



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 14050

**CUSTOMER INFORMATION**

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

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

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.08 g/210L  
DATE PREPARED: 10/01/2014  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Katie Knorr

	KK	JLK	RF
1	0.101	0.101	0.102
2	0.102	0.101	0.100
3	0.102	0.102	0.102
4	0.101	0.102	0.102
5	0.102	0.102	0.102
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: 0.1016 g/100mL PRECISION CV (%): 0.62  
STANDARD DEVIATION: 0.00063 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.0826 g/210L  
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

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

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KK	Katie Knorr	<i>Katie Knorr</i>	10/01/2014
JLK	Justin L. Knoy	<i>Justin L. Knoy</i>	10/09/2014
RF	Rebecca Flaherty	<i>Rebecca Flaherty</i>	10/10/2014

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division. Page 1 of 1

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

QAP Solution Batch #: 14050

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	0.101	0.101	0.102
2	0.102	0.101	0.100
3	0.102	0.102	0.102
4	0.101	0.102	0.102
5	0.102	0.102	0.102
C	0.102	0.102	0.103

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000025833	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.1016 g/100mL  
Standard Deviation: 0.00063 g/100mL  
Precision CV (%): 0.62  
Equivalent Vapor Concentration: 0.0826 g/210L  
Combined Standard Uncertainty (±): 0.0009 g/210L  
Expanded Uncertainty (±): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

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

Calculations verified by: Amanda H. Black [Signature] 10-13-2014  
Name Signature Date

Method: Hand calculation

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

[Handwritten mark]

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Black

Date: 10-13-2014

Location: WSP-FLSB Seattle, WA

Solution Batch Number: 14050

	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: *A. Black*

Date: 10-13-2014

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

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

*fb*

incorporated in file

## 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	KK	10/13/14
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty	RF	10/13/14

Batch # 14050 10-13-14

*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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14050**

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 14050, 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

*Katie Knorr* 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

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14050**

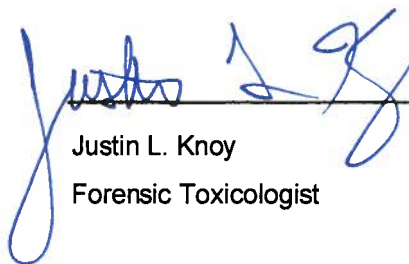
I, Justin L. Knoy, do certify under penalty of perjury that:

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 14050, 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  
Justin L. Knoy                      Date  
Forensic Toxicologist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 14050**

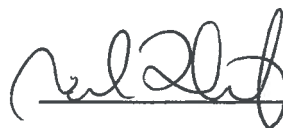
I, Rebecca Flaherty, do certify under penalty of perjury that:

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 14050, 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: 2CK0002

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

*JK*



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-Propanol 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*

14050

*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>10/12/14</i>	SIMALC1	1	Ctrl Samp		
17	Vial 17	14050-1	SIMALC1	1	Sample		
18	Vial 18	14050-2 <i>KK</i>	SIMALC1	1	Sample		
19	Vial 19	14050-3 <i>10/13/14</i>	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		

*JK*

*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!

14050

Jan 10/13/14

fr

KK

Inj. Date: 10/1/2014 1:28:32 PM

Sample Name: 14050-1

Instrument: HSGC#1

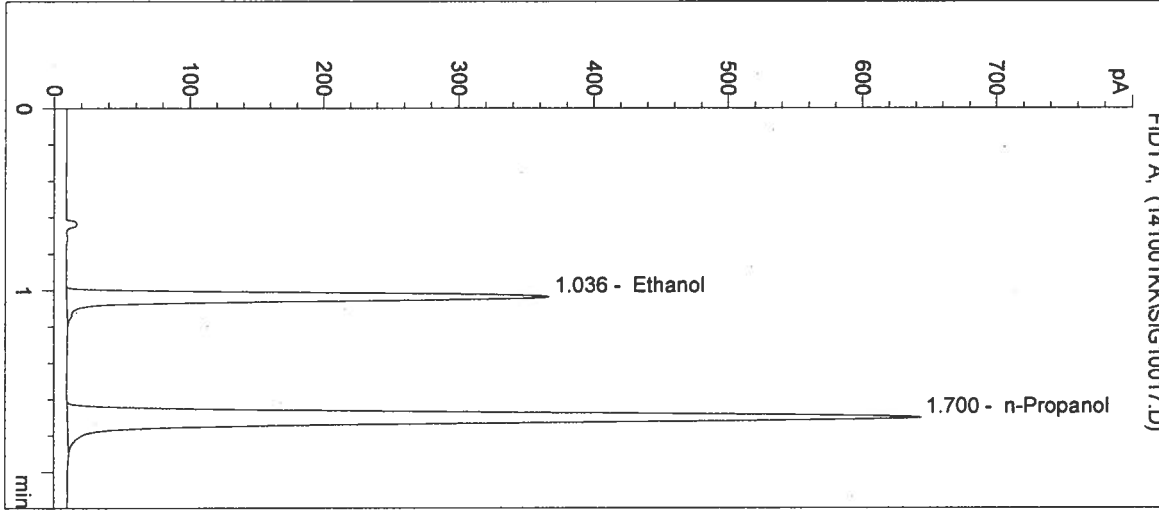
Operator: Katie Knorr

Column: DB-ALC1

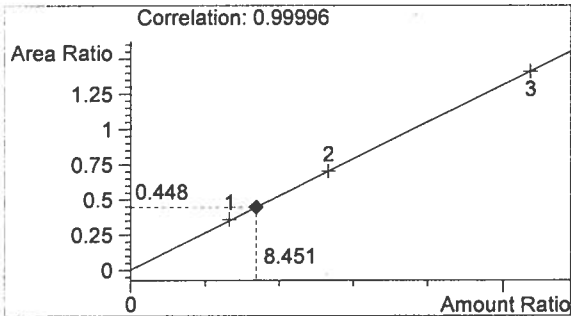
Location: Vial 17

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

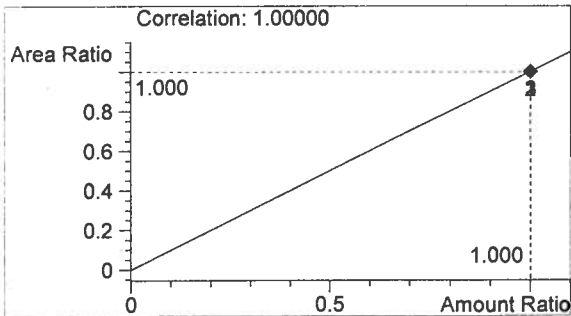
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1114	1.036
2	n-Propanol	2487	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*KK*

