



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 14051**

**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: 10/01/2014  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Katie Knorr

	KK	JLK	RF
1	0.190	0.189	0.187
2	0.190	0.190	0.188
3	0.187	0.190	0.188
4	0.192	0.190	0.191
5	0.192	0.190	0.188
C	0.102	0.102	0.103

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

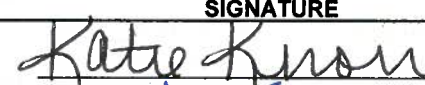
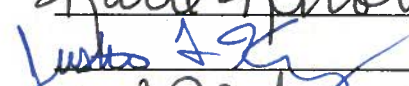

AVERAGE SOLUTION CONCENTRATION: 0.1895 g/100mL PRECISION CV (%): 0.84  
STANDARD DEVIATION: 0.00160 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1540 g/210L  
EXPANDED UNCERTAINTY: ± 0.0034 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

10/14/14  
\_\_\_\_\_  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
KK	Katie Knorr		10/01/2014
JLK	Justin L. Knoy		10/09/2014
RF	Rebecca Flaherty		10/10/2014

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

QAP Solution Batch #: 14051

Date Prepared: 10/1/2014

Analyst:	KK	JLK	RF
Date Tested:	10/1/2014	10/9/2014	10/10/2014
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.190	0.189	0.187
2	0.190	0.190	0.188
3	0.187	0.190	0.188
4	0.192	0.190	0.191
5	0.192	0.190	0.188
C	0.102	0.102	0.103

CV <sup>2</sup> <sub>COA</sub>	CV <sup>2</sup> <sub>QAP Solution</sub>	CV <sup>2</sup> <sub>Control</sub>	CV <sup>2</sup> <sub>Part Coef</sub>
0.0000084100	0.0000047401	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.1895 g/100mL

Standard Deviation: 0.00160 g/100mL

Precision CV (%): 0.84

Equivalent Vapor Concentration: 0.1540 g/210L

Combined Standard Uncertainty (±): 0.0017 g/210L

Expanded Uncertainty (±): 0.0034 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 10/13/14  
Name Signature Date

Calculations verified by: Amenda M. Black [Signature] 10-13-2014  
Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 10/13/14  
Name Signature Date

[Signature]

# SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black

Date: 10-13-2014

Location: WSP-FLSB Seattle, WA

Solution Batch Number: 14051

	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: 10-13-2014

Reviewer Signature: N/A 08 10-13-14

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		
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston		
Dawn Sklerov		
Justin Knoy	JK	10.13.14
Katie Knorr	PK	10/13/14
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty	RF	10/13/14

Batch # 14051 to 10/13/14

*fu*

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 14051**

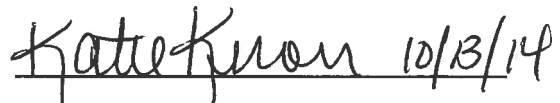
I, Katie Knorr, do certify under penalty of perjury that:

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 14051, was prepared in the Washington State Toxicology Laboratory on 10/1/2014. 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 10/1/2015.

Seattle, WA

 10/13/14

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 14051**

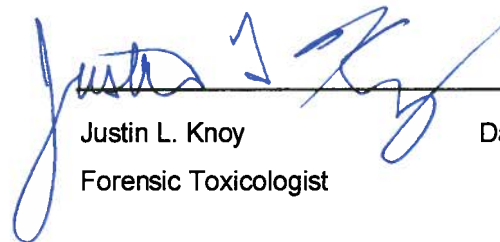
I, Justin L. Knoy, do certify under penalty of perjury that:


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 14051, was prepared in the Washington State Toxicology Laboratory on 10/1/2014. 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 10/1/2015.

Seattle, WA

  
Justin L. Knoy  
Forensic Toxicologist

  
Date

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 14051**

I, Rebecca Flaherty, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 14051, was prepared in the Washington State Toxicology Laboratory on 10/1/2014. 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 10/1/2015.

Seattle, WA

 10/13/2014

Rebecca Flaherty

Date

Forensic Toxicologist



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

Preparation Date: 10/1/14 Expiration Date: 10/1/15 Initials of Preparer: KK

Lot # of 200-proof Ethanol used in preparation: 20K0002

Date the 200-proof Ethanol bottle was opened: 9/29/14

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.

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>14049</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>14050</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u>          </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>14051</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>14052</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

10/1/14  
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:

Katie Knowlton  
Analyst Signature

10/1/14  
Date

*KK*



Sequence Parameters:

Operator: Katie Knorr  
 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: 141001KK  
 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 2/19/2015  
 CAL 2 (0.158g/100mL) - LOT# E0814-02 - EXP 2/19/2015  
 CAL 3 (0.316g/100mL) - LOT# E0814-03 - EXP 2/19/2015  
 n-Propranol ISTD - LOT# P0814 - 10/30/2014  
 CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 05/2018  
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018  
 CTRL 3 (0.20g/100mL) - LOT# FN03211401 - EXP 06/2019

*KK 10/13/14*

*Calibration filed with batch 14049 on 10/13/14*

14051

*on 10/13/14*

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	14049-1	SIMALC1	1	Sample		
11	Vial 11	14049-2	SIMALC1	1	Sample		
12	Vial 12	14049-3	SIMALC1	1	Sample		
13	Vial 13	14049-4	SIMALC1	1	Sample		
14	Vial 14	<del>14-049-5</del> 14049-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL <i>KK</i>	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL <i>10/2/14</i>	SIMALC1	1	Ctrl Samp		
17	Vial 17	14050-1	SIMALC1	1	Sample		
18	Vial 18	14050- <del>2</del> <i>KK 10/13/14</i>	SIMALC1	1	Sample		
19	Vial 19	14050-3	SIMALC1	1	Sample		
20	Vial 20	14050-4	SIMALC1	1	Sample		
21	Vial 21	14050-5	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	14051-1	SIMALC1	1	Sample		
25	Vial 25	14051-2	SIMALC1	1	Sample		
26	Vial 26	14051-3	SIMALC1	1	Sample		
27	Vial 27	14051-4	SIMALC1	1	Sample		
28	Vial 28	14051-5	SIMALC1	1	Sample		

*h*

*KK*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
29	Vial 29	0.10CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	14052-1	SIMALC1	1	Sample		
32	Vial 32	14052-2	SIMALC1	1	Sample		
33	Vial 33	14052-3	SIMALC1	1	Sample		
34	Vial 34	14052-4	SIMALC1	1	Sample		
35	Vial 35	14052-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	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!

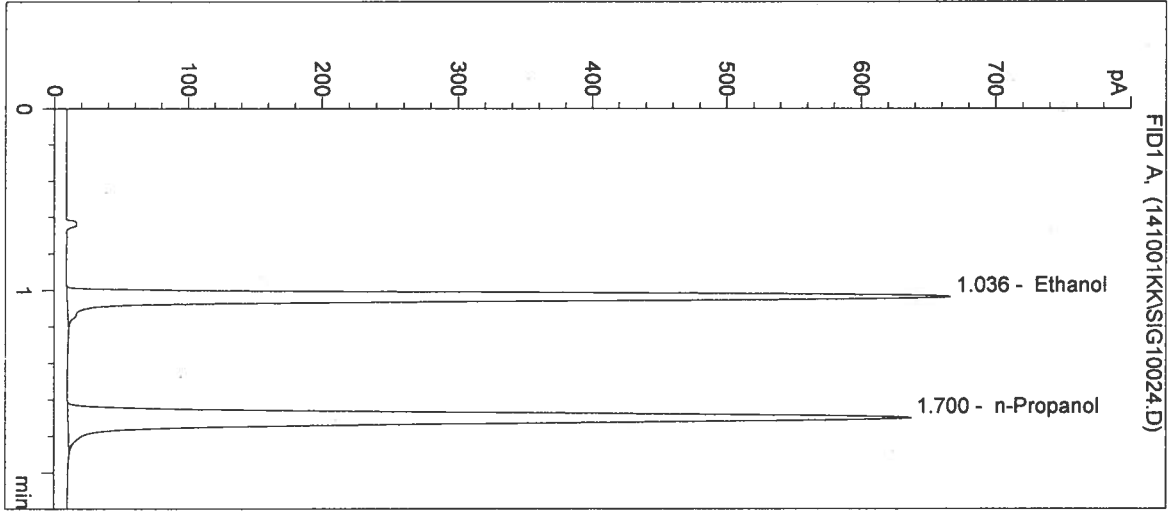
14051  
2/10/14

*JK*

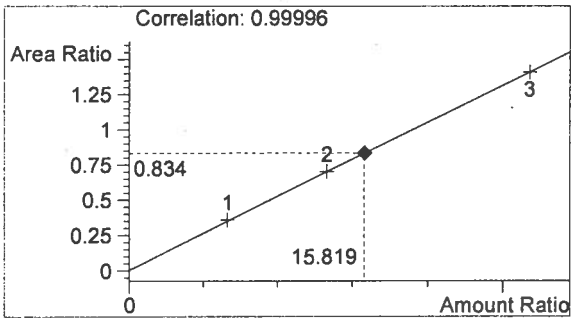
*KK*

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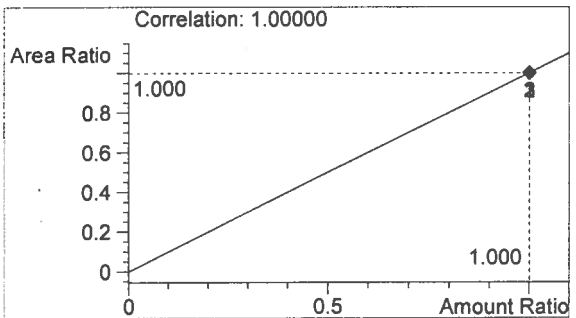
Inj. Date: 10/1/2014 1:51:07 PM      Sample Name: 14051-1  
 Instrument: HSGC#1      Operator: Katie Knorr  
 Column: DB-ALC1      Location: Vial 24  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2062	1.036
2	n-Propanol	2473	1.700



