33  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

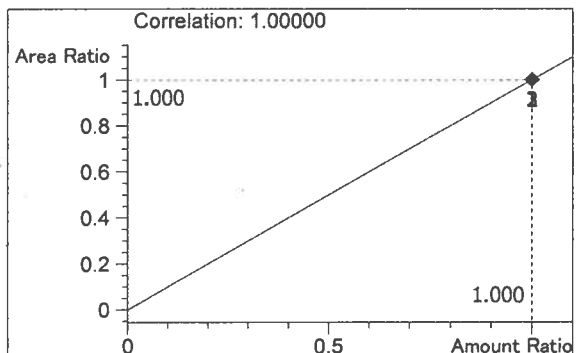
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2018	1.053
2	n-Propanol	2446	1.730



Ethanol 0.187 g/100mL

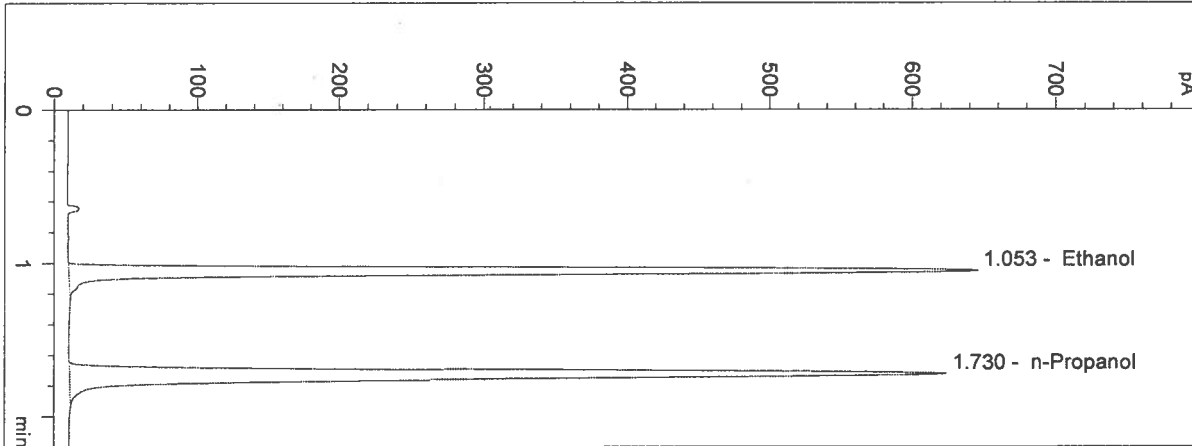


n-Propanol 0.012 g/100mL

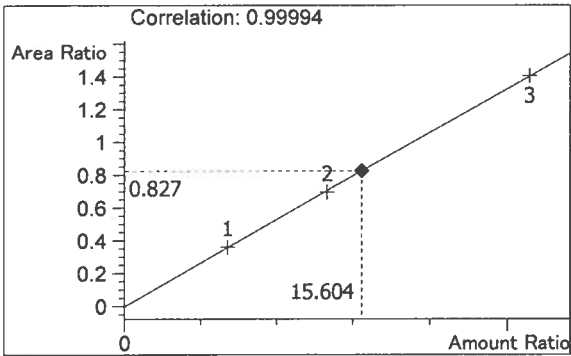
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2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/23/2014 11:21:56 AM Sample Name: QAP 14029 #4  
Instrument: HSGC 1 Operator: Andrew Gingras  
Column: DB-ALC1 Location: Vial 34  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

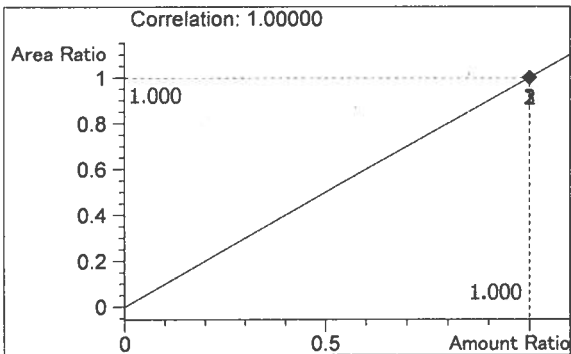
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2020	1.053
2	n-Propanol	2443	1.730



Ethanol 0.187 g/100mL

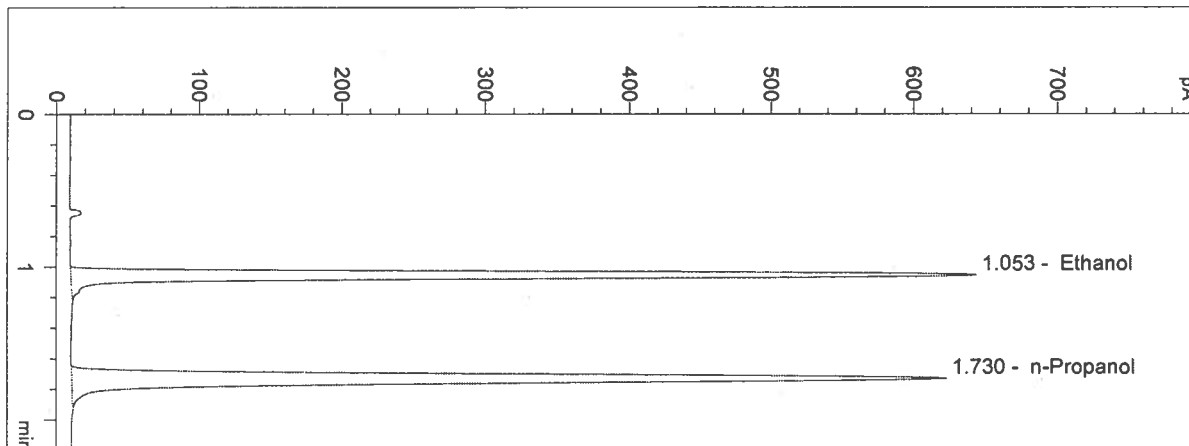


n-Propanol 0.012 g/100mL

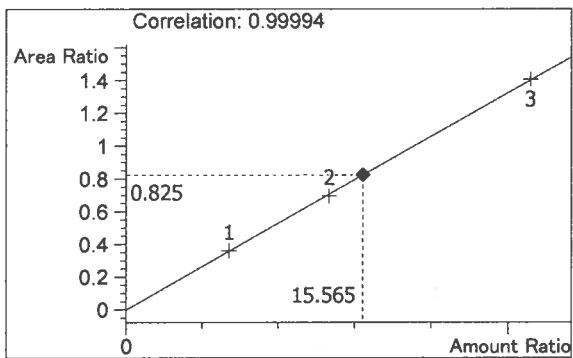
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/23/2014 11:25:10 AM Sample Name: QAP 14029 #5  
Instrument: HSGC 1 Operator: Andrew Gingras  
Column: DB-ALC1 Location: Vial 35  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

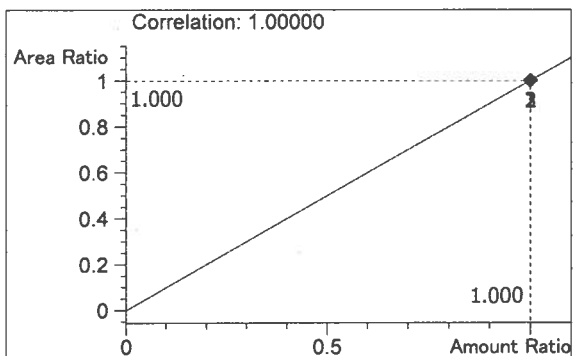
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2014	1.053
2	n-Propanol	2441	1.730