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

Inj. Date: 10/1/2014 1:31:47 PM

Sample Name: 14050-~~1~~ 2 KK10/13/14

Instrument: HSGC#1

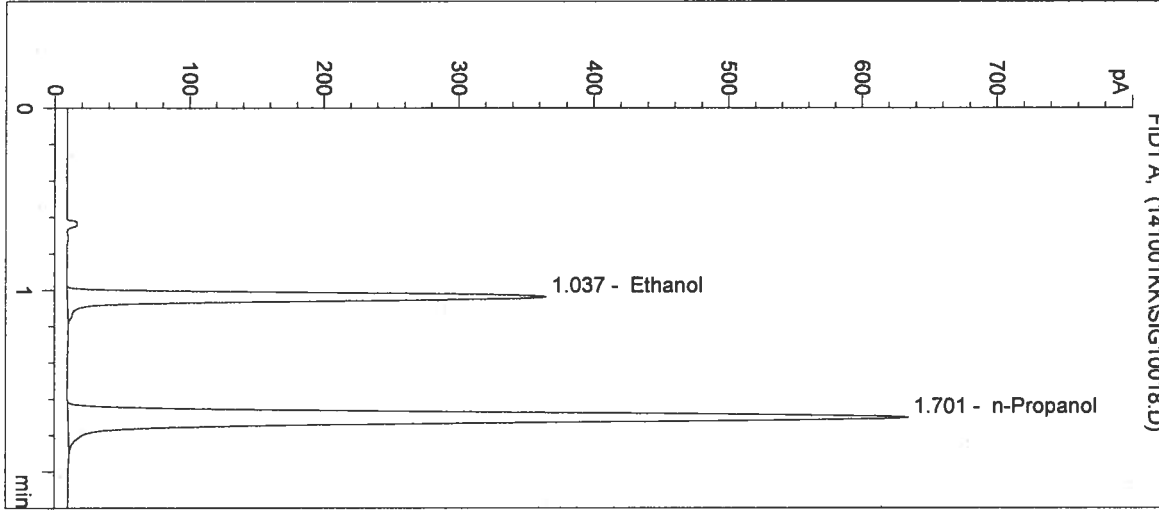
Operator: Katie Knorr

Column: DB-ALC1

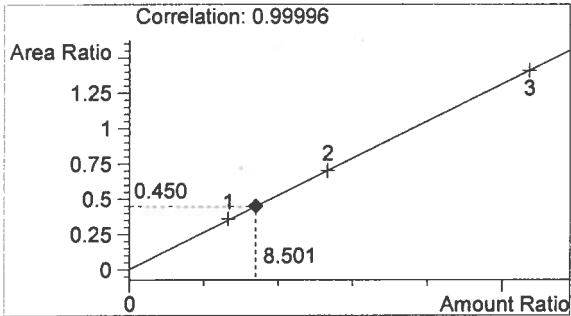
Location: Vial 18

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

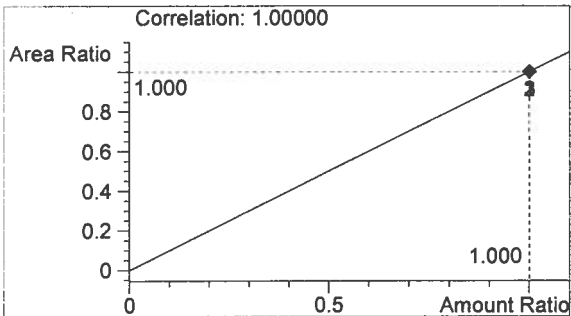
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1106	1.037
2	n-Propanol	2456	1.701



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*fk*

*KK*

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

Inj. Date: 10/1/2014 1:35:01 PM

Sample Name: 14050-3

Instrument: HSGC#1

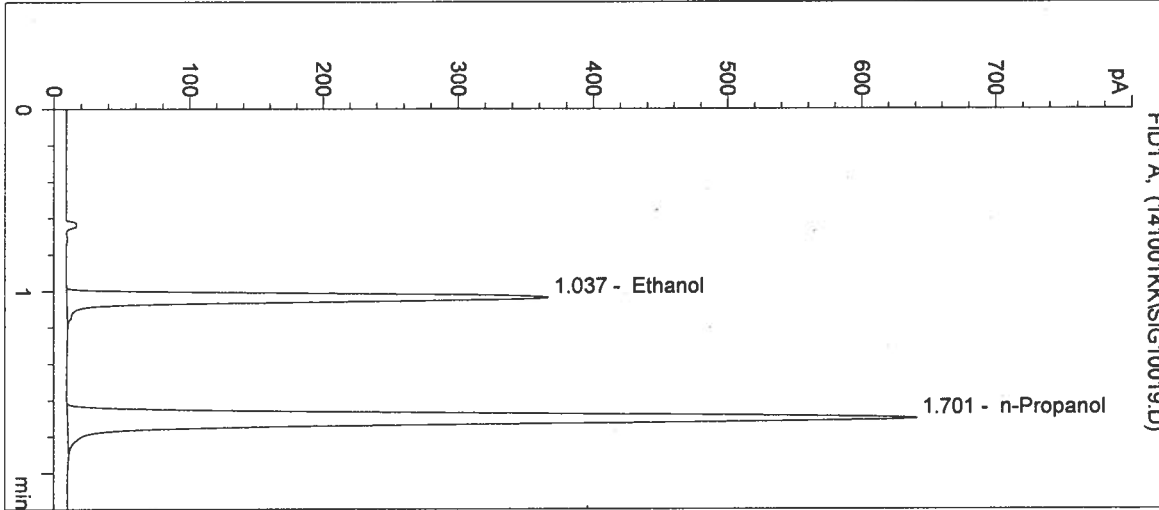
Operator: Katie Knorr

Column: DB-ALC1

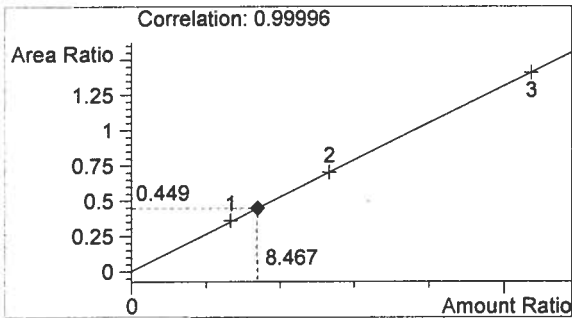
Location: Vial 19

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

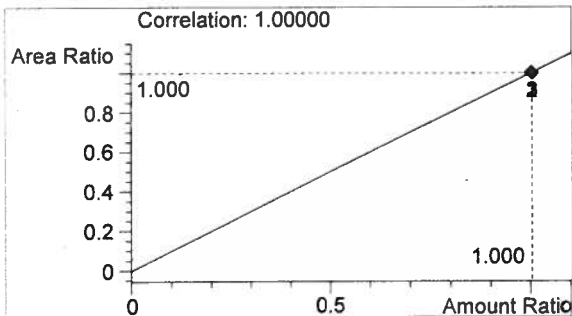
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1112	1.037
2	n-Propanol	2479	1.701