Ethanol      0.190 g/100mL



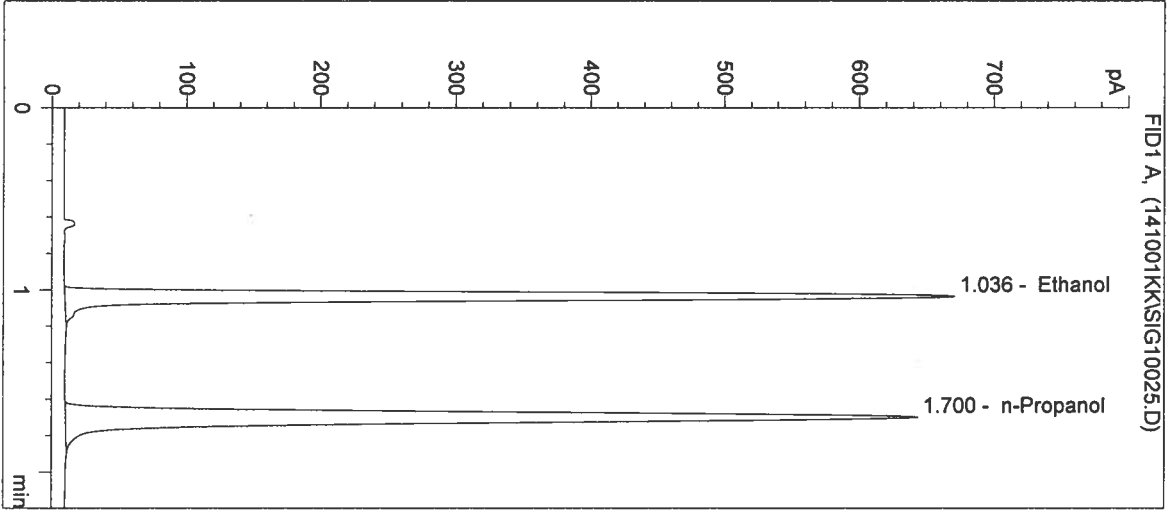
n-Propanol      0.012 g/100mL

*Handwritten signature*

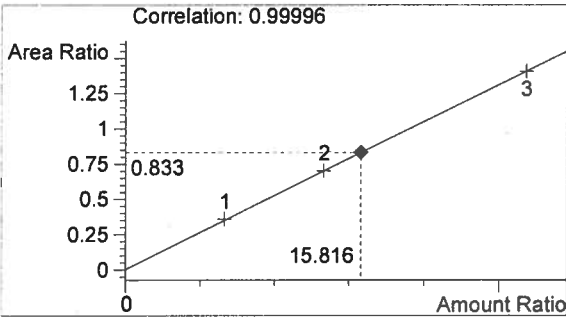
*KK*

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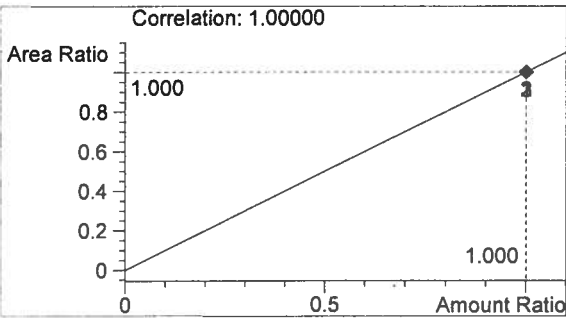
Inj. Date: 10/1/2014 1:54:20 PM      Sample Name: 14051-2  
Instrument: HSGC#1      Operator: Katie Knorr  
Column: DB-ALC1      Location: Vial 25  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2083	1.036
2	n-Propanol	2499	1.700



Ethanol      0.190 g/100mL

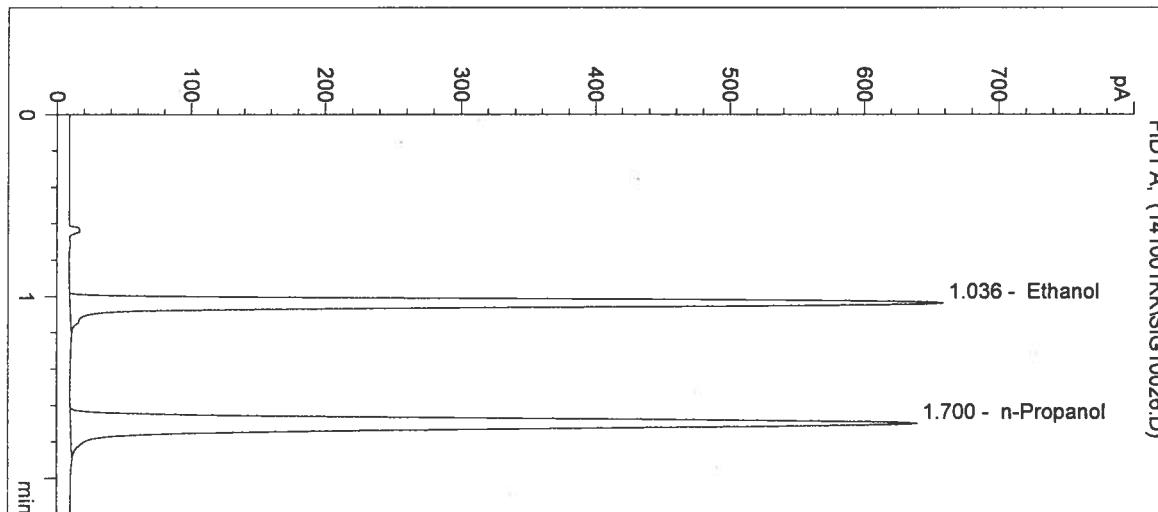


n-Propanol      0.012 g/100mL

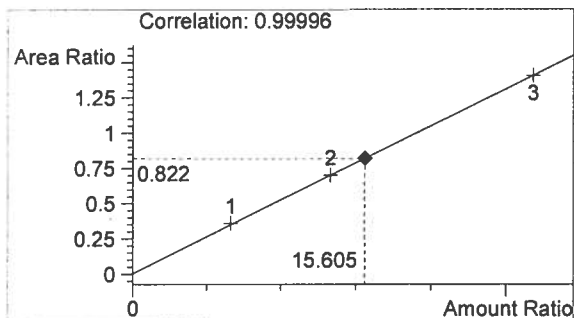
*f*

KK

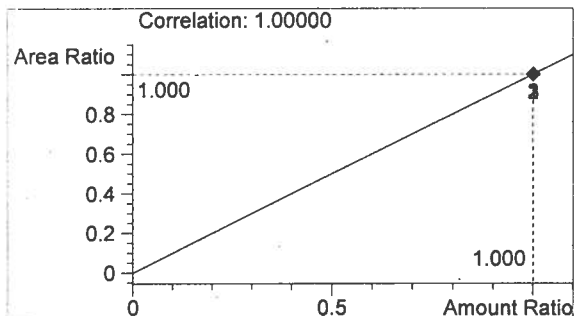
Inj. Date: 10/1/2014 1:57:33 PM      Sample Name: 14051-3  
 Instrument: HSGC#1      Operator: Katie Knorr  
 Column: DB-ALC1      Location: Vial 26  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2039	1.036
2	n-Propanol	2480	1.700



Ethanol      0.187 g/100mL



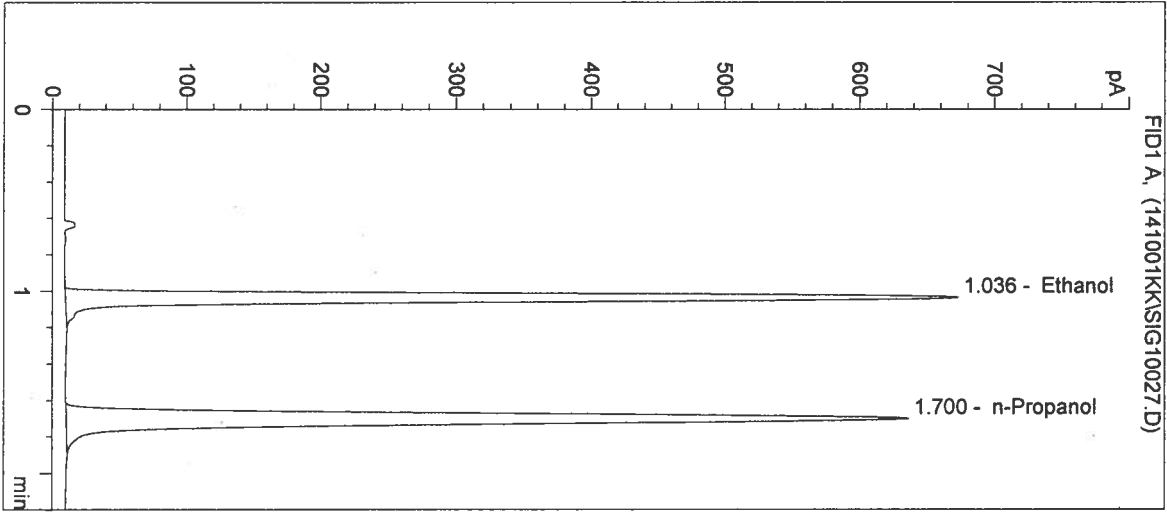
n-Propanol      0.012 g/100mL

*f*

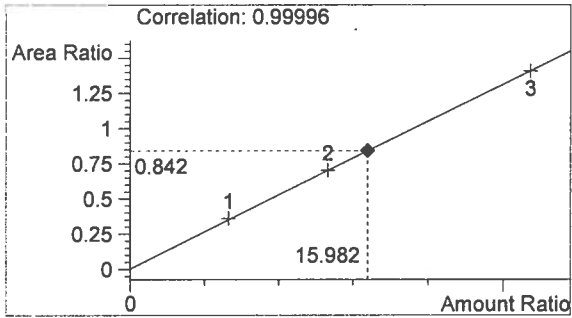
KK

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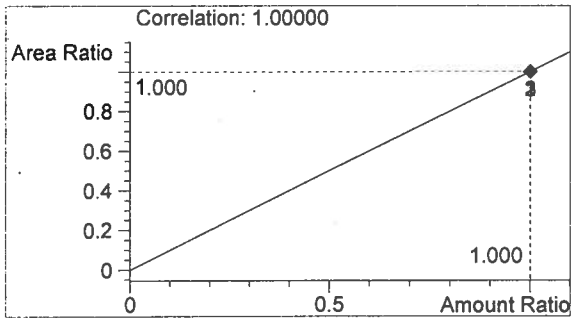
Inj. Date: 10/1/2014 2:00:46 PM      Sample Name: 14051-4  
 Instrument: HSGC#1      Operator: Katie Knorr  
 Column: DB-ALC1      Location: Vial 27  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2078	1.036
2	n-Propanol	2467	1.700