Ethanol 0.187 g/100mL



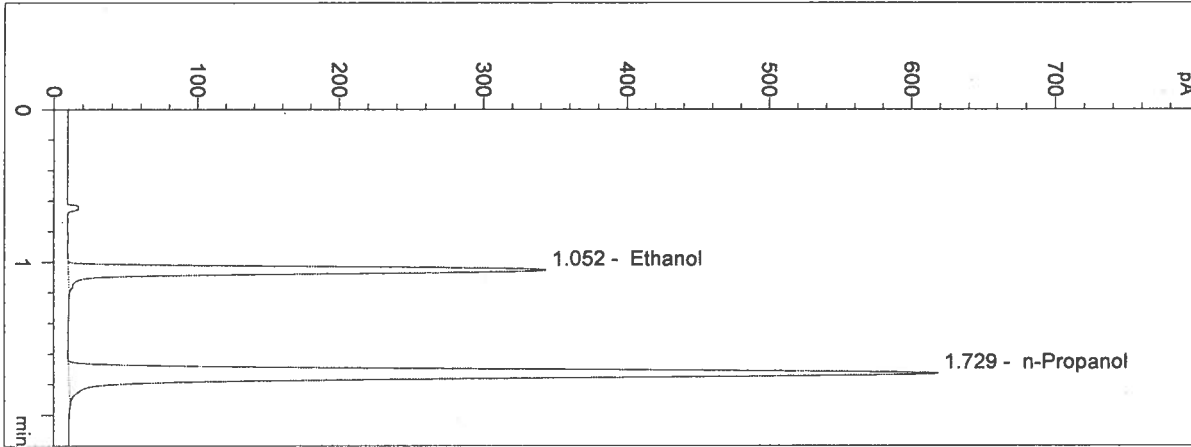
n-Propanol 0.012 g/100mL



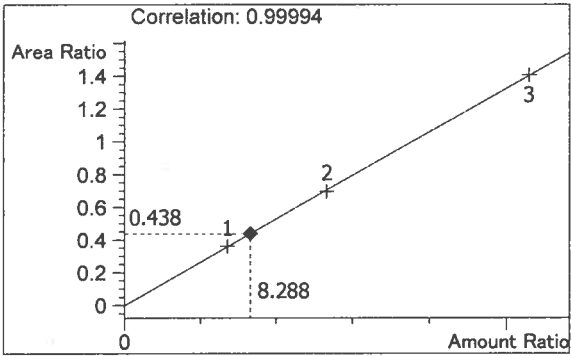
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/23/2014 11:28:24 AM Sample Name: CTRL 2 (0.10)  
 Instrument: HSGC 1 Operator: Andrew Gingras  
 Column: DB-ALC1 Location: Vial 36  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M

Sample Info:

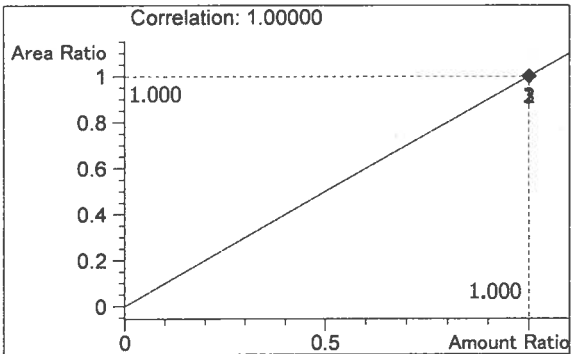


#	Compound	Peak Area	RT (min)
1	Ethanol	1061	1.052
2	n-Propanol	2421	1.729



Ethanol 0.099 g/100mL

14029

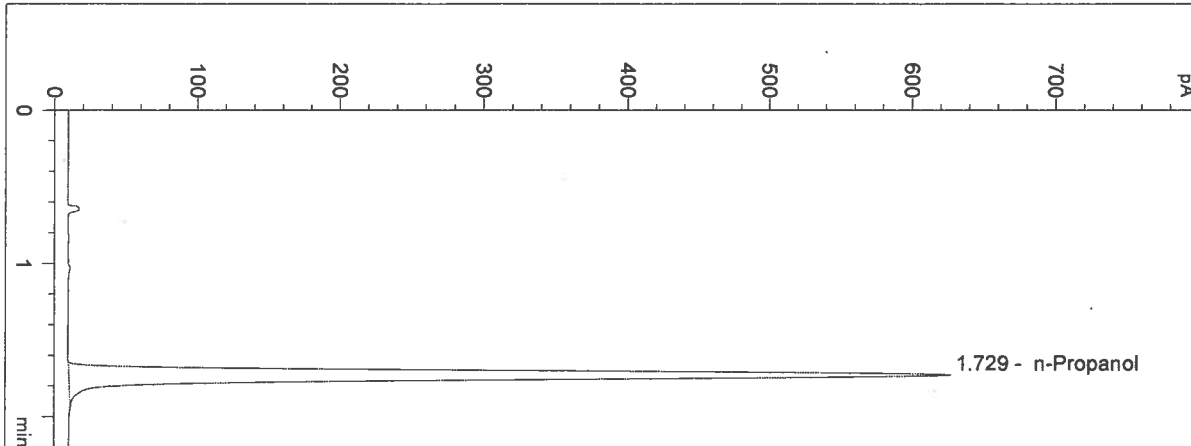


n-Propanol 0.012 g/100mL

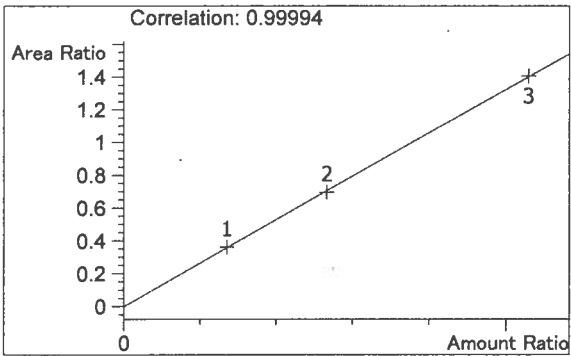
*AG*

Inj. Date: 7/23/2014 11:31:37 AM Sample Name: NEG CTRL  
Instrument: HSGC 1 Operator: Andrew Gingras  
Column: DB-ALC1 Location: Vial 37  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

Sample Info:

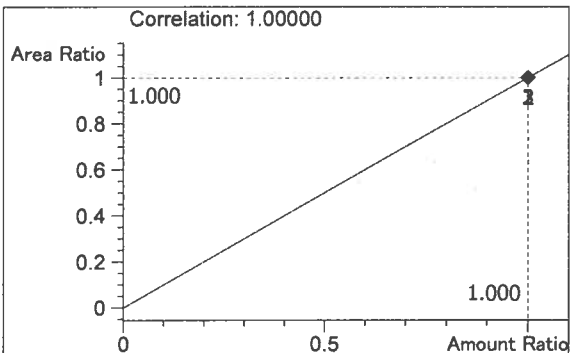


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2457	1.729



Ethanol 0.000 g/100mL

14029



n-Propanol 0.012 g/100mL

Sequence Parameters:

Sequence : C:\CHEM32\1\SEQUENCE\KKQAP.S  
 Operator : Katie Knorr  
 Data File Naming : Auto  
 Data Directory : C:\Chem32\1\DATA\  
 Data Subdirectory : 140725kk  
 Part of Methods to run : According to Runtime Checklist  
 Barcode Reader : not used  
 Shutdown Cmd/Macro : none  
 Sequence Comment :  
 CAL 1: 0.079 g/100 mL - Lot: E0414-01 - exp: 10/15/14  
 CAL 2: 0.158 g/100 mL - Lot: E0414-02 - exp: 10/15/14  
 CAL 3: 0.316 g/100 mL - Lot: E0414-03 - exp: 10/15/14  
 CTRL 1: 0.04 g/100 mL - Lot: FN05011301 - exp: 5/2018  
 CTRL 2: 0.10 g/100 mL - Lot: FN08051301 - exp: 10/2018  
 CTRL 3: 0.20 g/100 mL - Lot: FN100511-01 - exp: 10/2016  
 n-Propanol: Lot: P0514 - exp: 8/27/2014

1 4 0 2 6  
 1 4 0 2 7  
 1 4 0 2 8  
 1 4 0 2 9  
 1 4 0 3 0

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
1	Vial 1	BLANK	SIMALC1	1	Sample	
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib	
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib	
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib	
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp	
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp	
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp	
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp	

KK

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
10	Vial 10	QAP 14026 #1	SIMALC1	1	Sample	
11	Vial 11	QAP 14026 #2	SIMALC1	1	Sample	
12	Vial 12	QAP 14026 #3	SIMALC1	1	Sample	
13	Vial 13	QAP 14026 #4	SIMALC1	1	Sample	
14	Vial 14	QAP 14026 #5	SIMALC1	1	Sample	
15	Vial 15	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp	
17	Vial 17	QAP 14027 #1	SIMALC1	1	Sample	
18	Vial 18	QAP 14027 #2	SIMALC1	1	Sample	
19	Vial 19	QAP 14027 #3	SIMALC1	1	Sample	
20	Vial 20	QAP 14027 #4	SIMALC1	1	Sample	1 4 0 2 6
21	Vial 21	QAP 14027 #5	SIMALC1	1	Sample	1 4 0 2 7
22	Vial 22	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	1 4 0 2 8
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp	
24	Vial 24	QAP 14028 #1	SIMALC1	1	Sample	1 4 0 2 9
25	Vial 25	QAP 14028 #2	SIMALC1	1	Sample	1 4 0 3 0
26	Vial 26	QAP 14028 #3	SIMALC1	1	Sample	
27	Vial 27	QAP 14028 #4	SIMALC1	1	Sample	
28	Vial 28	QAP 14028 #5	SIMALC1	1	Sample	
29	Vial 29	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp	
31	Vial 31	QAP 14029 #1	SIMALC1	1	Sample	
32	Vial 32	QAP 14029 #2	SIMALC1	1	Sample	
33	Vial 33	QAP 14029 #3	SIMALC1	1	Sample	
34	Vial 34	QAP 14029 #4	SIMALC1	1	Sample	
35	Vial 35	QAP 14029 #5	SIMALC1	1	Sample	
36	Vial 36	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp	