Ethanol 0.102 g/100mL



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 1:38:14 PM

Sample Name: 14050-4

Instrument: HSGC#1

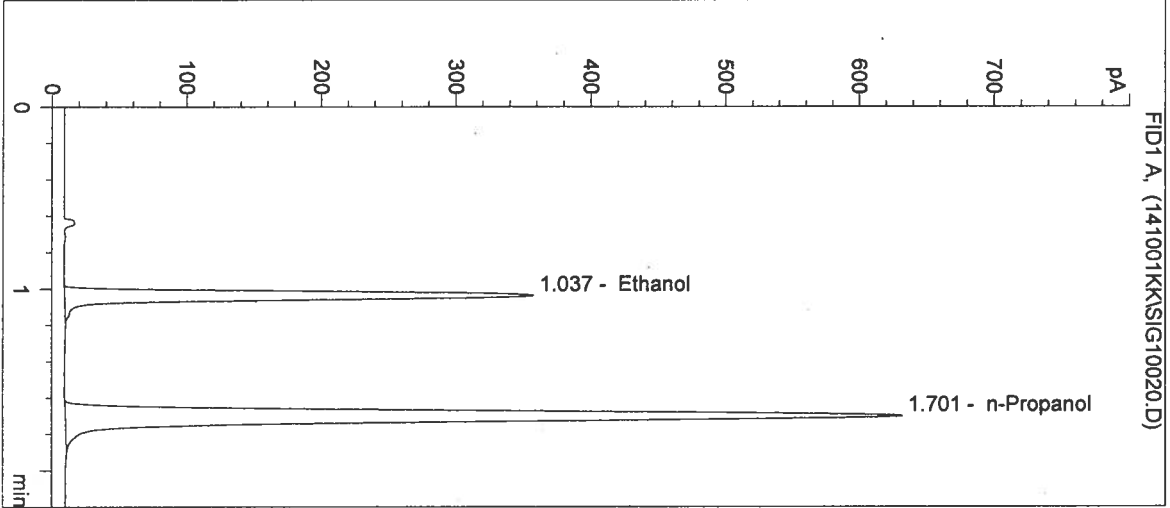
Operator: Katie Knorr

Column: DB-ALC1

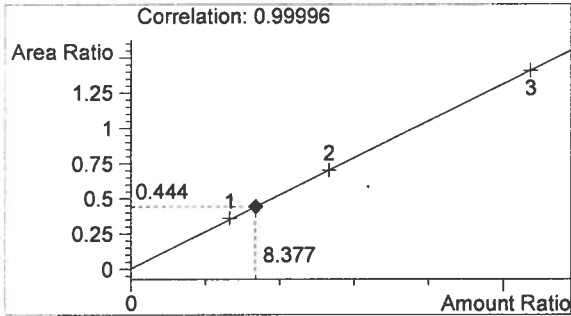
Location: Vial 20

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

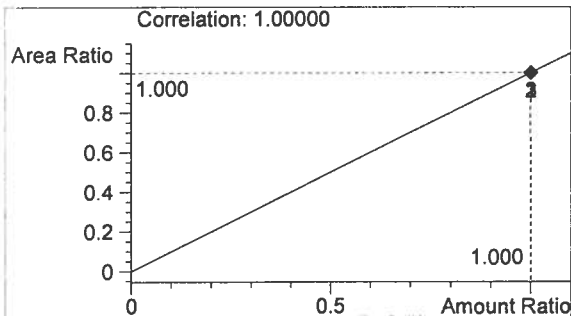
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1087	1.037
2	n-Propanol	2449	1.701



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten initials*

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

Inj. Date: 10/1/2014 1:41:27 PM

Sample Name: 14050-5

Instrument: HSGC#1

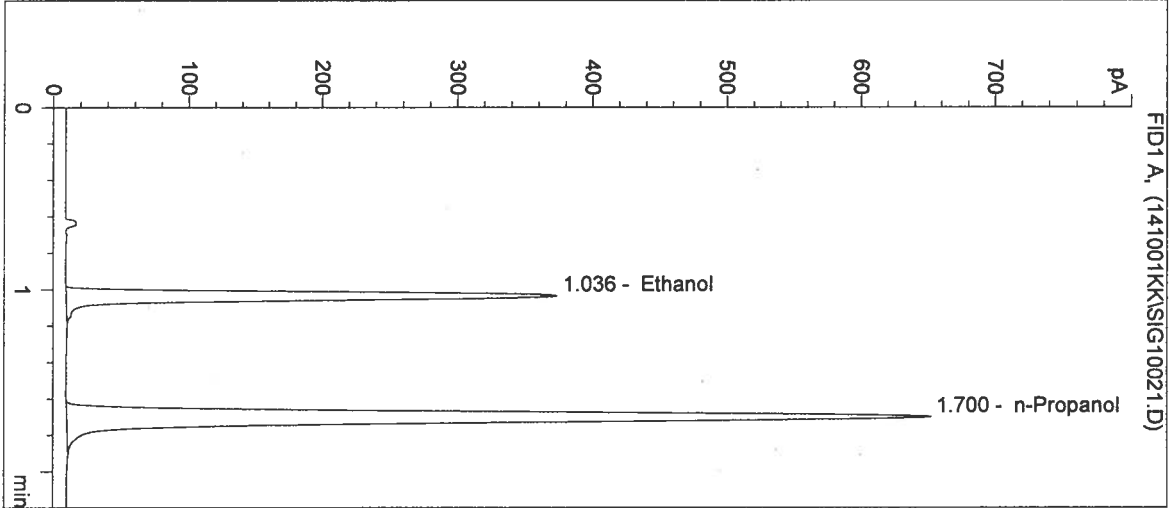
Operator: Katie Knorr

Column: DB-ALC1

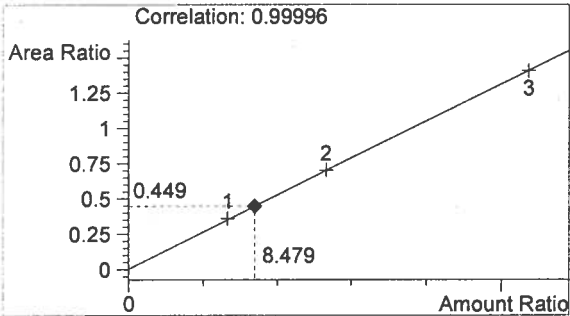
Location: Vial 21

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

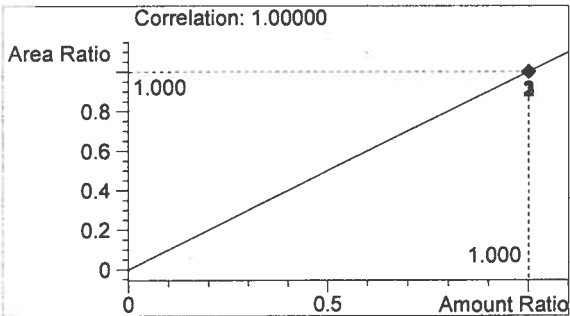
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1135	1.036
2	n-Propanol	2527	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*KK*