Ethanol      0.192 g/100mL

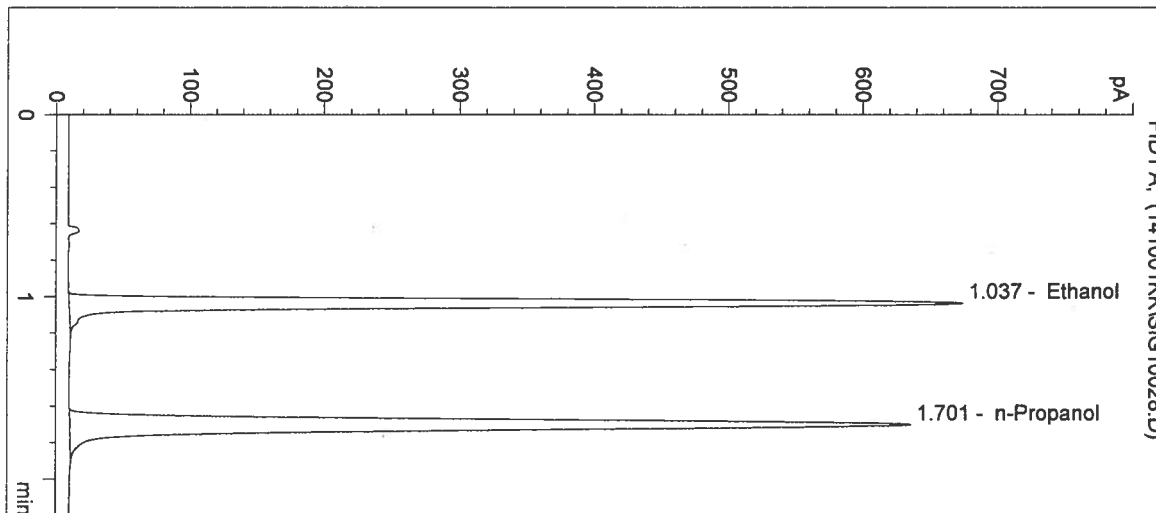


n-Propanol      0.012 g/100mL

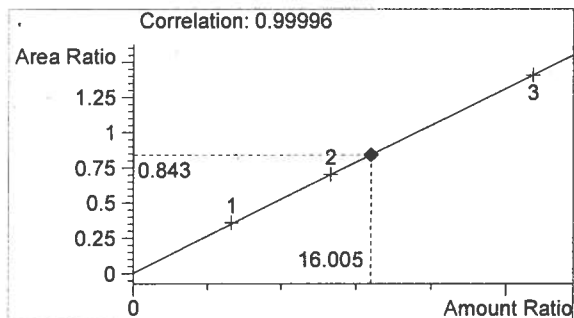
*h*

*KK*

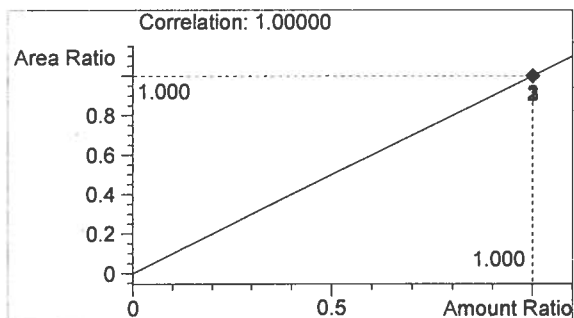
Inj. Date: 10/1/2014 2:03:59 PM      Sample Name: 14051-5  
 Instrument: HSGC#1      Operator: Katie Knorr  
 Column: DB-ALC1      Location: Vial 28  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2076	1.037
2	n-Propanol	2462	1.701



Ethanol      0.192 g/100mL



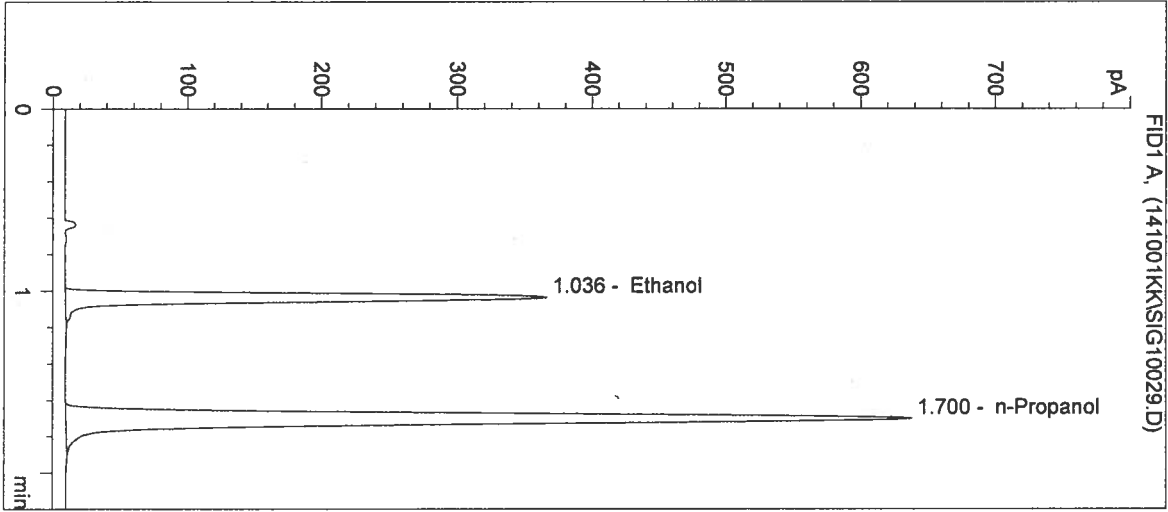
n-Propanol      0.012 g/100mL

*fm*

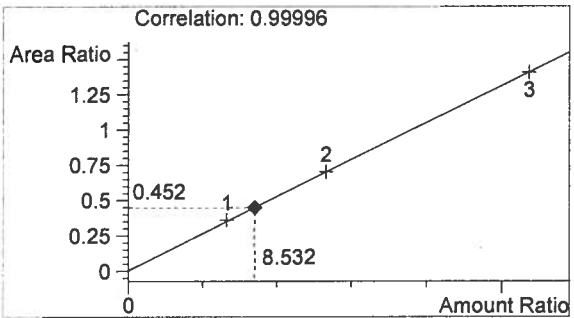
*KK*

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

Inj. Date: 10/1/2014 2:07:13 PM      Sample Name: 0.10CTRL  
 Instrument: HSGC#1      Operator: Katie Knorr  
 Column: DB-ALC1      Location: Vial 29  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

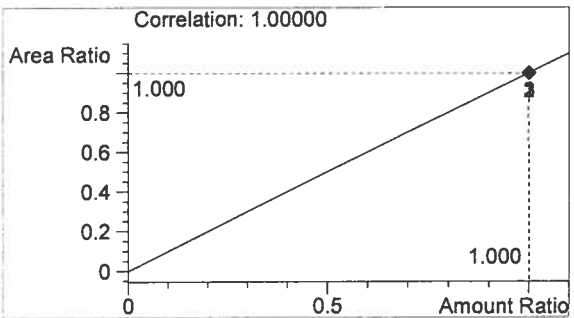


#	Compound	Peak Area	RT (min)
1	Ethanol	1118	1.036
2	n-Propanol	2472	1.700



Ethanol      0.102 g/100mL

14051  
 10/1/14



n-Propanol      0.012 g/100mL

*Handwritten signature*

KK



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

Inj. Date: 10/1/2014 2:10:26 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

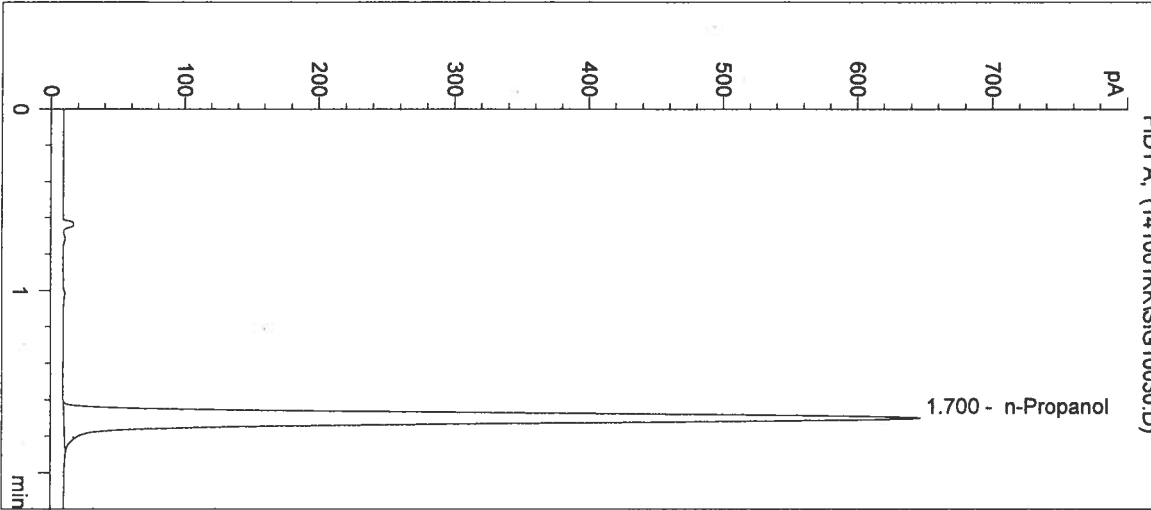
Operator: Katie Knorr

Column: DB-ALC1

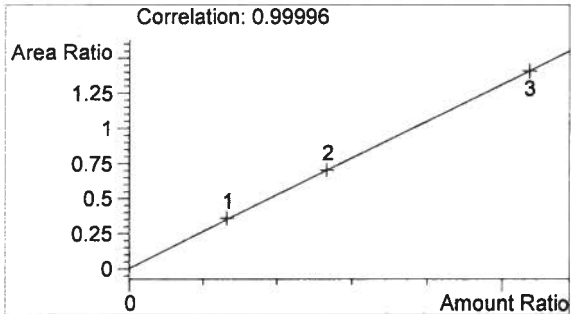
Location: Vial 30

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

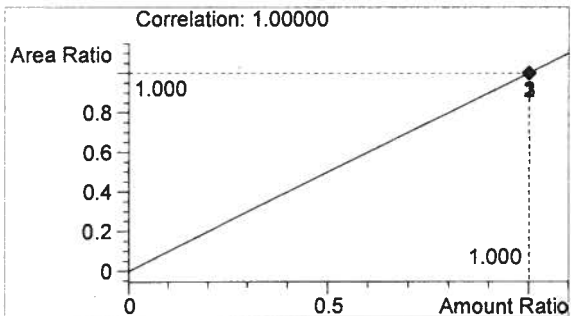
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2503	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14051  
 21.10/13/14

*h*

KK

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: 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 filed with batch 14049 on 10/13/14*

*14051  
 on 10/13/14*

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 JK	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - JK	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - JK	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - JK	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
10	Vial 10	14049-1	SIMALC1	1	Sample		
11	Vial 11	14049-2	SIMALC1	1	Sample		
12	Vial 12	14049-3	SIMALC1	1	Sample		
13	Vial 13	14049-4	SIMALC1	1	Sample		
14	Vial 14	14049-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
17	Vial 17	14050-1	SIMALC1	1	Sample		
18	Vial 18	14050-2	SIMALC1	1	Sample		
19	Vial 19	14050-3	SIMALC1	1	Sample		
20	Vial 20	14050-4	SIMALC1	1	Sample		
21	Vial 21	14050-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
24	Vial 24	14051-1	SIMALC1	1	Sample		
25	Vial 25	14051-2	SIMALC1	1	Sample		
26	Vial 26	14051-3	SIMALC1	1	Sample		
27	Vial 27	14051-4	SIMALC1	1	Sample		

*JK*

*JK*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
28	Vial 28	14051-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
31	Vial 31	14052-1	SIMALC1	1	Sample		
32	Vial 32	14052-2	SIMALC1	1	Sample		
33	Vial 33	14052-3	SIMALC1	1	Sample		
34	Vial 34	14052-4	SIMALC1	1	Sample		
35	Vial 35	14052-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL JK	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!