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Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
38	Vial 38	QAP 14030 #1	SIMALC1	1	Sample	
39	Vial 39	QAP 14030 #2	SIMALC1	1	Sample	
40	Vial 40	QAP 14030 #3	SIMALC1	1	Sample	
41	Vial 41	QAP 14030 #4	SIMALC1	1	Sample	
42	Vial 42	QAP 14030 #5	SIMALC1	1	Sample	
43	Vial 43	CTRL 2 (0.10)	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	CAL 1 (0.079)	SIMALC1	1	Replace		Replace		
3	Vial 3	CAL 2 (0.158)	SIMALC1	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

1 4 0 2 6

1 4 0 2 7

1 4 0 2 8

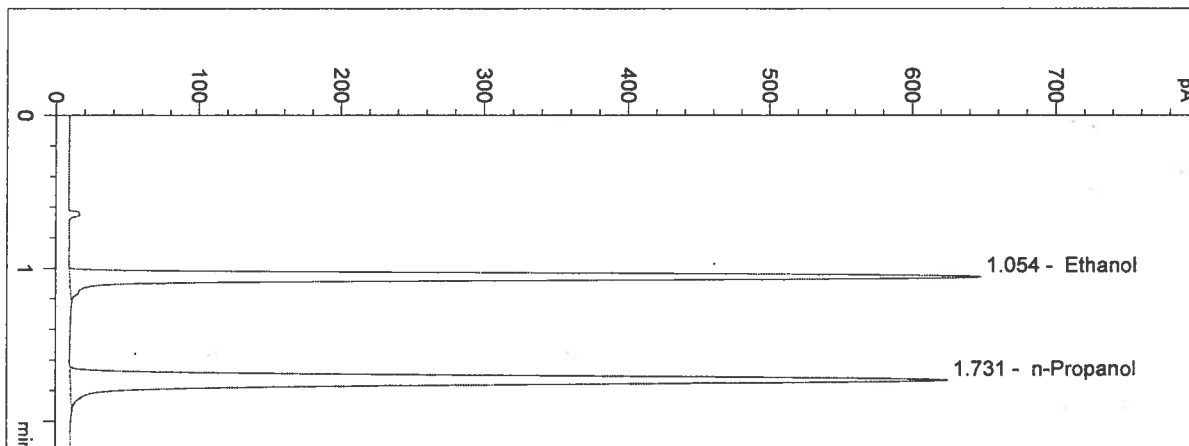
1 4 0 2 9

1 4 0 3 0

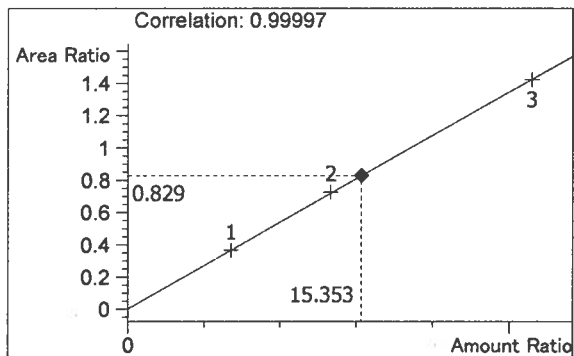
KK

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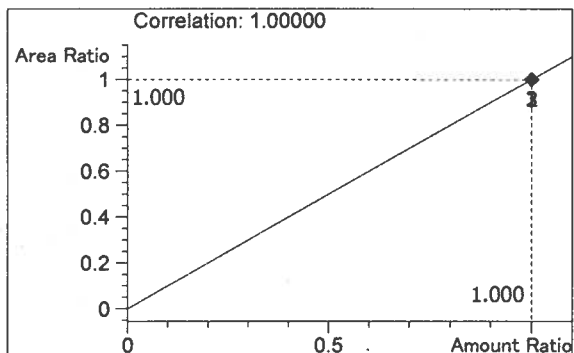
Inj. Date: 7/25/2014 3:59:50 PM Sample Name: QAP 14029 #1  
 Instrument: HSGC 1 Operator: Katie Knorr  
 Column: DB-ALC1 Location: Vial 31  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2028	1.054
2	n-Propanol	2446	1.731



Ethanol 0.184 g/100mL

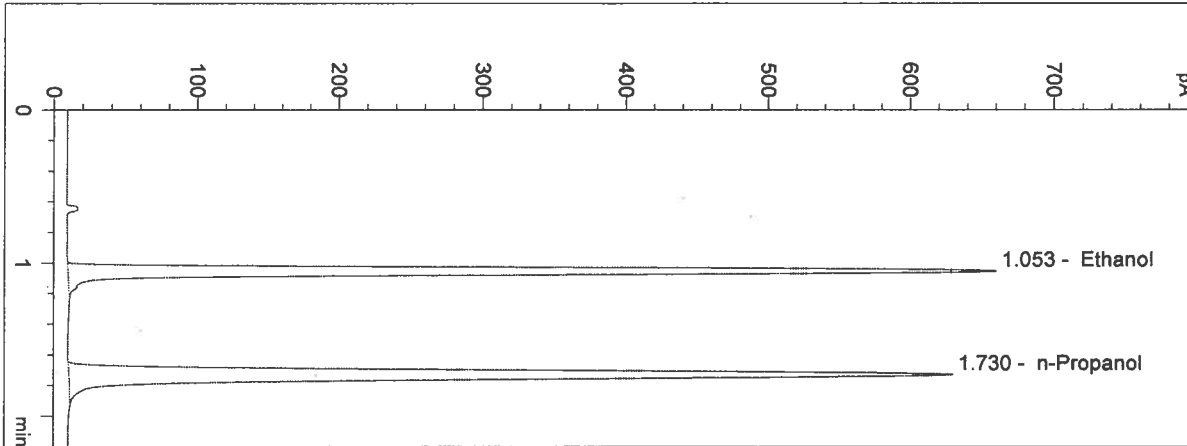


n-Propanol 0.012 g/100mL

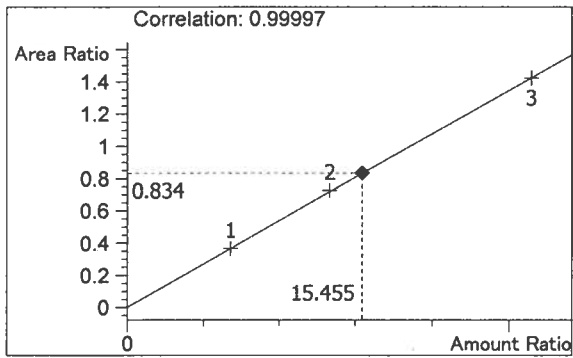
KK

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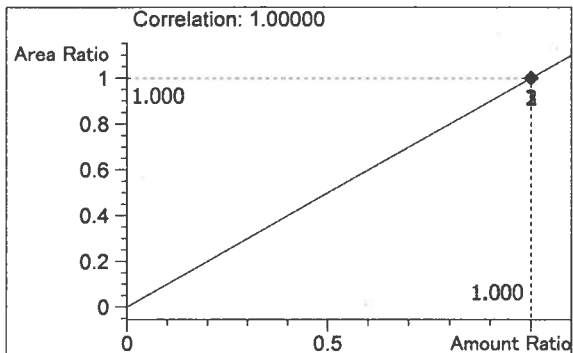
Inj. Date: 7/25/2014 4:03:03 PM Sample Name: QAP 14029 #2  
Instrument: HSGC 1 Operator: Katie Knorr  
Column: DB-ALC1 Location: Vial 32  
Method: C:\CHEM32\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2055	1.053
2	n-Propanol	2463	1.730