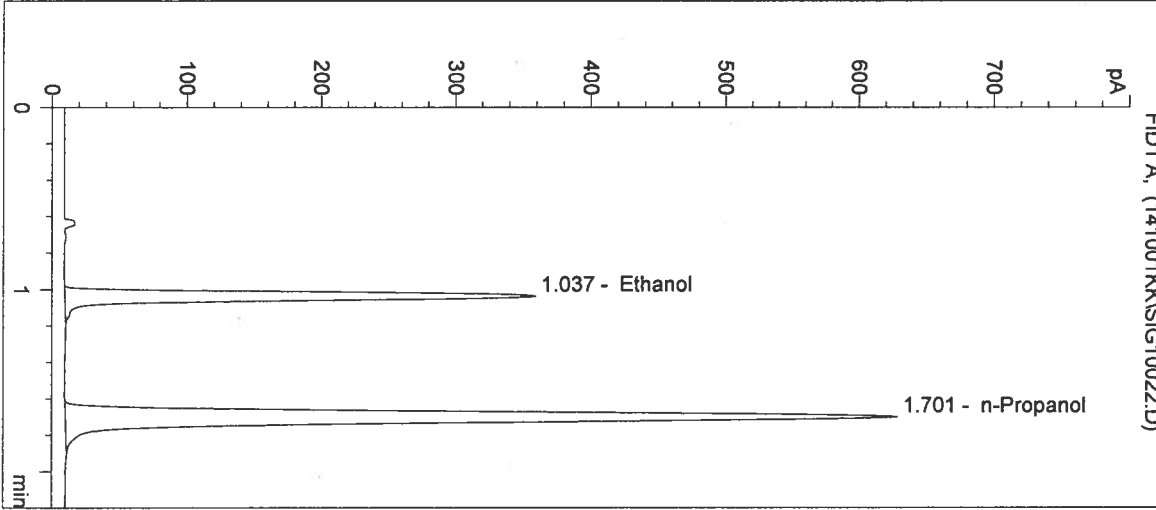
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/1/2014 1:44:40 PM  
Instrument: HSGC#1

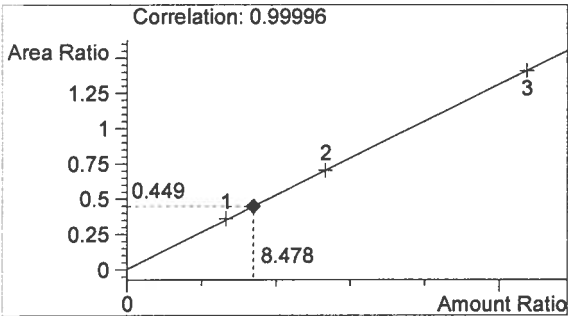
Sample Name: 0.10 CTRL  
Operator: Katie Knorr  
Location: Vial 22

Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

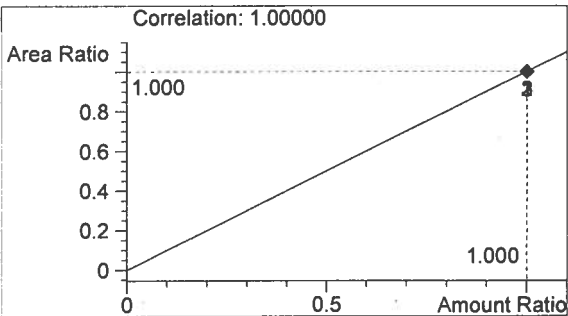


#	Compound	Peak Area	RT (min)
1	Ethanol	1094	1.037
2	n-Propanol	2435	1.701



Ethanol 0.102 g/100mL

14050  
for 10/13/14



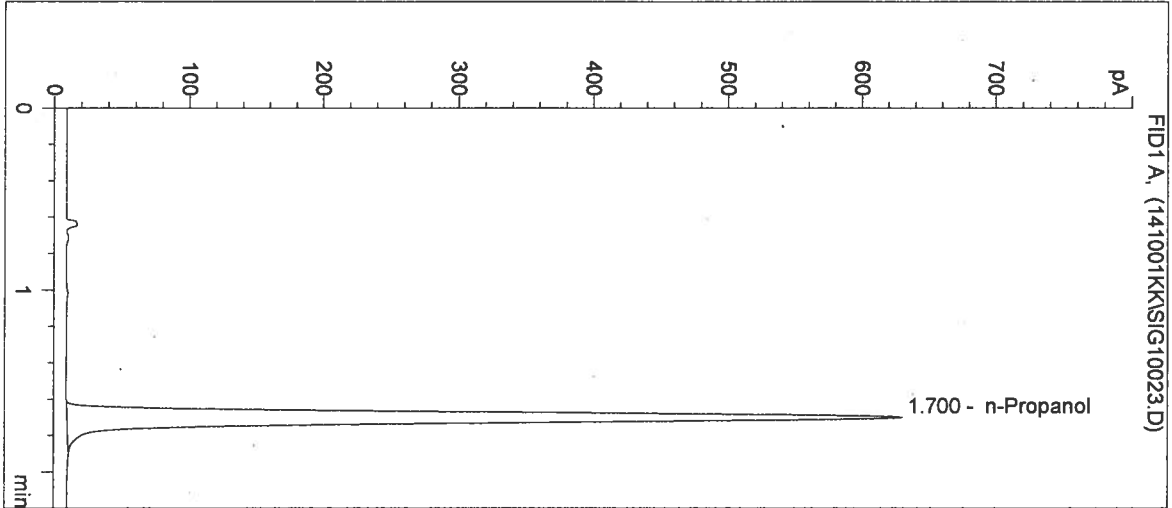
n-Propanol 0.012 g/100mL

for

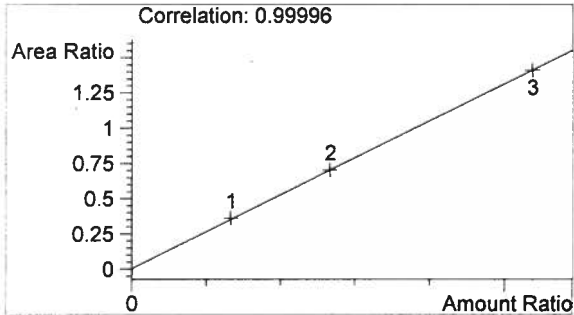
PK



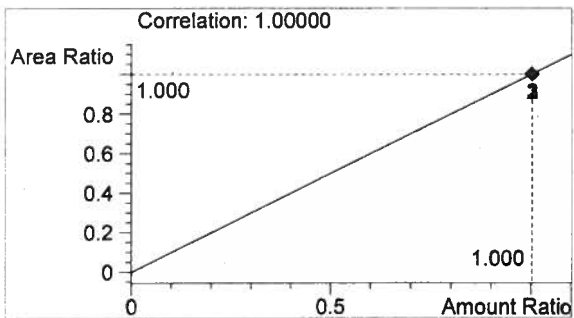
Inj. Date: 10/1/2014 1:47:54 PM      Sample Name: NEG CTRL  
 Instrument: HSGC#1      Operator: Katie Knorr  
 Column: DB-ALC1      Location: Vial 23  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2452	1.700



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

14050  
 10/1/14

*Handwritten signature*

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*

14050

*on 10/12/14*

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		

*h*

*AK*

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!