14051  
2/10/14

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

Inj. Date: 10/9/2014 12:36:58 PM

Sample Name: 14051-1

Instrument: HSGC#1

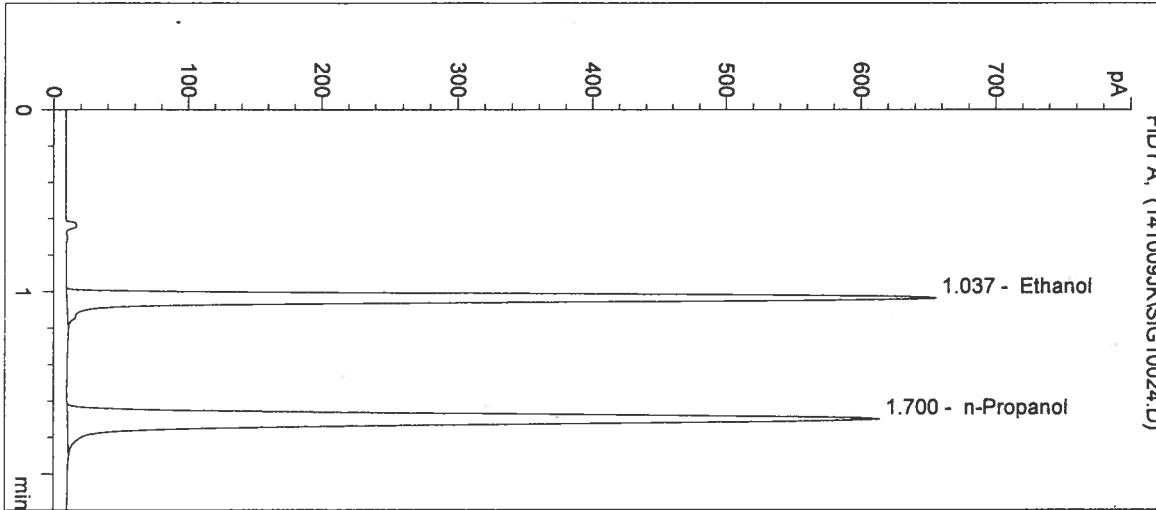
Operator: Justin Knoy

Column: DB-ALC1

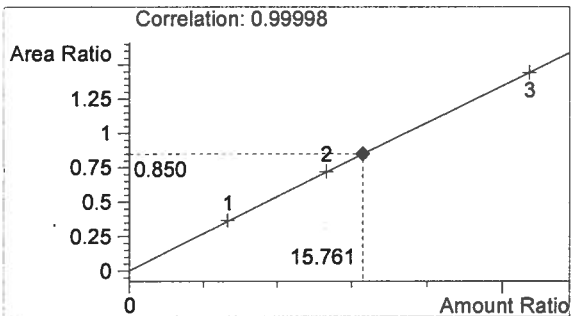
Location: Vial 24

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

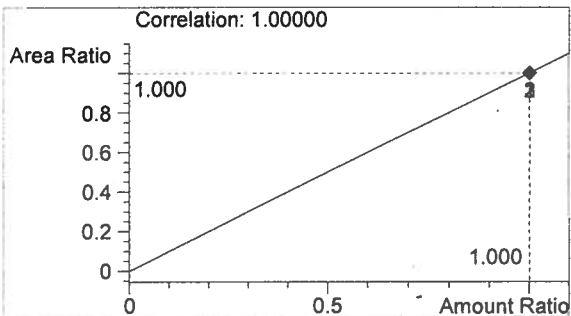
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2025	1.037
2	n-Propanol	2381	1.700



Ethanol 0.189 g/100mL



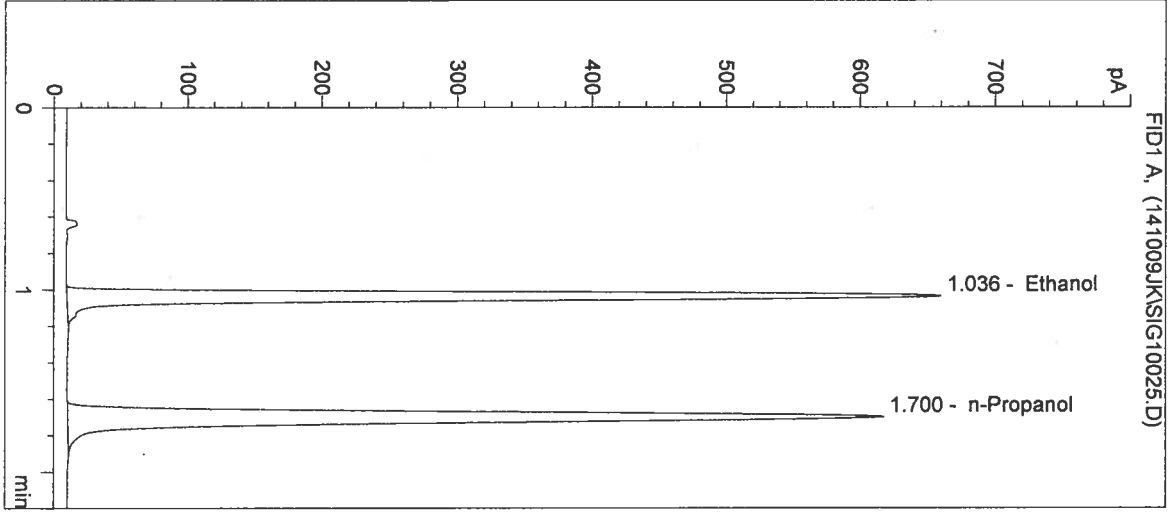
n-Propanol 0.012 g/100mL

*JK*

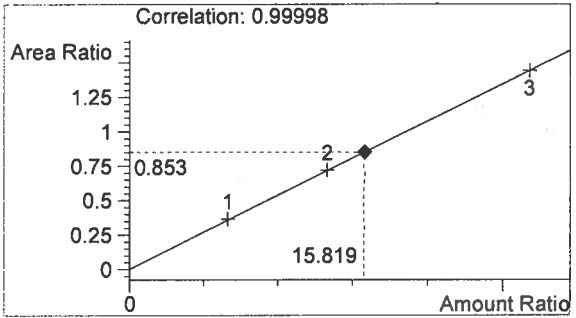
*JK*

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

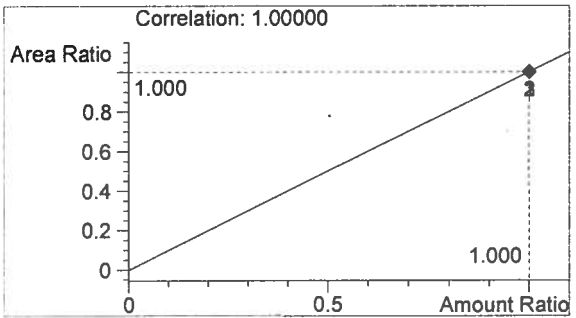
Inj. Date: 10/9/2014 12:40:11 PM      Sample Name: 14051-2  
 Instrument: HSGC#1      Operator: Justin Knoy  
 Column: DB-ALC1      Location: Vial 25  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2040	1.036
2	n-Propanol	2391	1.700



Ethanol      0.190 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 12:43:25 PM