Ethanol 0.185 g/100mL

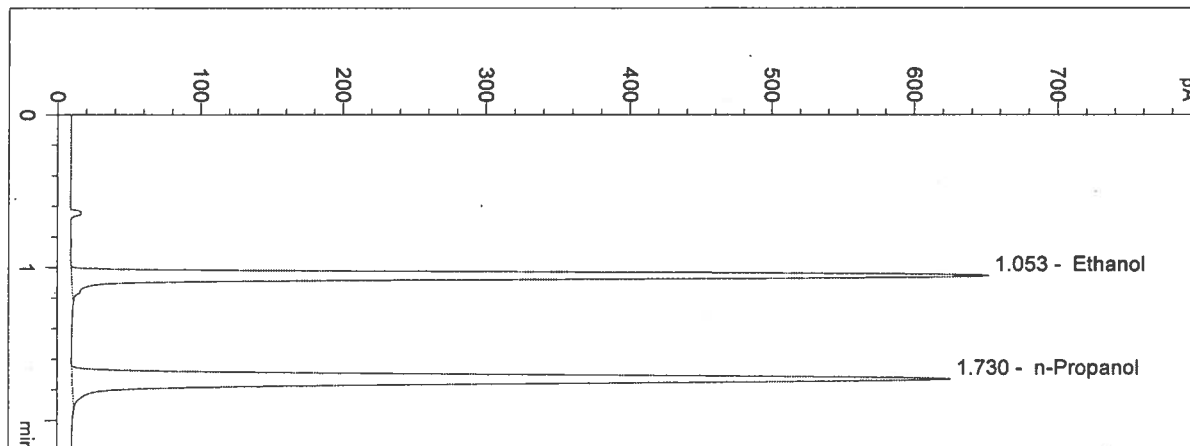


n-Propanol 0.012 g/100mL

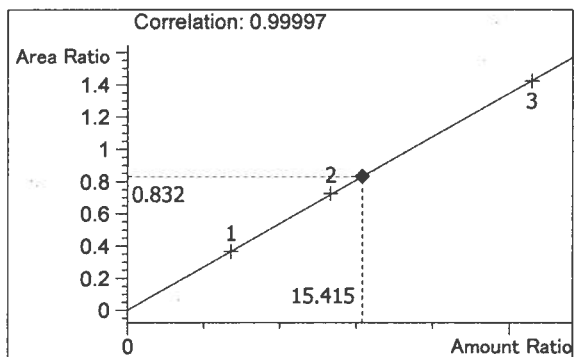
KK

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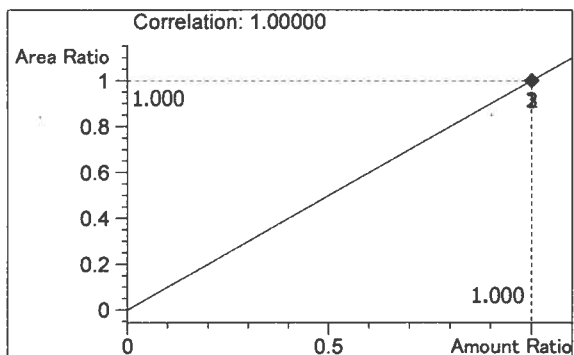
Inj. Date: 7/25/2014 4:06:17 PM Sample Name: QAP 14029 #3  
Instrument: HSGC 1 Operator: Katie Knorr  
Column: DB-ALC1 Location: Vial 33  
Method: C:\CHEM32\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2036	1.053
2	n-Propanol	2447	1.730



Ethanol 0.185 g/100mL

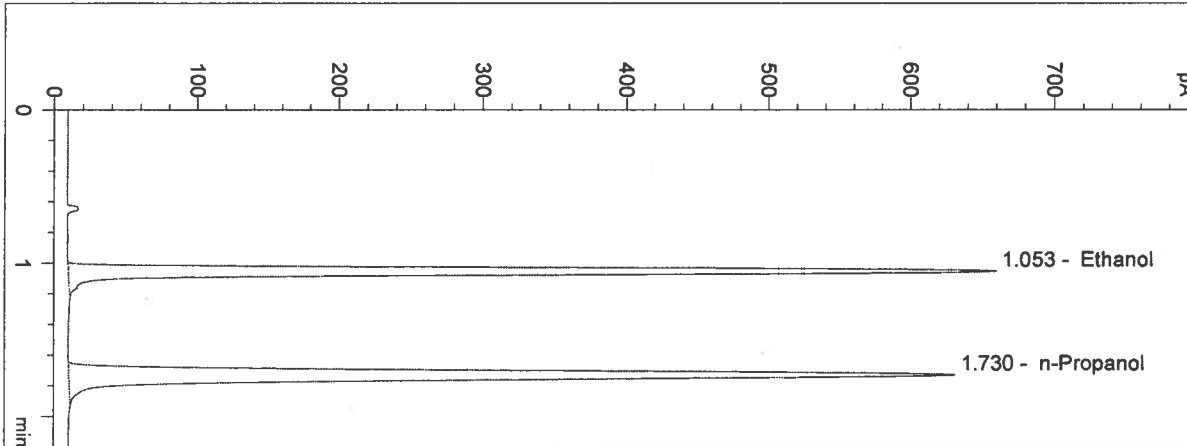


n-Propanol 0.012 g/100mL

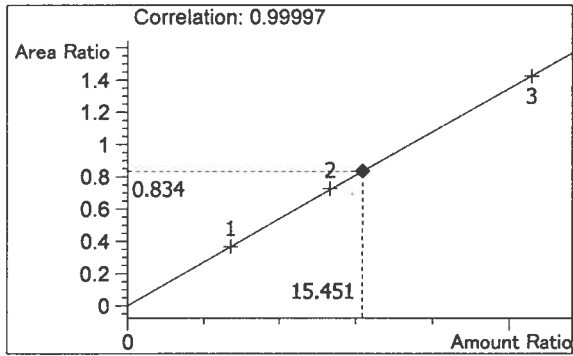


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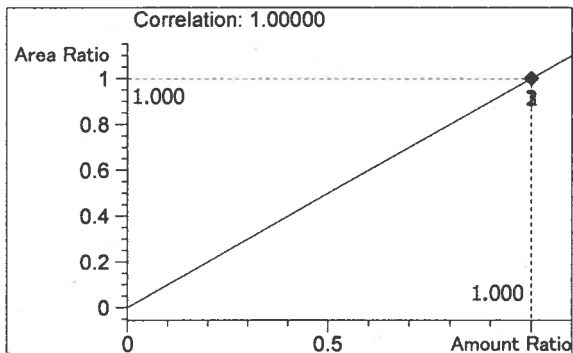
Inj. Date: 7/25/2014 4:09:29 PM Sample Name: QAP 14029 #4  
Instrument: HSGC 1 Operator: Katie Knorr  
Column: DB-ALC1 Location: Vial 34  
Method: C:\CHEM32\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2056	1.053
2	n-Propanol	2465	1.730



Ethanol 0.185 g/100mL

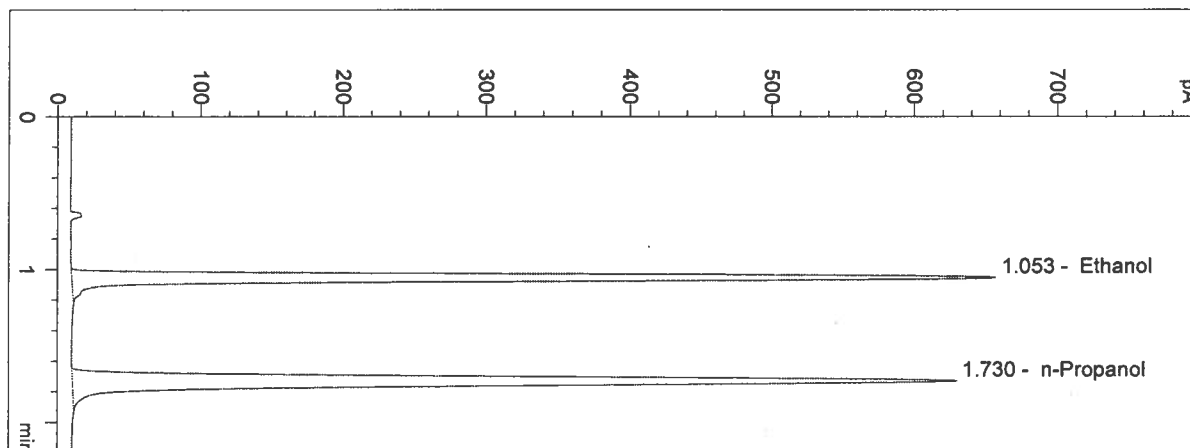


n-Propanol 0.012 g/100mL

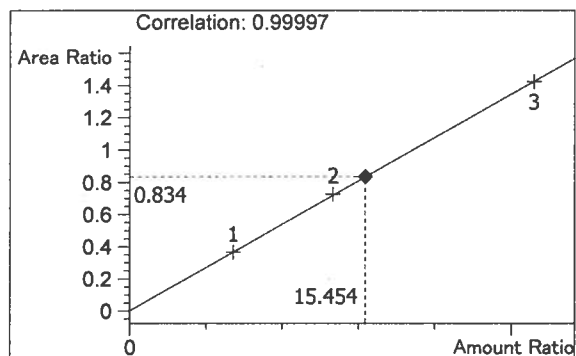
KK

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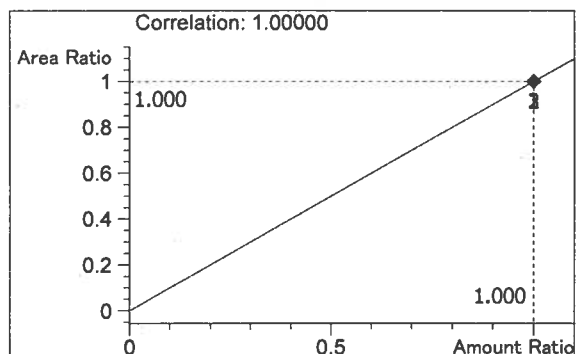
Inj. Date: 7/25/2014 4:12:43 PM Sample Name: QAP 14029 #5  
 Instrument: HSGC 1 Operator: Katie Knorr  
 Column: DB-ALC1 Location: Vial 35  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2059	1.053
2	n-Propanol	2468	1.730