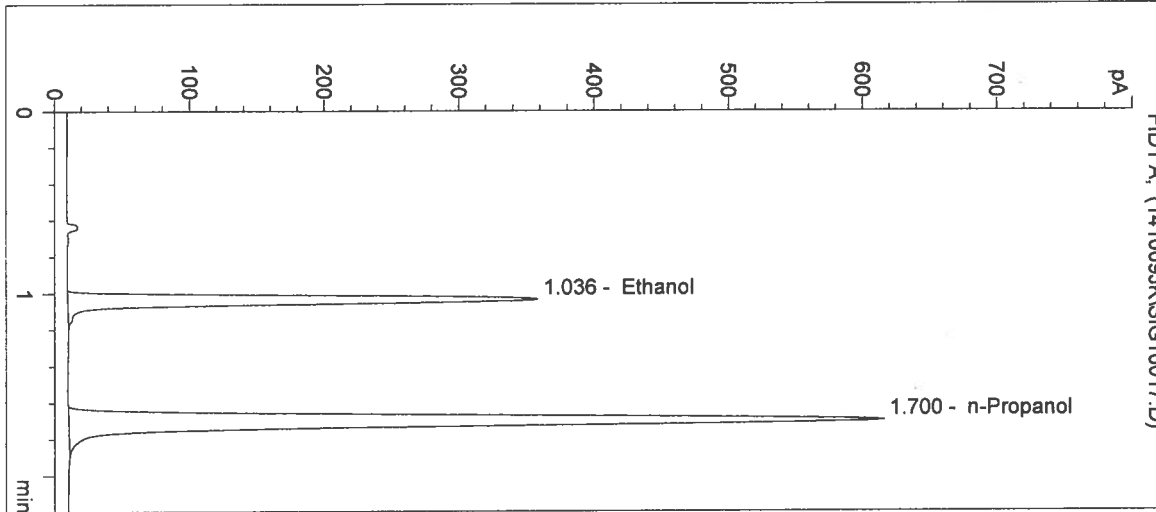
14050

*2/10/14*

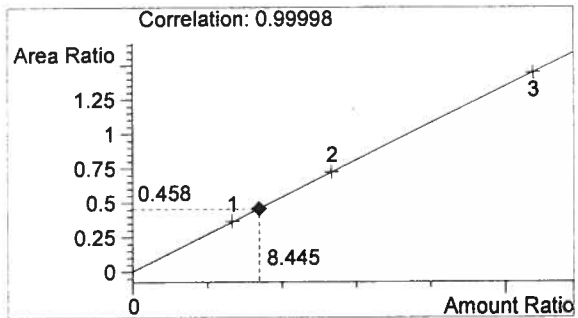
*fu*

*14*

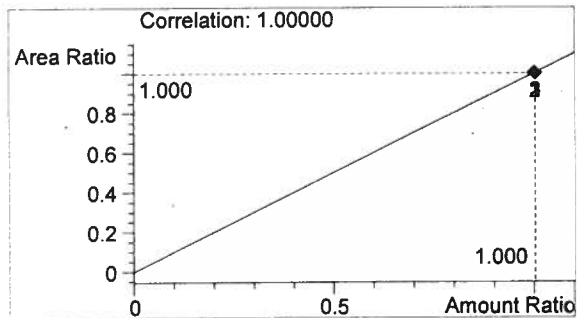
Inj. Date: 10/9/2014 12:14:26 PM      Sample Name: 14050-1  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 17  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1094	1.036
2	n-Propanol	2390	1.700



Ethanol      0.101 g/100mL



n-Propanol      0.012 g/100mL

*fr*

*N*

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

Inj. Date: 10/9/2014 12:17:39 PM

Sample Name: 14050-2

Instrument: HSGC#1

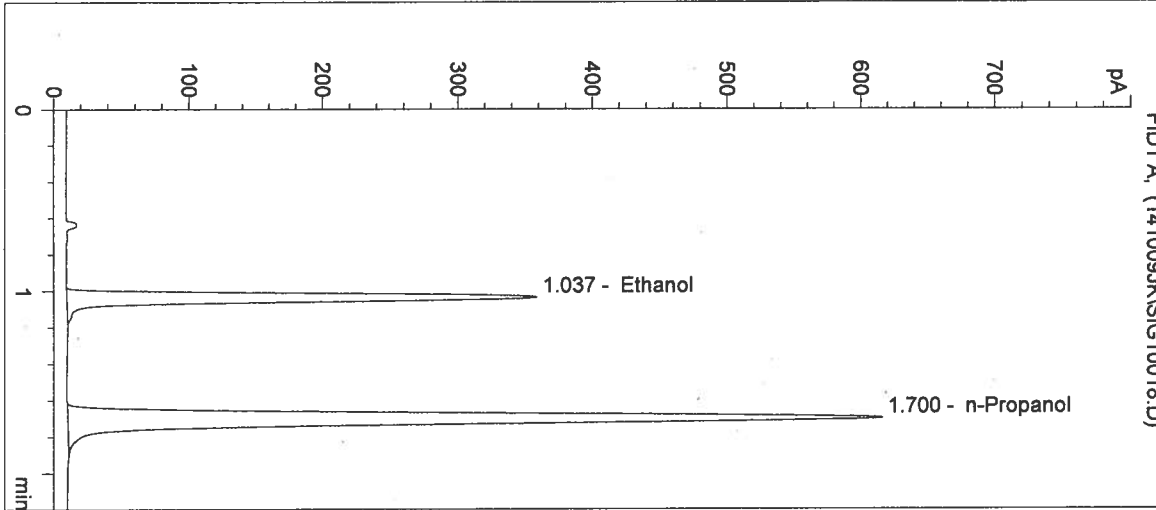
Operator: Justin Knoy

Column: DB-ALC1

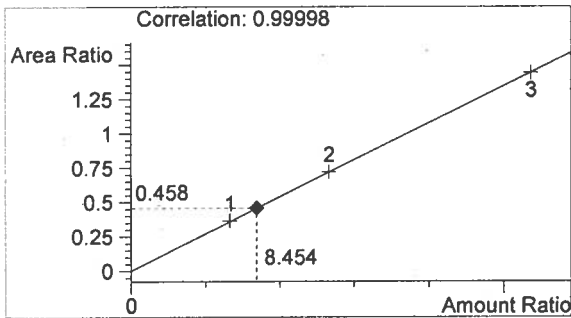
Location: Vial 18

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

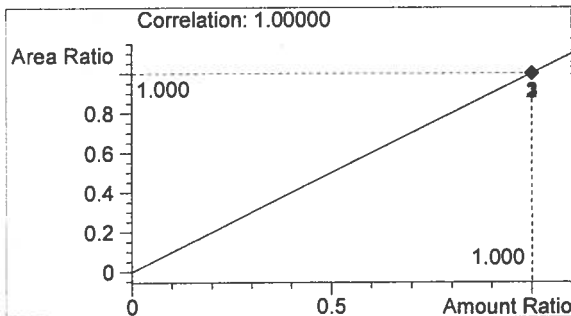
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1093	1.037
2	n-Propanol	2386	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten initials/signature*