Sample Name: 14051-3

Instrument: HSGC#1

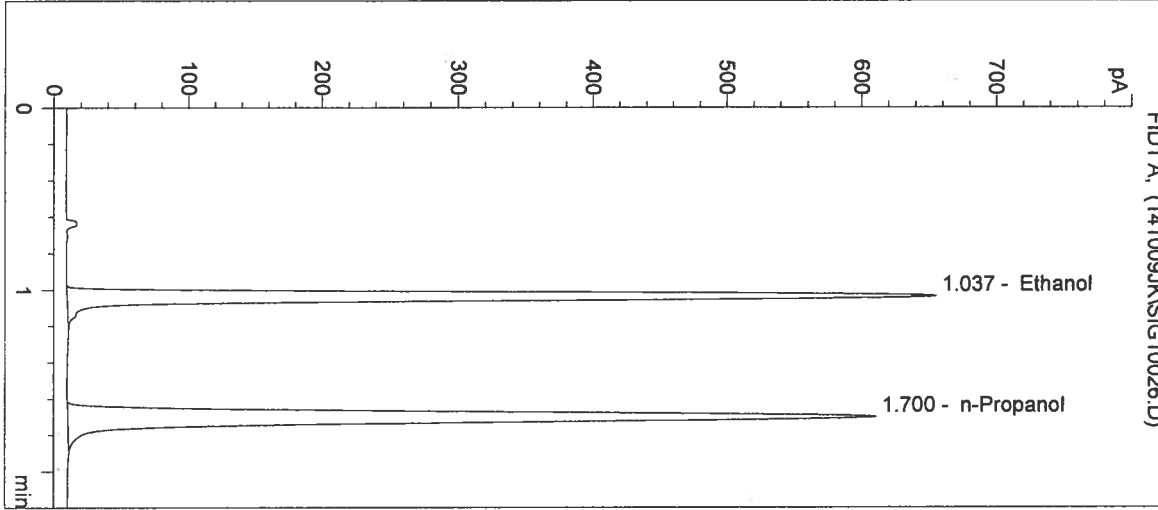
Operator: Justin Knoy

Column: DB-ALC1

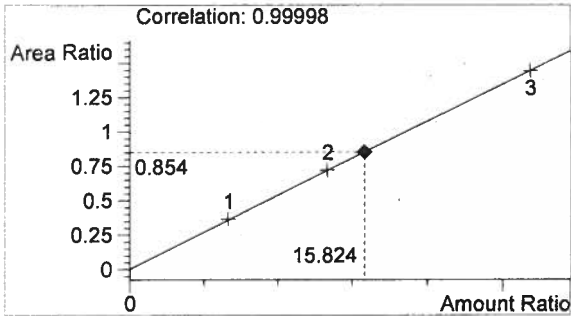
Location: Vial 26

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

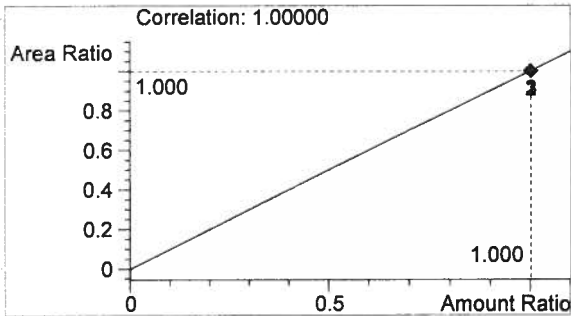
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2022	1.037
2	n-Propanol	2369	1.700



Ethanol 0.190 g/100mL



n-Propanol 0.012 g/100mL

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*[Signature]*

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

Inj. Date: 10/9/2014 12:46:37 PM

Sample Name: 14051-4

Instrument: HSGC#1

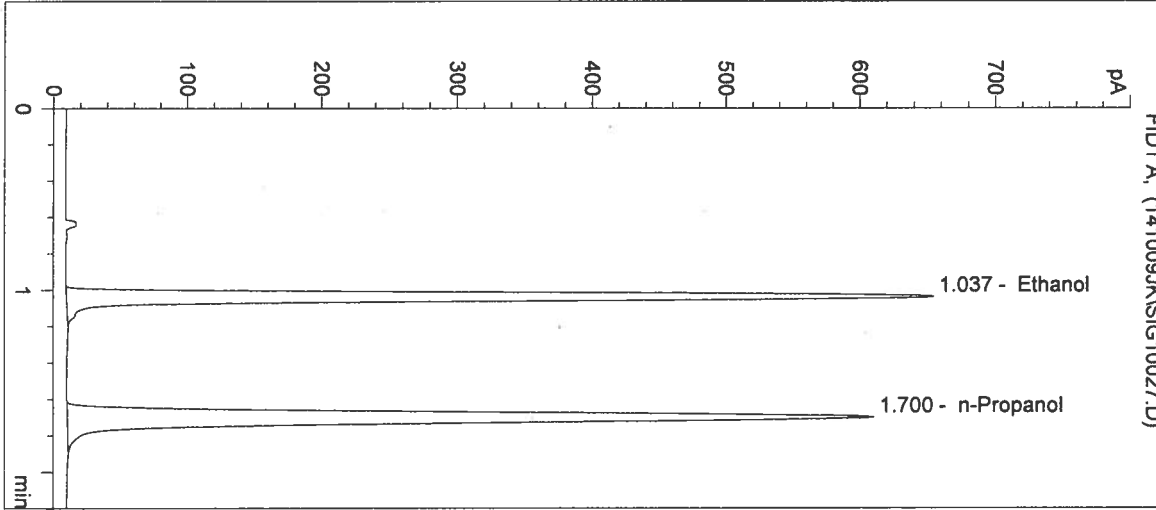
Operator: Justin Knoy

Column: DB-ALC1

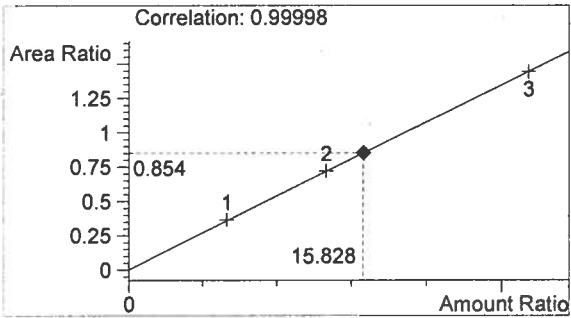
Location: Vial 27

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

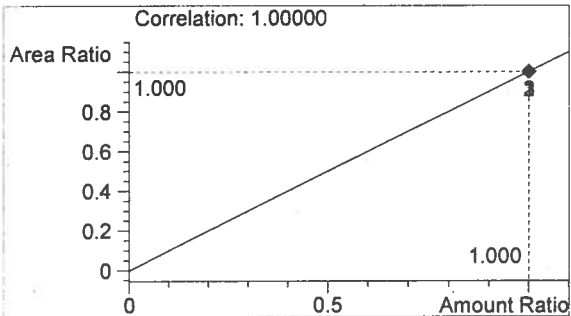
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2020	1.037
2	n-Propanol	2365	1.700



Ethanol 0.190 g/100mL



n-Propanol 0.012 g/100mL

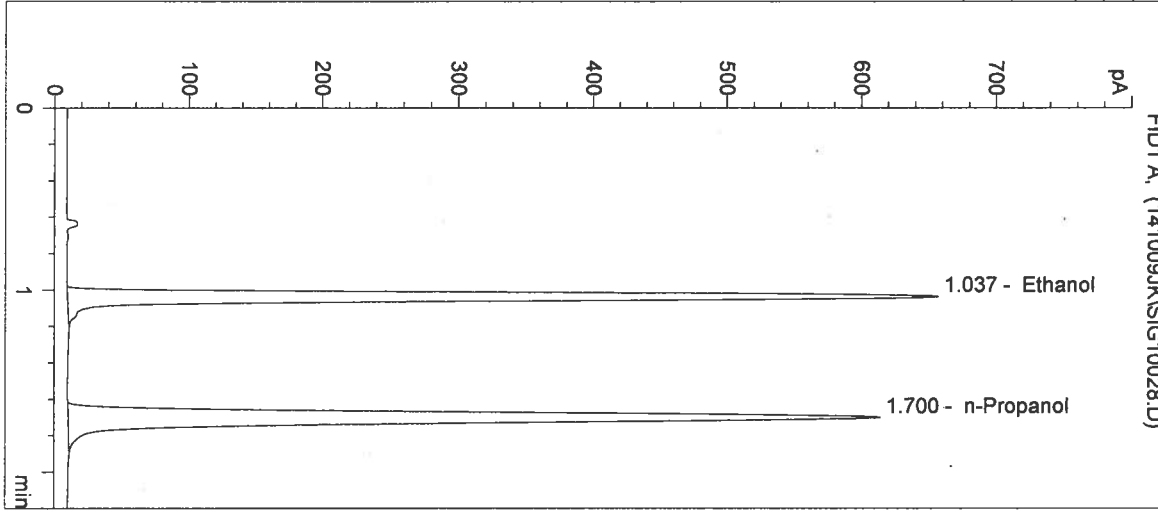
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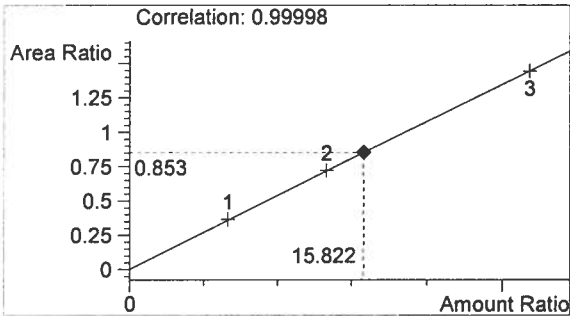
Inj. Date: 10/9/2014 12:49:51 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 14051-5  
 Operator: Justin Knoy  
 Location: Vial 28

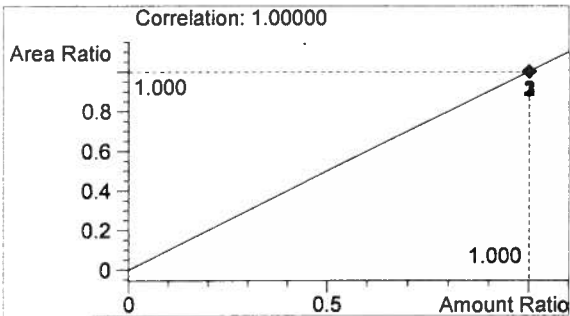
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2028	1.037
2	n-Propanol	2377	1.700



Ethanol 0.190 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

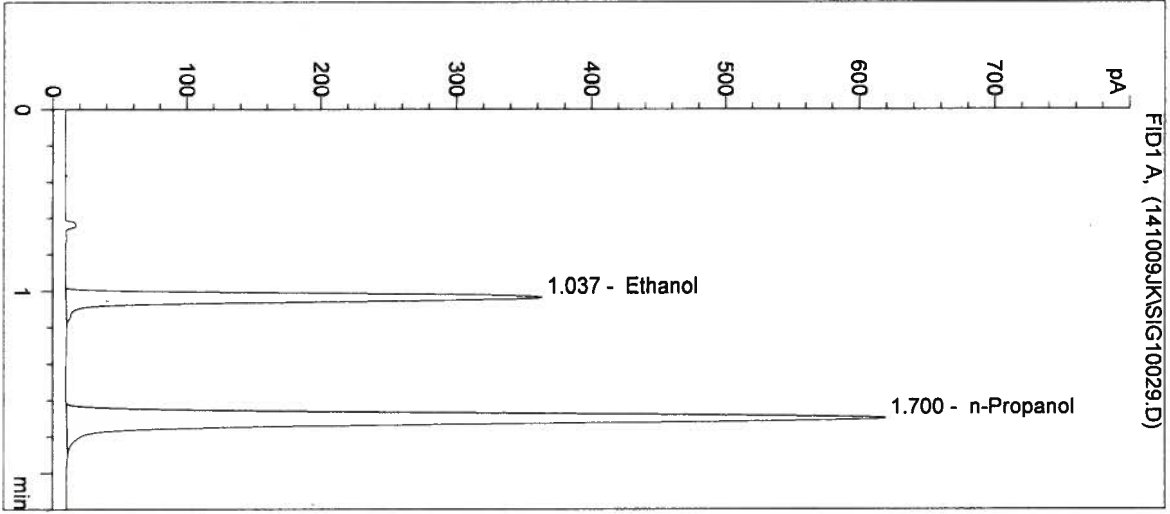


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 2203 Airport Way S Seattle, WA 98134