Ethanol 0.185 g/100mL

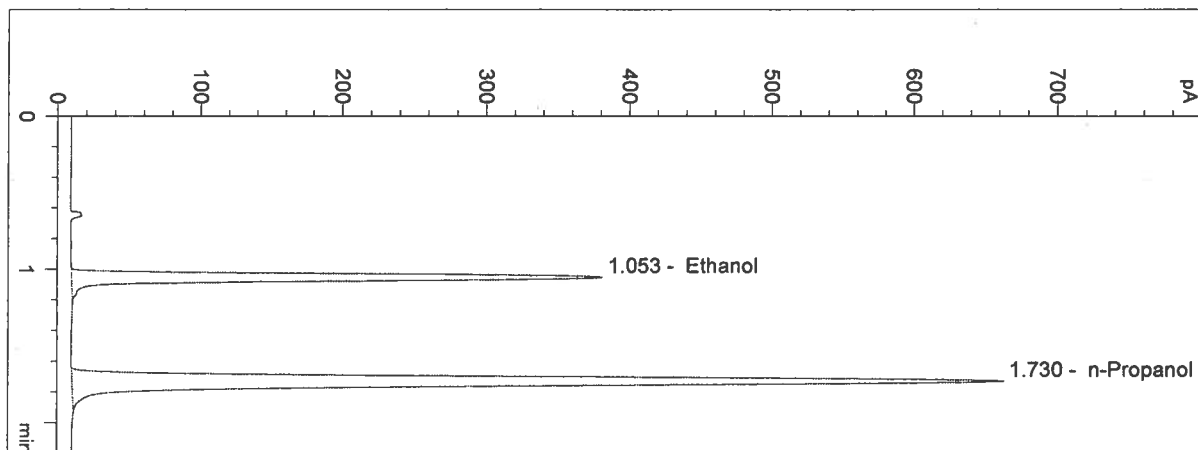


n-Propanol 0.012 g/100mL

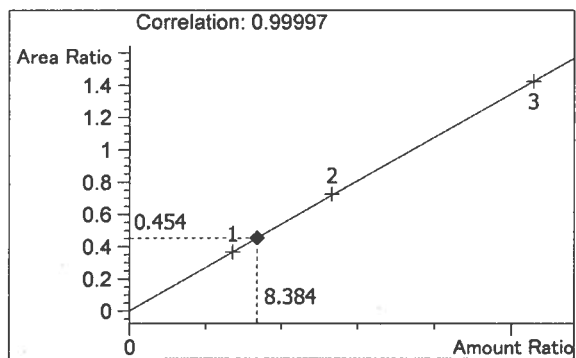
KK

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Inj. Date: 7/25/2014 4:15:56 PM Sample Name: CTRL 2 (0.10)  
 Instrument: HSGC 1 Operator: Katie Knorr  
 Column: DB-ALC1 Location: Vial 36  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M  
 Sample Info:

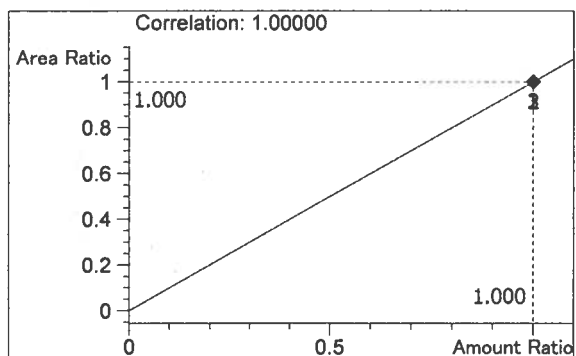


#	Compound	Peak Area	RT (min)
1	Ethanol	1175	1.053
2	n-Propanol	2590	1.730



Ethanol 0.101 g/100mL

14029

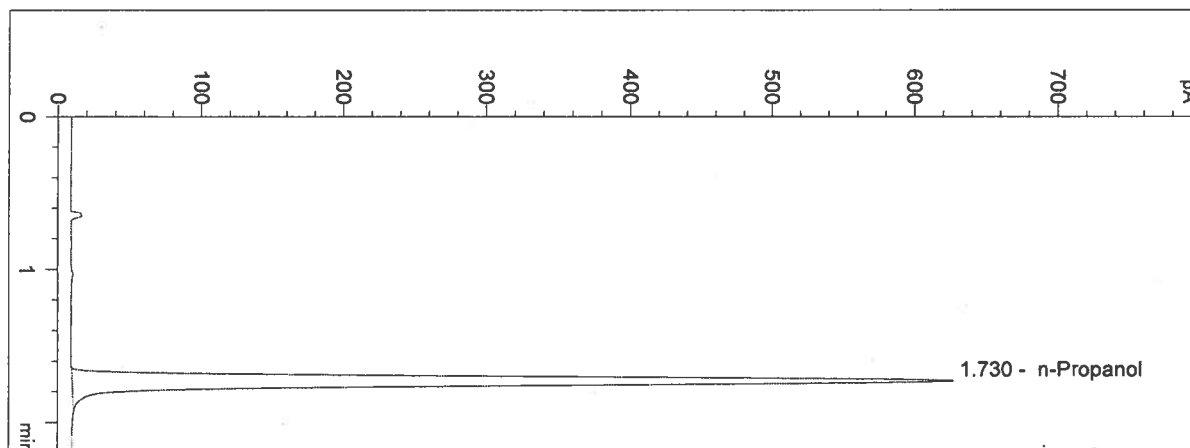


n-Propanol 0.012 g/100mL

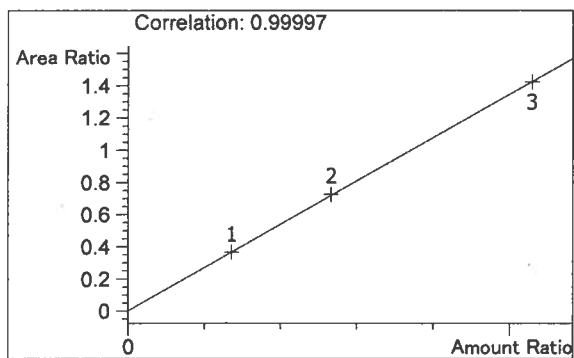
KK

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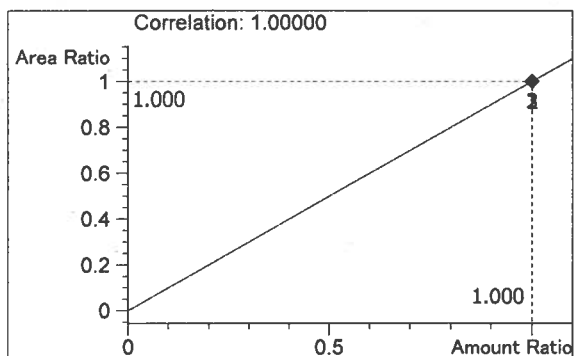
Inj. Date: 7/25/2014 4:19:09 PM Sample Name: NEG CTRL  
Instrument: HSGC 1 Operator: Katie Knorr  
Column: DB-ALC1 Location: Vial 37  
Method: C:\CHEM32\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2469	1.730



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14029

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Sequence Parameters:

Sequence : C:\CHEM32\1\SEQUENCE\JKQAP.S  
 Operator : Justin Knoy  
 Data File Naming : Auto  
 Data Directory : C:\Chem32\1\DATA\  
 Data Subdirectory : 140805JK  
 Part of Methods to run : According to Runtime Checklist  
 Barcode Reader : not used  
 Shutdown Cmd/Macro : none  
 Sequence Comment :  
 CAL 1: 0.079 g/100 mL - Lot: E0414-01 - exp: 10/15/14  
 CAL 2: 0.158 g/100 mL - Lot: E0414-02 - exp: 10/15/14  
 CAL 3: 0.316 g/100 mL - Lot: E0414-03 - exp: 10/15/14  
 CTRL 1: 0.04 g/100 mL - Lot: FN05011301 - exp: 5/2018  
 CTRL 2: 0.10 g/100 mL - Lot: FN08051301 - exp: 10/2018  
 CTRL 3: 0.20 g/100 mL - Lot: FN100511-01 - exp: 10/2016  
 n-Propanol: Lot: P0514 - exp: 8/27/2014

14026  
 14027  
 - 14028  
 14029  
 14030

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
1	Vial 1	BLANK	SIMALC1	1	Sample	
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib	
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib	
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib	
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp	
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp	
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp	
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp	