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

Inj. Date: 10/9/2014 12:20:52 PM

Sample Name: 14050-3

Instrument: HSGC#1

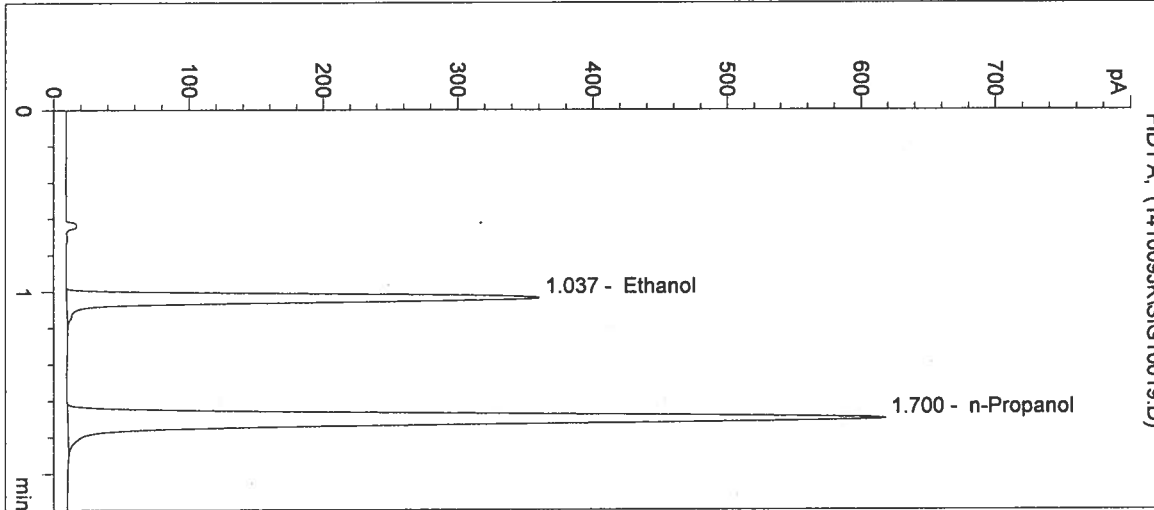
Operator: Justin Knoy

Column: DB-ALC1

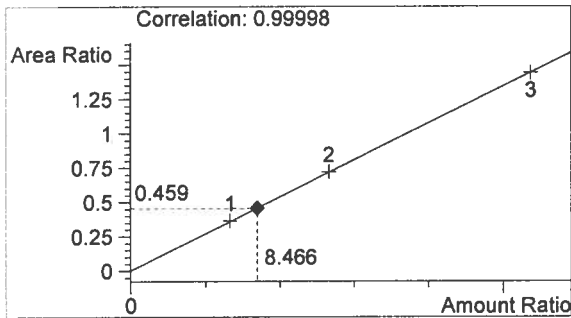
Location: Vial 19

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

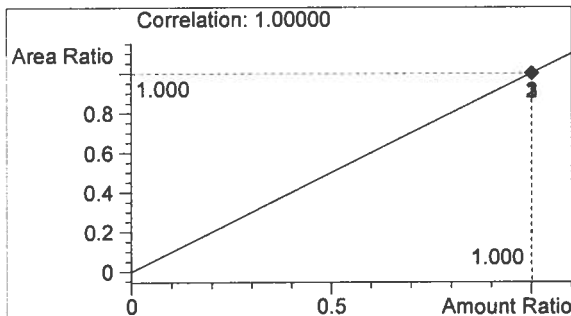
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1100	1.037
2	n-Propanol	2399	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

*Handwritten mark*

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

Inj. Date: 10/9/2014 12:24:05 PM

Sample Name: 14050-4

Instrument: HSGC#1

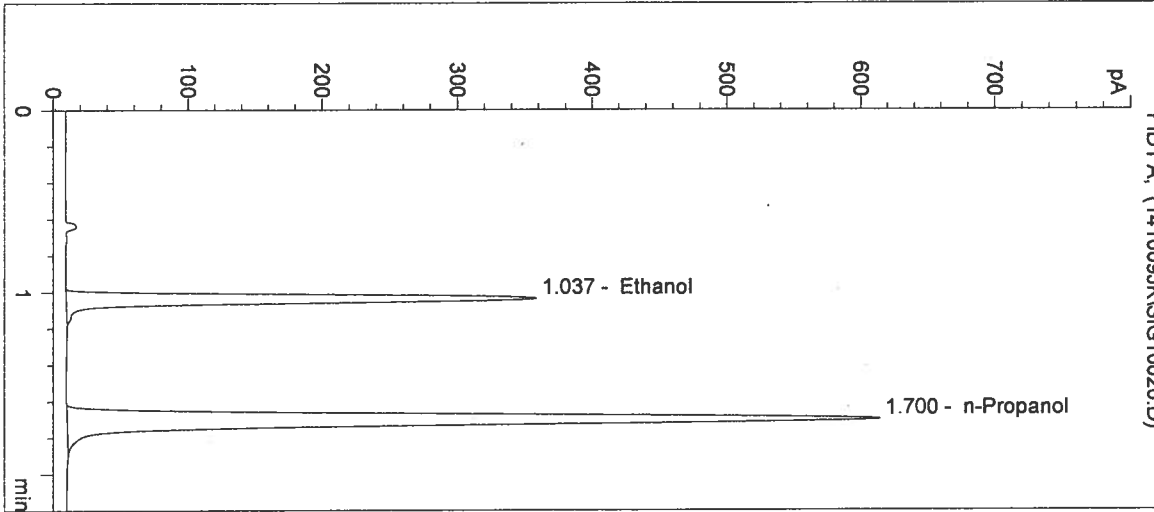
Operator: Justin Knoy

Column: DB-ALC1

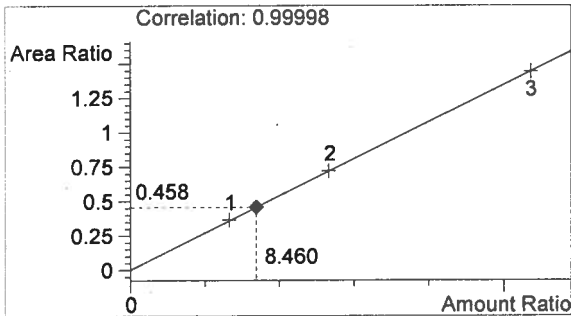
Location: Vial 20

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

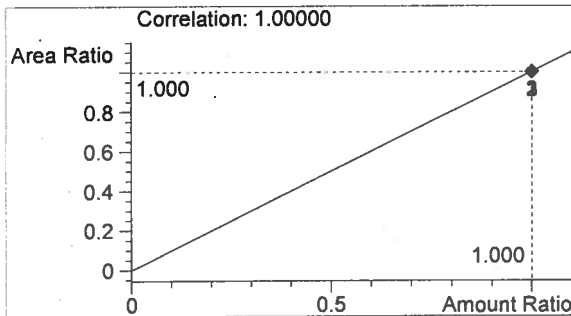
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1090	1.037
2	n-Propanol	2378	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*h*