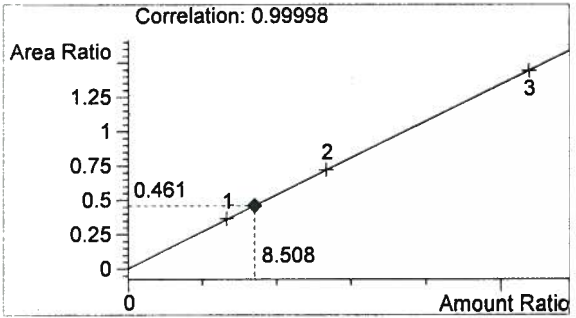
Inj. Date: 10/9/2014 12:53:05 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 0.10 CTRL JK  
 Operator: Justin Knoy  
 Location: Vial 29

Sample Info:

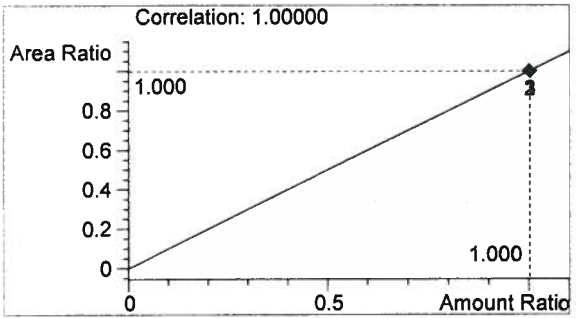


#	Compound	Peak Area	RT (min)
1	Ethanol	1106	1.037
2	n-Propanol	2398	1.700



Ethanol 0.102 g/100mL

14051  
 10/12/14



n-Propanol 0.012 g/100mL

*h*

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

Inj. Date: 10/9/2014 12:56:17 PM

Sample Name: NEG CTRL JK

Instrument: HSGC#1

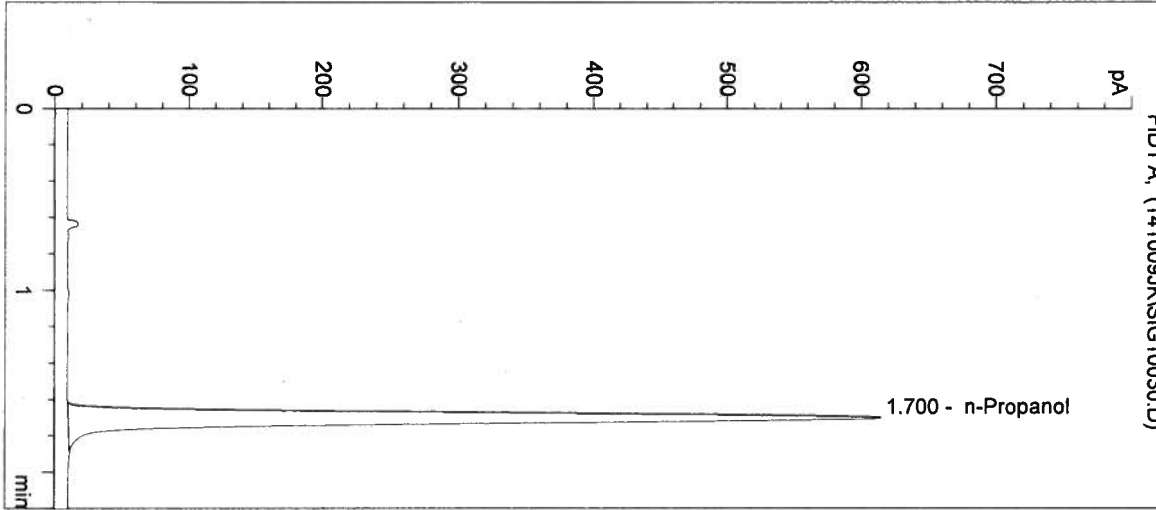
Operator: Justin Knoy

Column: DB-ALC1

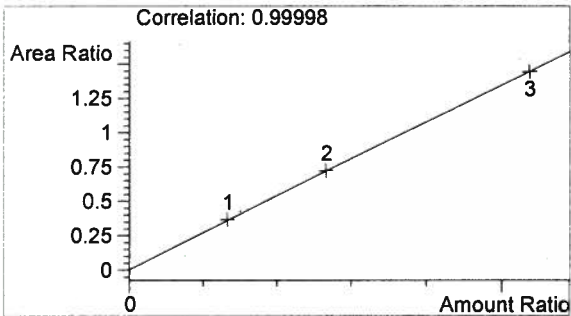
Location: Vial 30

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

Sample Info:

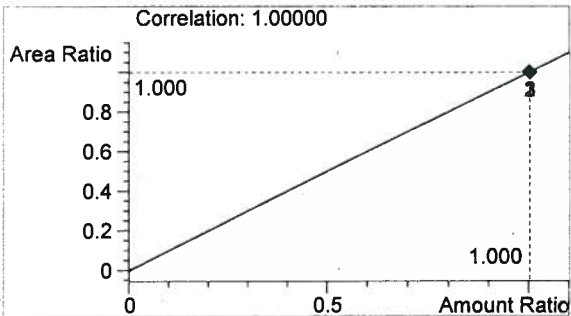


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2384	1.700



Ethanol 0.000 g/100mL

14051  
 10/13/14



n-Propanol 0.012 g/100mL

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Sequence Parameters:

Operator: Rebecca Flaherty  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 141010RF  
 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 14049.

14051  
 2/10/14

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	14049-1	SIMALC1	1	Sample		
11	Vial 11	14049-2	SIMALC1	1	Sample		
12	Vial 12	14049-3	SIMALC1	1	Sample		
13	Vial 13	14049-4	SIMALC1	1	Sample		
14	Vial 14	14049-5	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	14050-1	SIMALC1	1	Sample		
18	Vial 18	14050-2	SIMALC1	1	Sample		
19	Vial 19	14050-3	SIMALC1	1	Sample		
20	Vial 20	14050-4	SIMALC1	1	Sample		
21	Vial 21	14050-5	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	14051-1	SIMALC1	1	Sample		
25	Vial 25	14051-2	SIMALC1	1	Sample		
26	Vial 26	14051-3	SIMALC1	1	Sample		

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14051-4	SIMALC1	1	Sample		
28	Vial 28	14051-5	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	14052-1	SIMALC1	1	Sample		
32	Vial 32	14052-2	SIMALC1	1	Sample		
33	Vial 33	14052-3	SIMALC1	1	Sample		
34	Vial 34	14052-4	SIMALC1	1	Sample		
35	Vial 35	14052-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		

Sequence Table (Back Injector):

No entries - empty table!

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

Inj. Date: 10/10/2014 3:08:20 PM

Sample Name: 14051-1

Instrument: HSGC#1

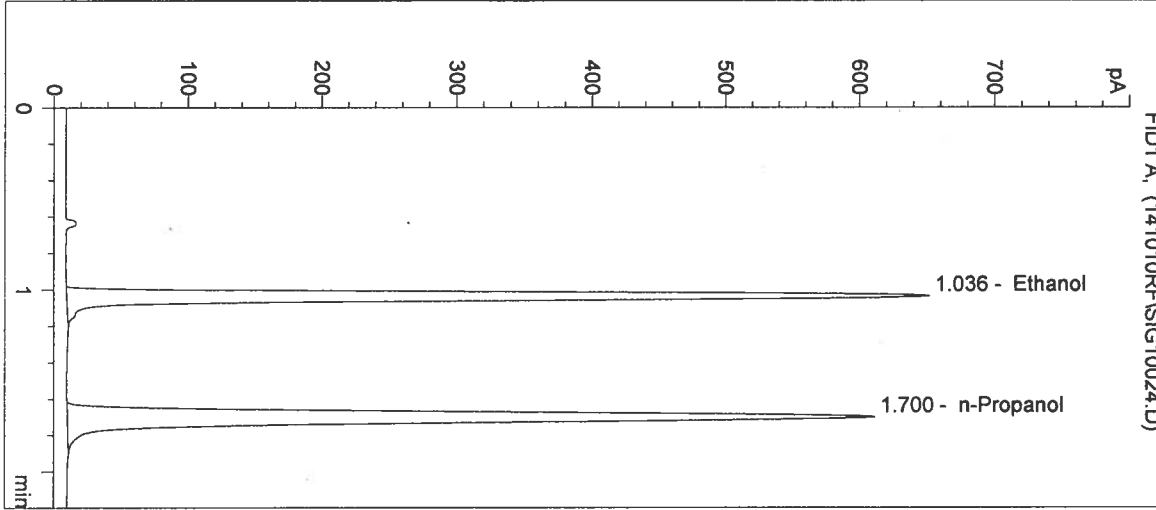
Operator: Rebecca Flaherty

Column: DB-ALC1

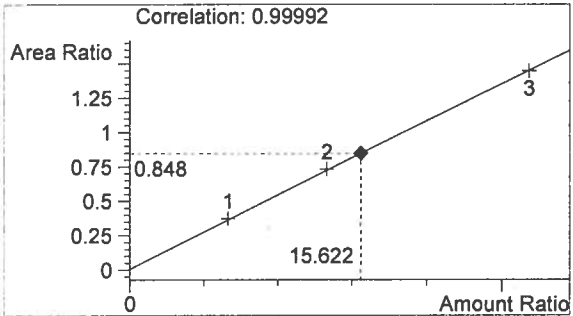
Location: Vial 24

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

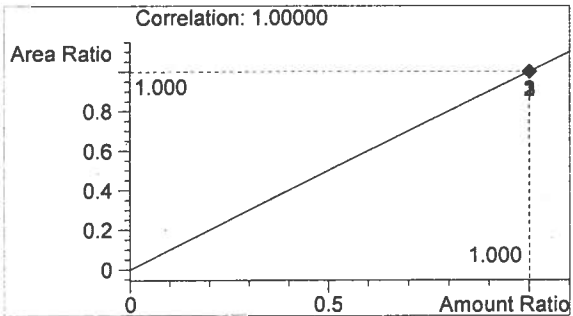
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2009	1.036
2	n-Propanol	2369	1.700