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
10	Vial 10	QAP 14026 #1	SIMALC1	1	Sample	
11	Vial 11	QAP 14026 #2	SIMALC1	1	Sample	
12	Vial 12	QAP 14026 #3	SIMALC1	1	Sample	
13	Vial 13	QAP 14026 #4	SIMALC1	1	Sample	
14	Vial 14	QAP 14026 #5	SIMALC1	1	Sample	
15	Vial 15	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp	
17	Vial 17	QAP 14027 #1	SIMALC1	1	Sample	
18	Vial 18	QAP 14027 #2	SIMALC1	1	Sample	
19	Vial 19	QAP 14027 #3	SIMALC1	1	Sample	
20	Vial 20	QAP 14027 #4	SIMALC1	1	Sample	14026
21	Vial 21	QAP 14027 #5	SIMALC1	1	Sample	14027
22	Vial 22	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	14028
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp	14029
24	Vial 24	QAP 14028 #1	SIMALC1	1	Sample	
25	Vial 25	QAP 14028 #2	SIMALC1	1	Sample	14030
26	Vial 26	QAP 14028 #3	SIMALC1	1	Sample	
27	Vial 27	QAP 14028 #4	SIMALC1	1	Sample	
28	Vial 28	QAP 14028 #5	SIMALC1	1	Sample	
29	Vial 29	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp	
31	Vial 31	QAP 14029 #1	SIMALC1	1	Sample	
32	Vial 32	QAP 14029 #2	SIMALC1	1	Sample	
33	Vial 33	QAP 14029 #3	SIMALC1	1	Sample	
34	Vial 34	QAP 14029 #4	SIMALC1	1	Sample	
35	Vial 35	QAP 14029 #5	SIMALC1	1	Sample	
36	Vial 36	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp	
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp	

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
38	Vial 38	QAP 14030 #1	SIMALC1	1	Sample	
39	Vial 39	QAP 14030 #2	SIMALC1	1	Sample	
40	Vial 40	QAP 14030 #3	SIMALC1	1	Sample	
41	Vial 41	QAP 14030 #4	SIMALC1	1	Sample	
42	Vial 42	QAP 14030 #5	SIMALC1	1	Sample	
43	Vial 43	CTRL 2 (0.10)	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	CAL 1 (0.079)	SIMALC1	1	Replace	Replace	
3	Vial 3	CAL 2 (0.158)	SIMALC1	2	Replace	Replace	
4	Vial 4	CAL 3 (0.316)	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

1 4 0 2 6

1 4 0 2 7

1 4 0 2 8

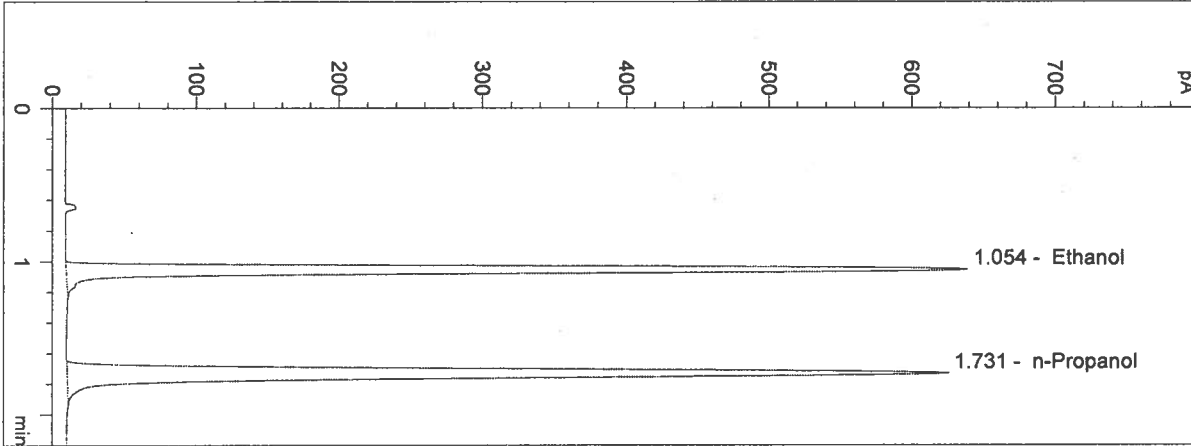
1 4 0 2 9

1 4 0 3 0

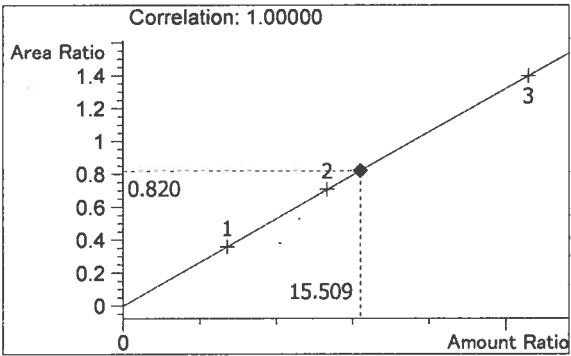
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/5/2014      2:49:01 PM      Sample Name: QAP 14029 #1  
Instrument: HSGC 1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 31  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

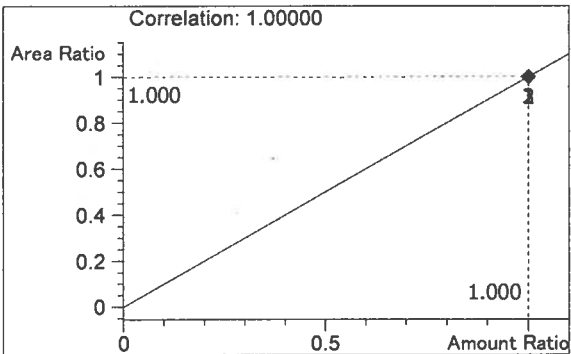
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2019	1.054
2	n-Propanol	2461	1.731



Ethanol      0.186 g/100mL



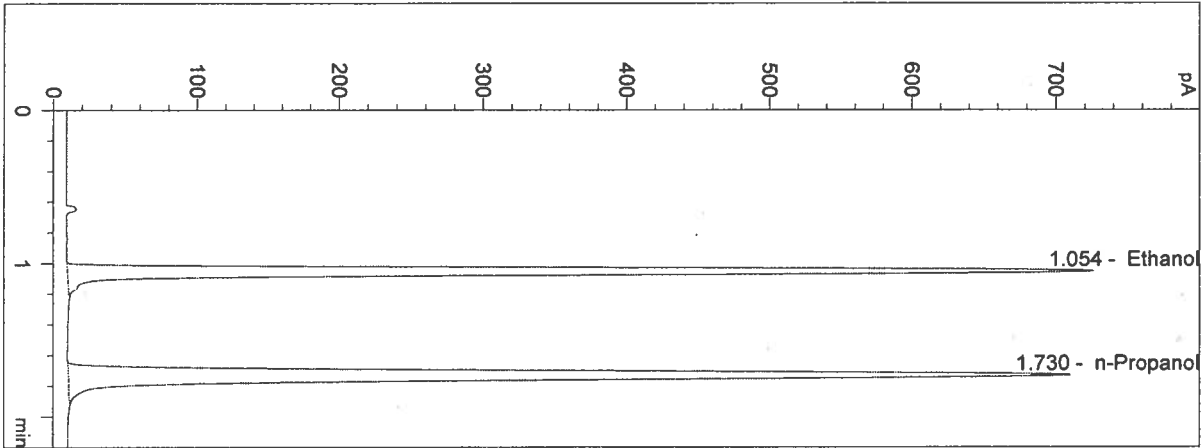
n-Propanol      0.012 g/100mL



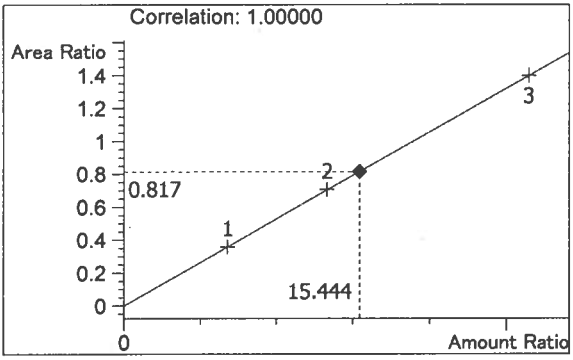
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/5/2014      2:52:14 PM      Sample Name: QAP 14029 #2  
 Instrument: HSGC 1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 32  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M

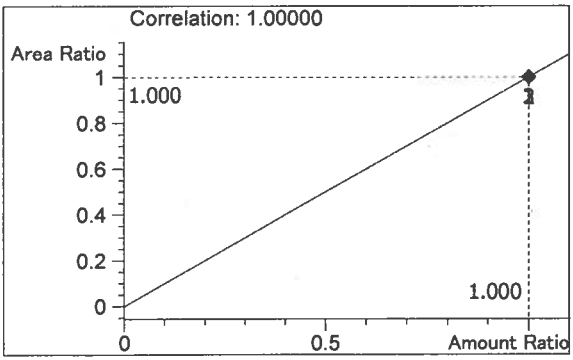
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2272	1.054
2	n-Propanol	2781	1.730