*[Signature]*

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

Inj. Date: 10/9/2014 12:27:19 PM

Sample Name: 14050-5

Instrument: HSGC#1

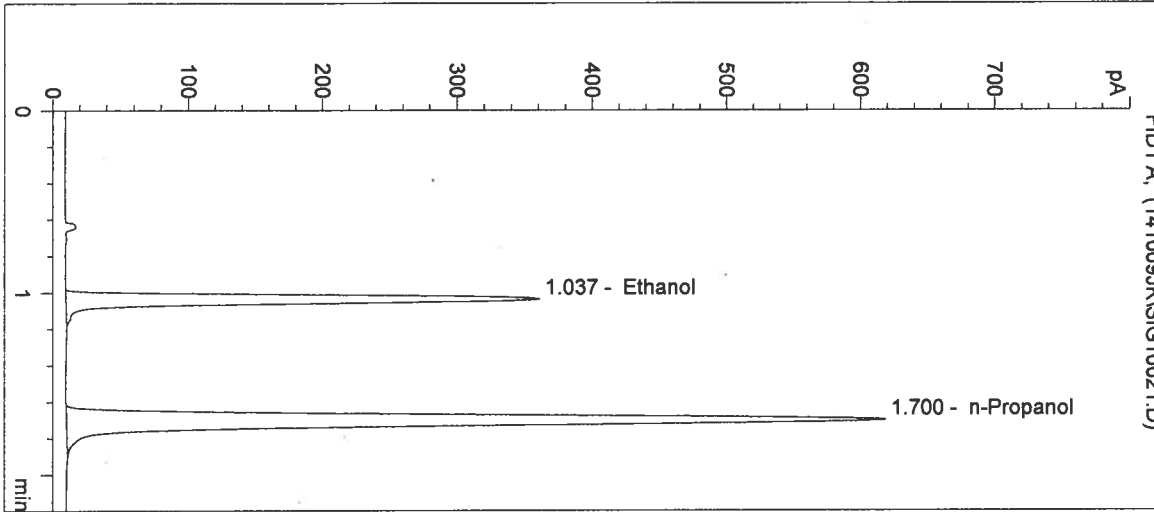
Operator: Justin Knoy

Column: DB-ALC1

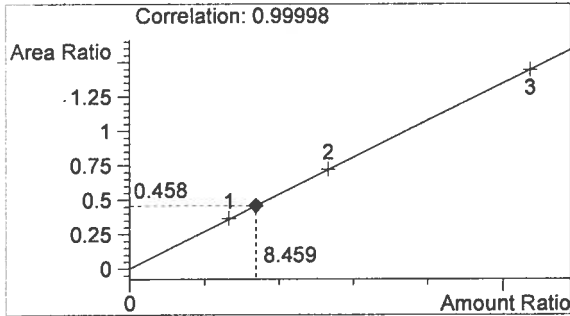
Location: Vial 21

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

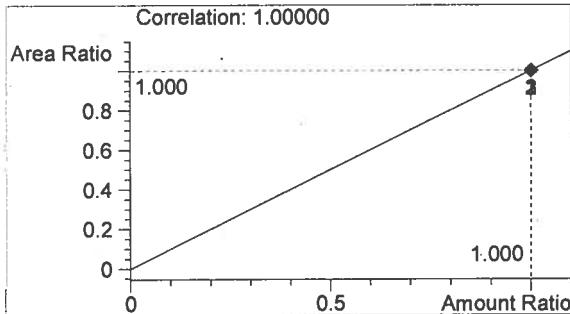
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1099	1.037
2	n-Propanol	2397	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*J*

*W*



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

Inj. Date: 10/9/2014 12:30:32 PM

Sample Name: 0.10 CTRL JK

Instrument: HSGC#1

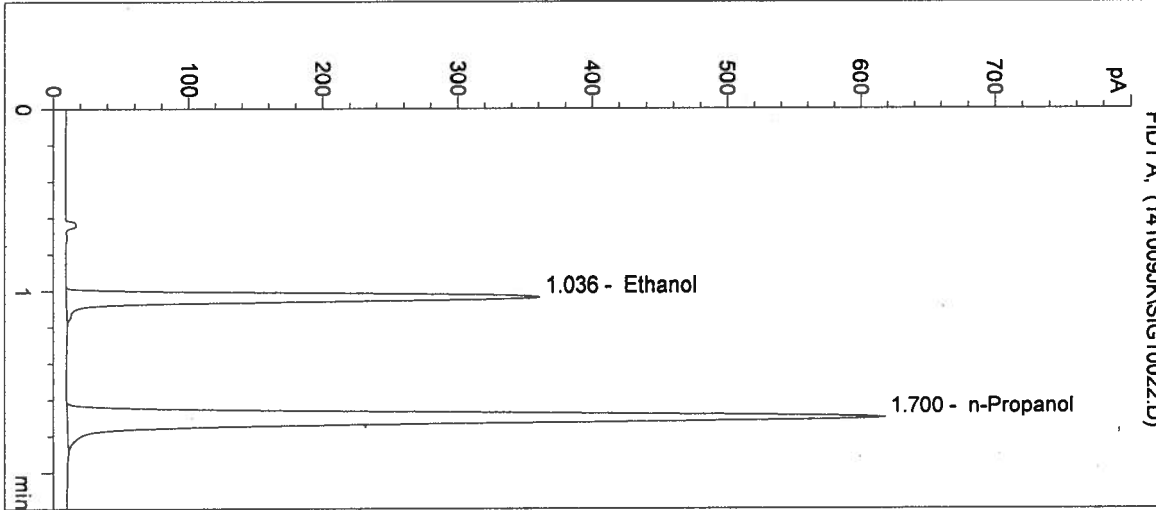
Operator: Justin Knoy

Column: DB-ALC1

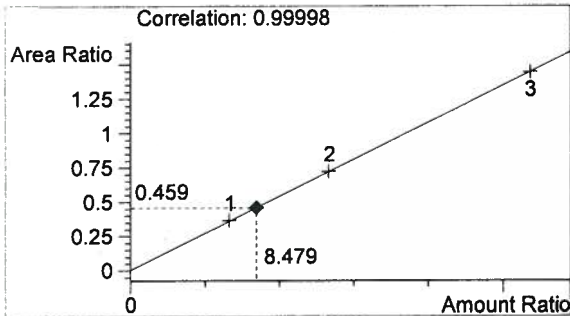
Location: Vial 22

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

Sample Info:



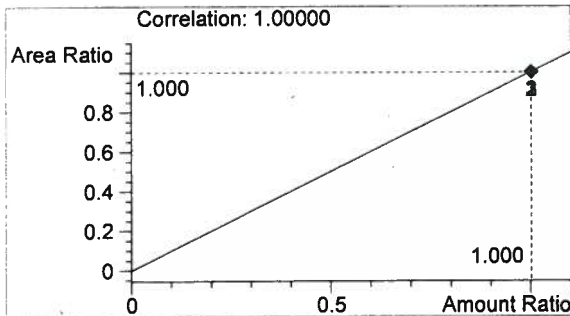
#	Compound	Peak Area	RT (min)
1	Ethanol	1099	1.036
2	n-Propanol	2393	1.700