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

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*RF*

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

Inj. Date: 10/10/2014 3:11:34 PM

Sample Name: 14051-2

Instrument: HSGC#1

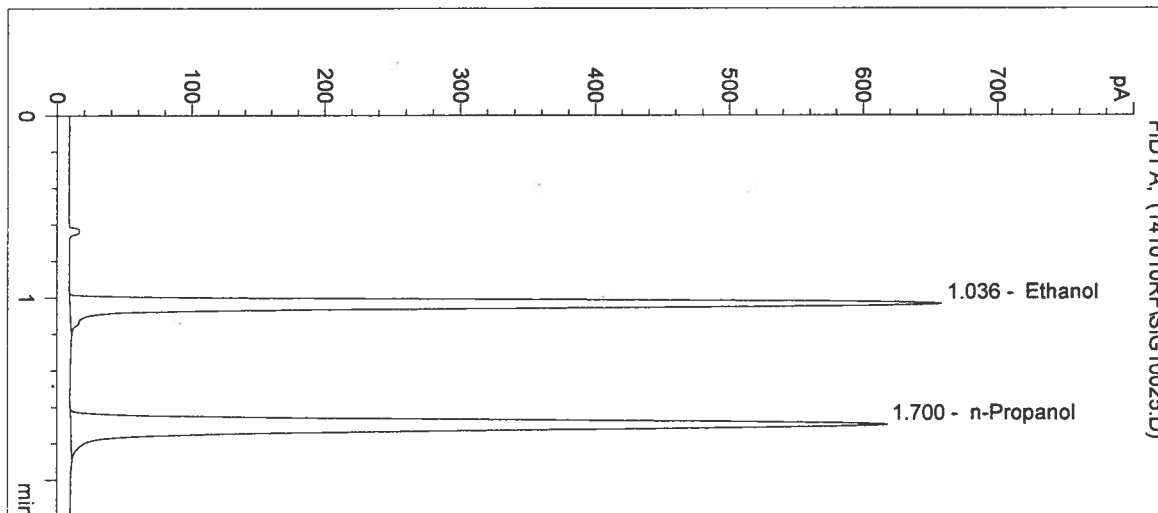
Operator: Rebecca Flaherty

Column: DB-ALC1

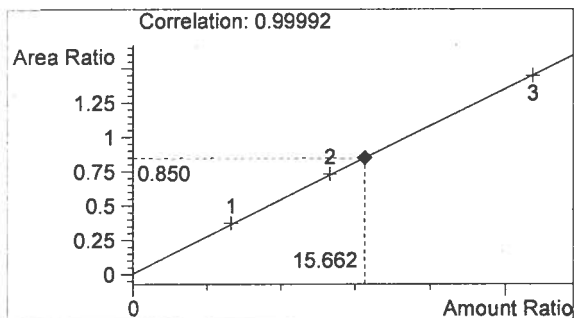
Location: Vial 25

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

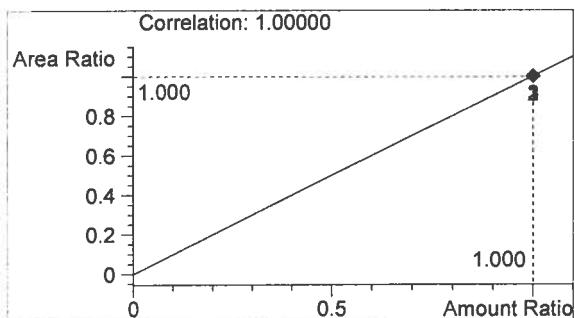
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2035	1.036
2	n-Propanol	2393	1.700



Ethanol 0.188 g/100mL



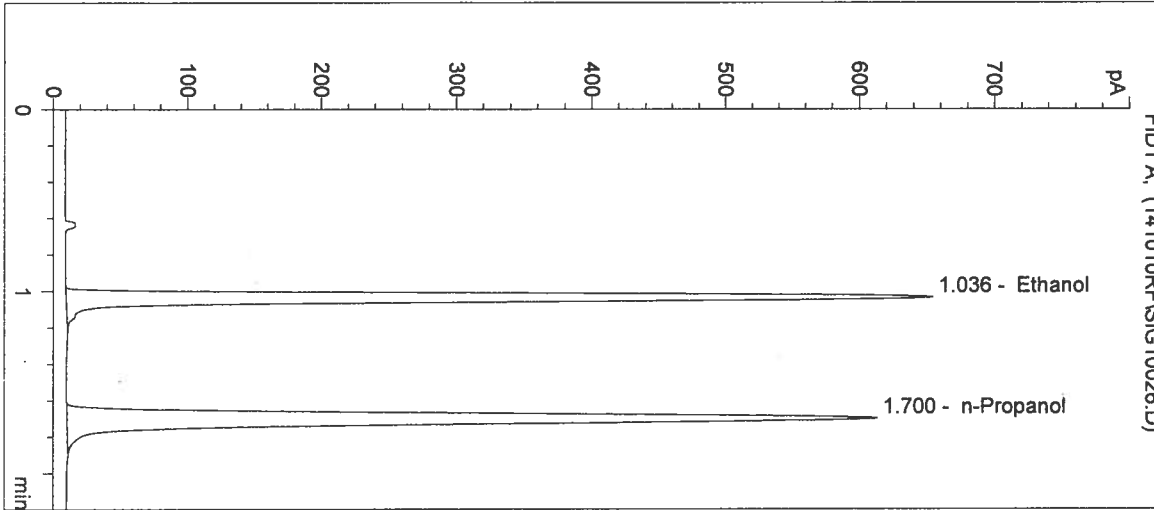
n-Propanol 0.012 g/100mL

*h*

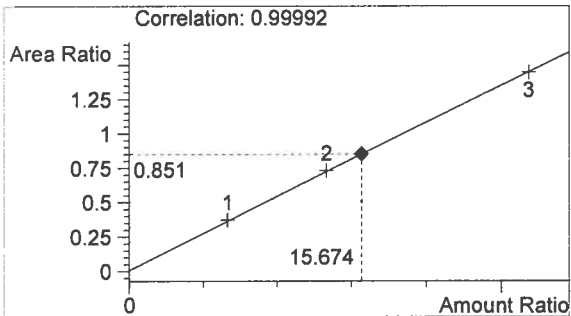
*RF*

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 2203 Airport Way S Seattle, WA 98134

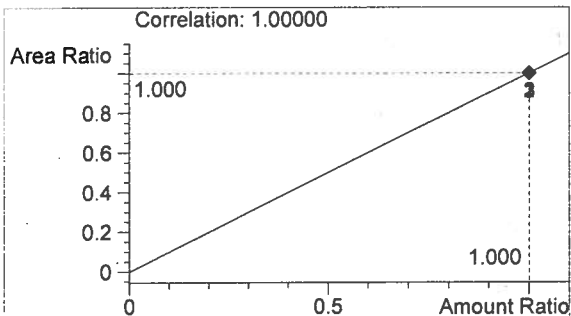
Inj. Date: 10/10/2014 3:14:47 PM      Sample Name: 14051-3  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 26  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2024	1.036
2	n-Propanol	2379	1.700



Ethanol      0.188 g/100mL



n-Propanol      0.012 g/100mL

*RF*

Inj. Date: 10/10/2014 3:18:00 PM

Sample Name: 14051-4

Instrument: HSGC#1

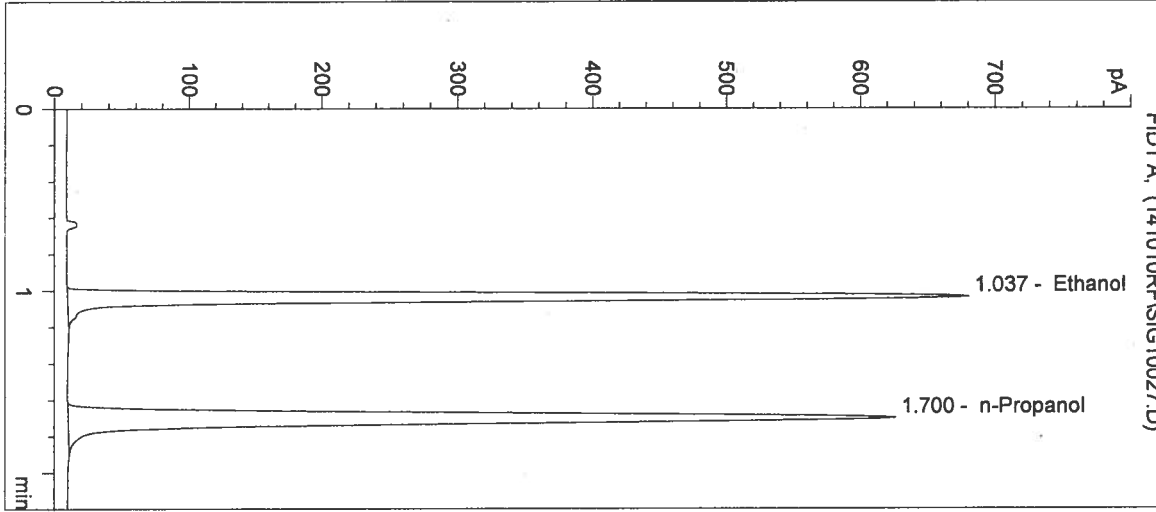
Operator: Rebecca Flaherty

Column: DB-ALC1

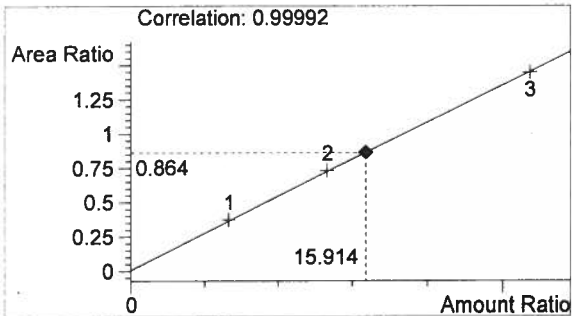
Location: Vial 27

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

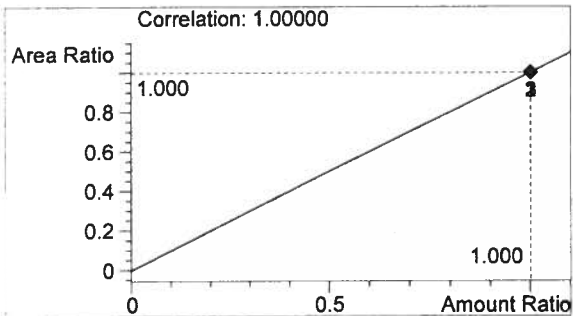
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2087	1.037
2	n-Propanol	2416	1.700