Ethanol      0.185 g/100mL



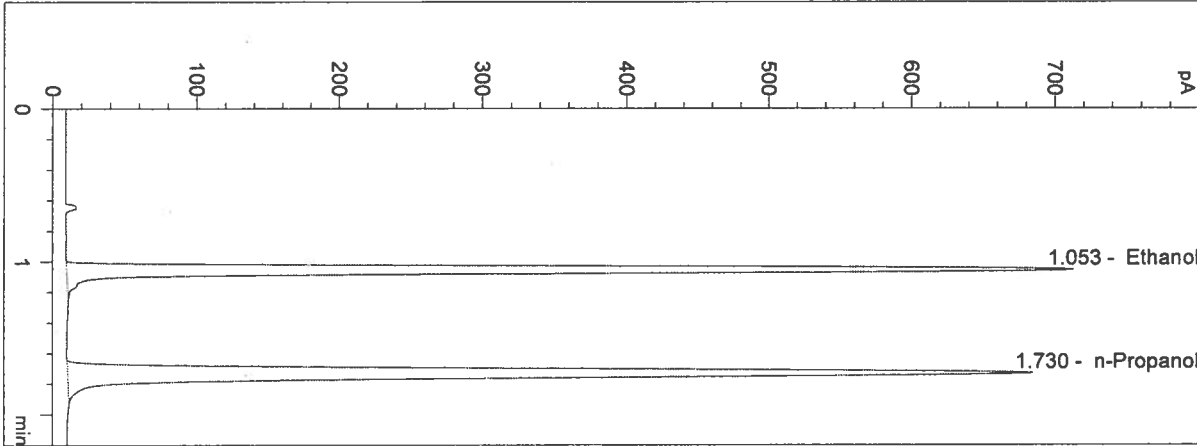
n-Propanol      0.012 g/100mL

*Handwritten signature*

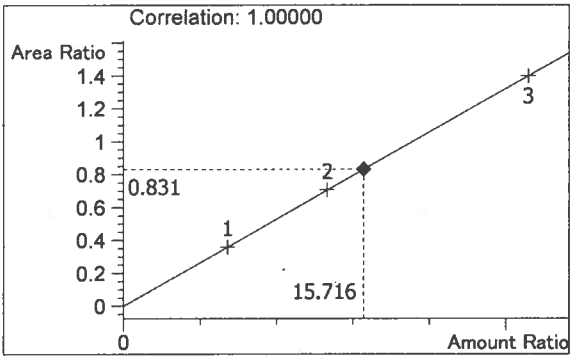
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/5/2014 2:55:29 PM Sample Name: QAP 14029 #3  
Instrument: HSGC 1 Operator: Justin Knoy  
Column: DB-ALC1 Location: Vial 33  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

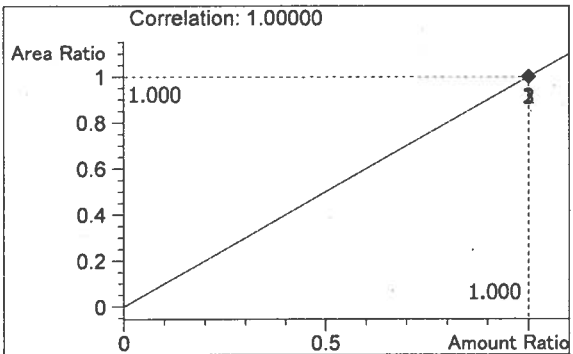
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2224	1.053
2	n-Propanol	2675	1.730



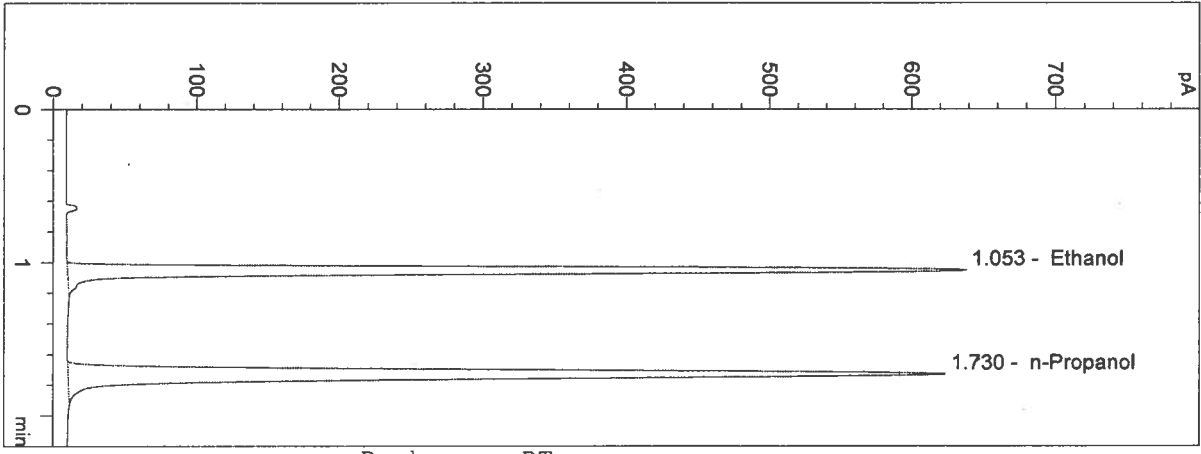
Ethanol 0.189 g/100mL



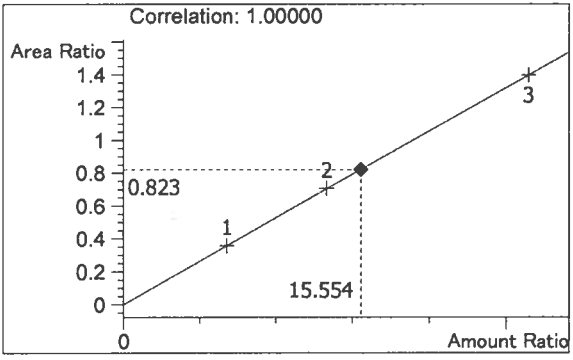
n-Propanol 0.012 g/100mL

Inj. Date: 8/5/2014      2:58:42 PM      Sample Name: QAP 14029 #4  
 Instrument: HSGC 1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 34  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M

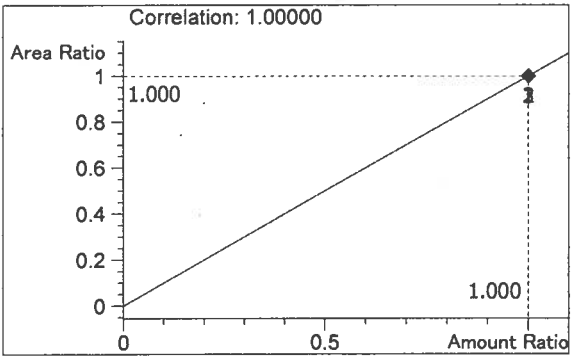
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2014	1.053
2	n-Propanol	2448	1.730



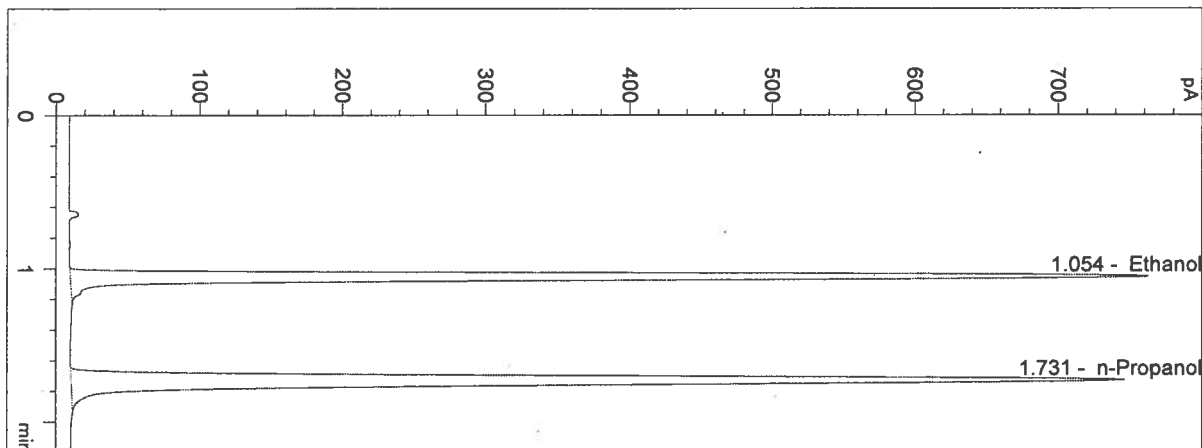
Ethanol      0.187 g/100mL



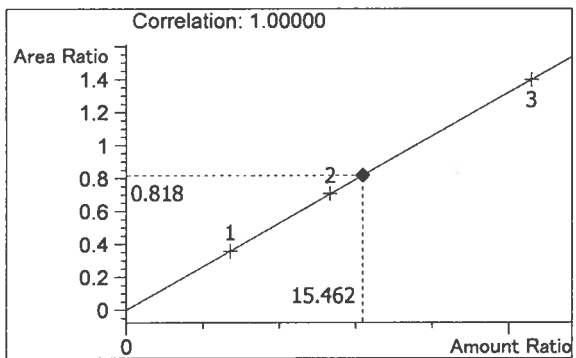
n-Propanol      0.012 g/100mL

Inj. Date: 8/5/2014      3:01:55 PM      Sample Name: QAP 14029 #5  
 Instrument: HSGC 1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 35  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M