Ethanol 0.191 g/100mL



n-Propanol 0.012 g/100mL

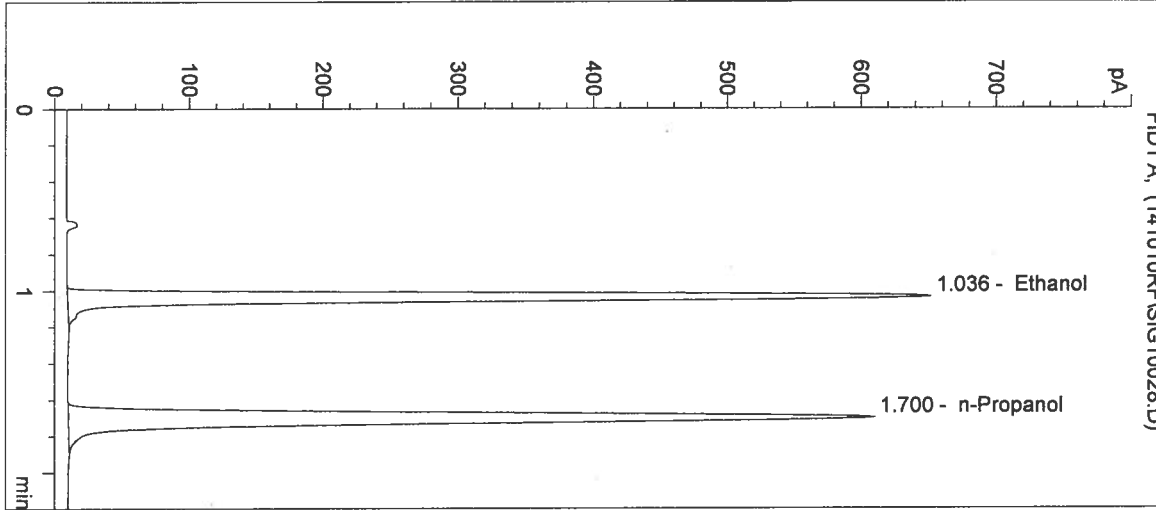
*LF*

*RF*

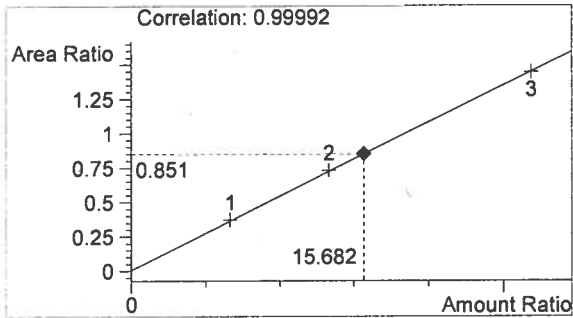


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 2203 Airport Way S Seattle, WA 98134

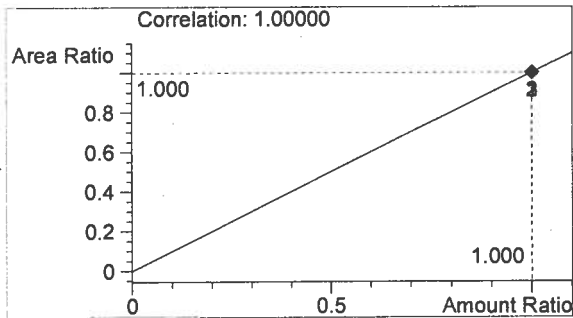
Inj. Date: 10/10/2014 3:21:13 PM      Sample Name: 14051-5  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 28  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2007	1.036
2	n-Propanol	2358	1.700



Ethanol      0.188 g/100mL



n-Propanol      0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 10/10/2014 3:24:26 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

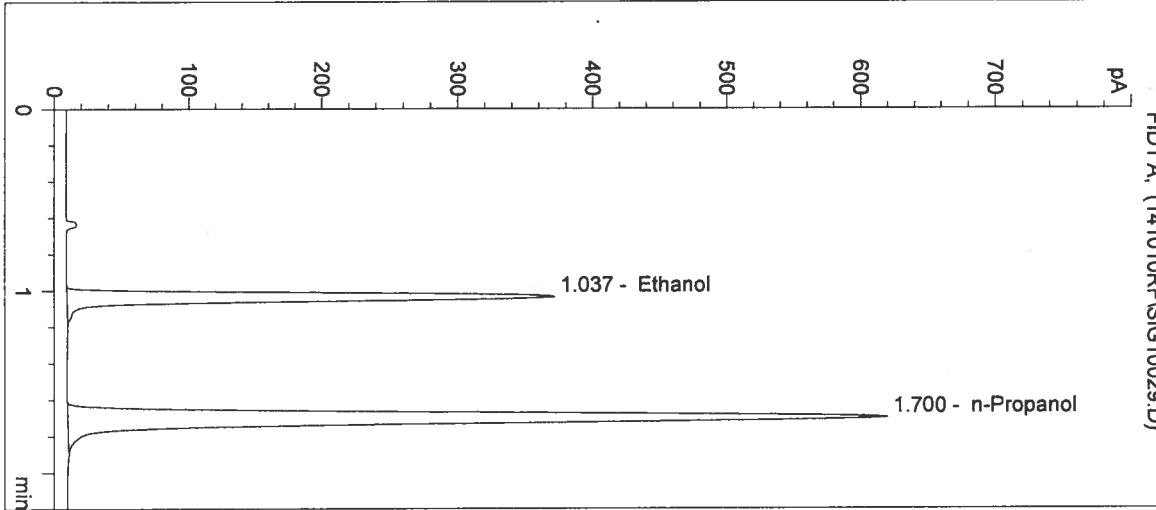
Operator: Rebecca Flaherty

Column: DB-ALC1

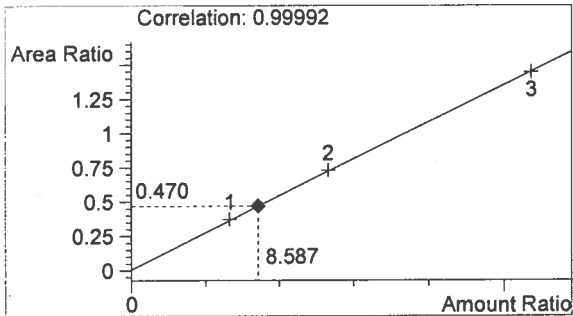
Location: Vial 29

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

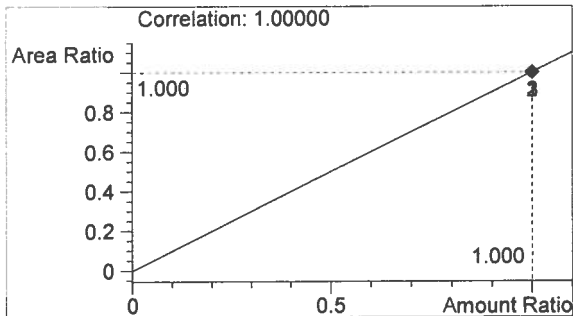
Sample Info: 14051



#	Compound	Peak Area	RT (min)
1	Ethanol	1125	1.037
2	n-Propanol	2394	1.700



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 10/10/2014 3:27:40 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

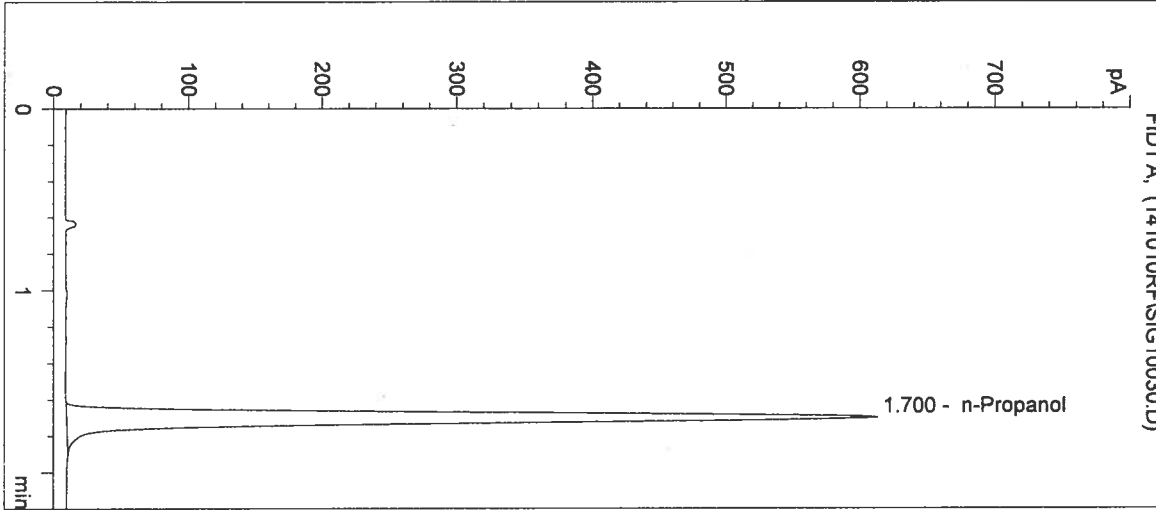
Operator: Rebecca Flaherty

Column: DB-ALC1

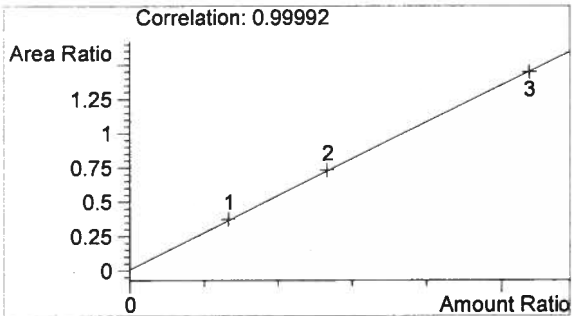
Location: Vial 30

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

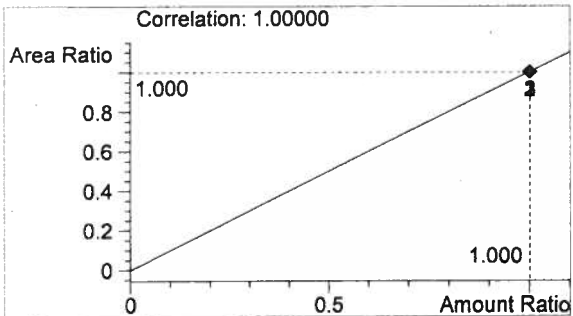
Sample Info: 14051



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2376	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*RF*

*RF*