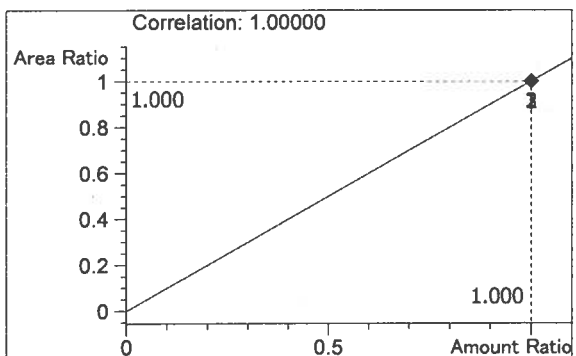
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2388	1.054
2	n-Propanol	2919	1.731



Ethanol      0.186 g/100mL

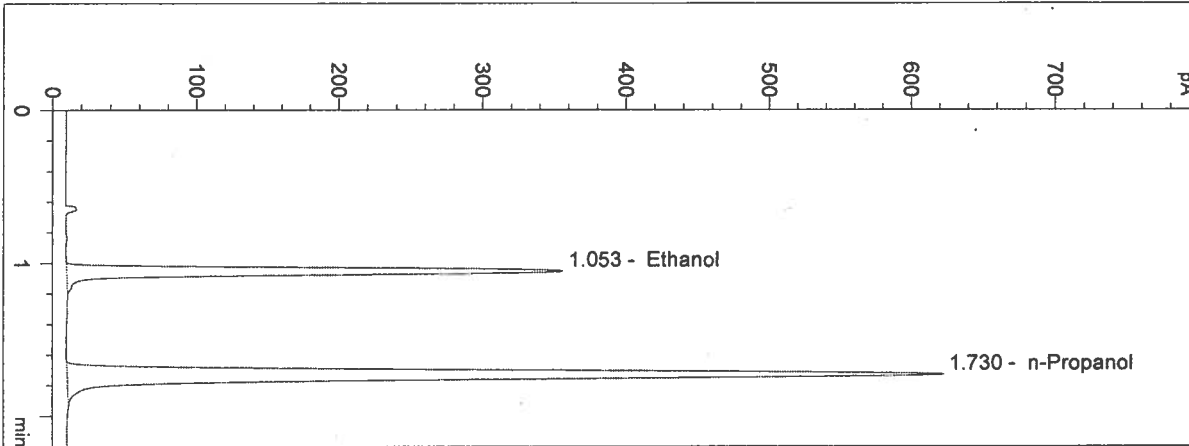


n-Propanol      0.012 g/100mL

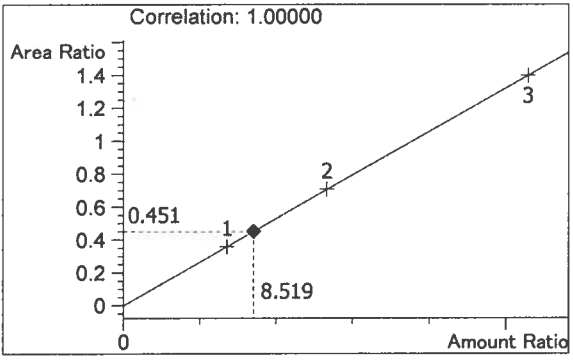
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/5/2014      3:05:08 PM      Sample Name: CTRL 2 (0.10)  
 Instrument: HSGC 1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 36  
 Method: C:\CHEM32\1\METHODS\SIMALC1.M

Sample Info:

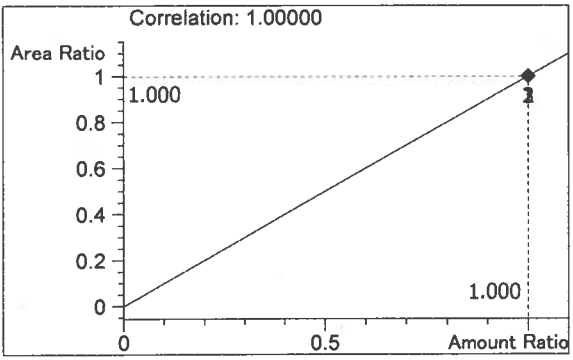


#	Compound	Peak Area	RT (min)
1	Ethanol	1101	1.053
2	n-Propanol	2441	1.730



Ethanol      0.102 g/100mL

14029

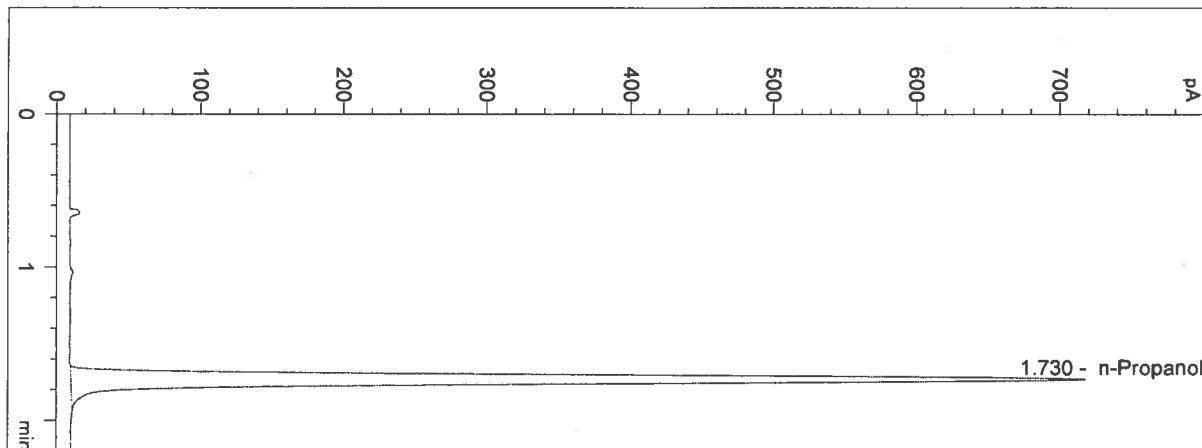


n-Propanol      0.012 g/100mL

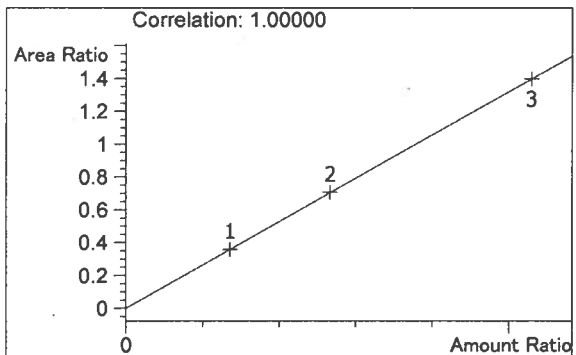
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 8/5/2014 3:08:22 PM Sample Name: NEG CTRL  
Instrument: HSGC 1 Operator: Justin Knoy  
Column: DB-ALC1 Location: Vial 37  
Method: C:\CHEM32\1\METHODS\SIMALC1.M

Sample Info:

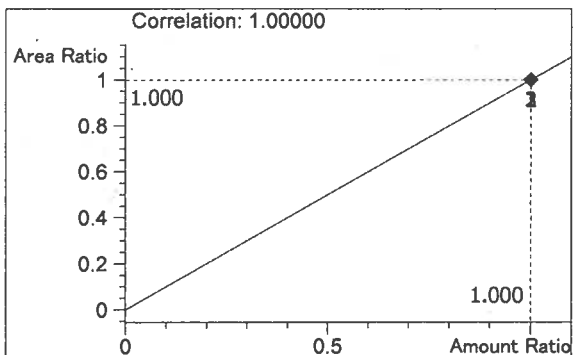


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2812	1.730



Ethanol 0.000 g/100mL

14029



n-Propanol 0.012 g/100mL