Ethanol 0.102 g/100mL

14050

*Justin Knoy*



n-Propanol 0.012 g/100mL

*J*

*JK*

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

Inj. Date: 10/9/2014 12:33:45 PM

Sample Name: NEG CTRL JK

Instrument: HSGC#1

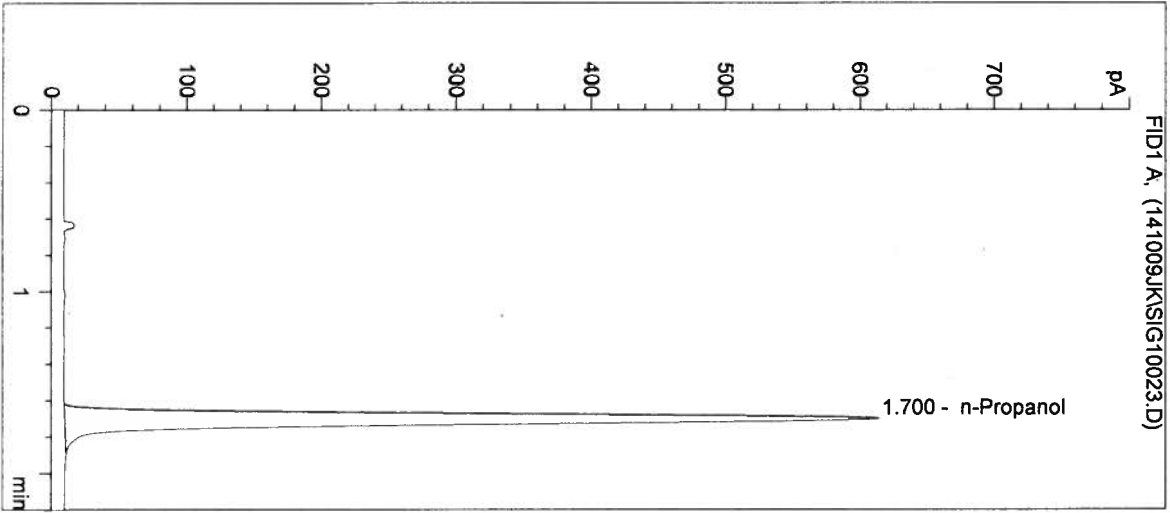
Operator: Justin Knoy

Column: DB-ALC1

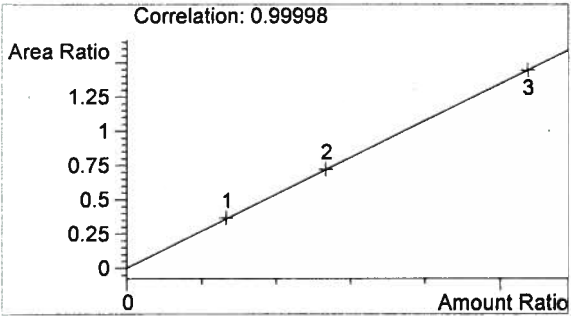
Location: Vial 23

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

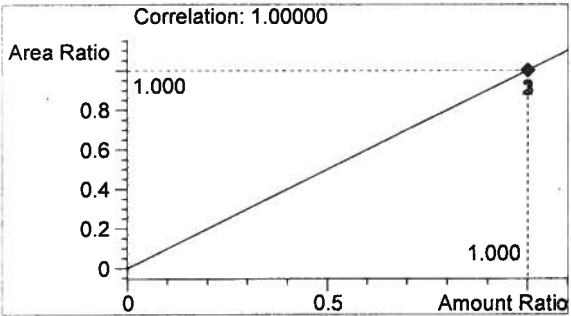
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2377	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14050  
10/13/14

*Handwritten signature*

*Handwritten signature*

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.

14050

*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		

*RF*

*RF*

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!

14050

for 10/13/14

for

RF

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

Inj. Date: 10/10/2014 2:45:48 PM

Sample Name: 14050-1

Instrument: HSGC#1

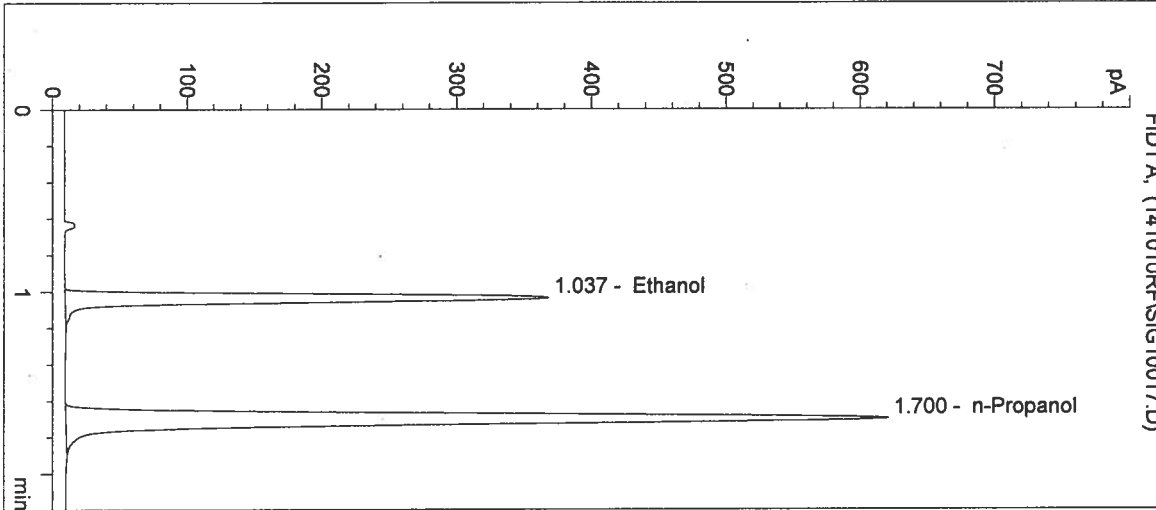
Operator: Rebecca Flaherty

Column: DB-ALC1

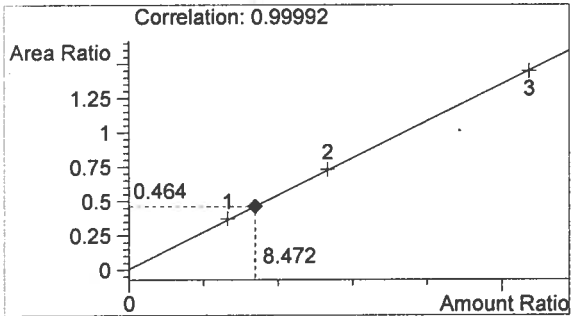
Location: Vial 17

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

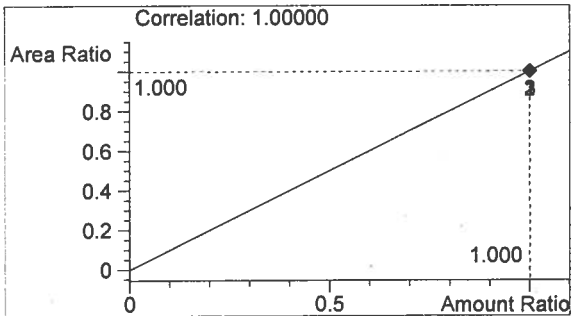
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1112	1.037
2	n-Propanol	2398	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

*RF*

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

Inj. Date: 10/10/2014 2:49:01 PM

Sample Name: 14050-2

Instrument: HSGC#1

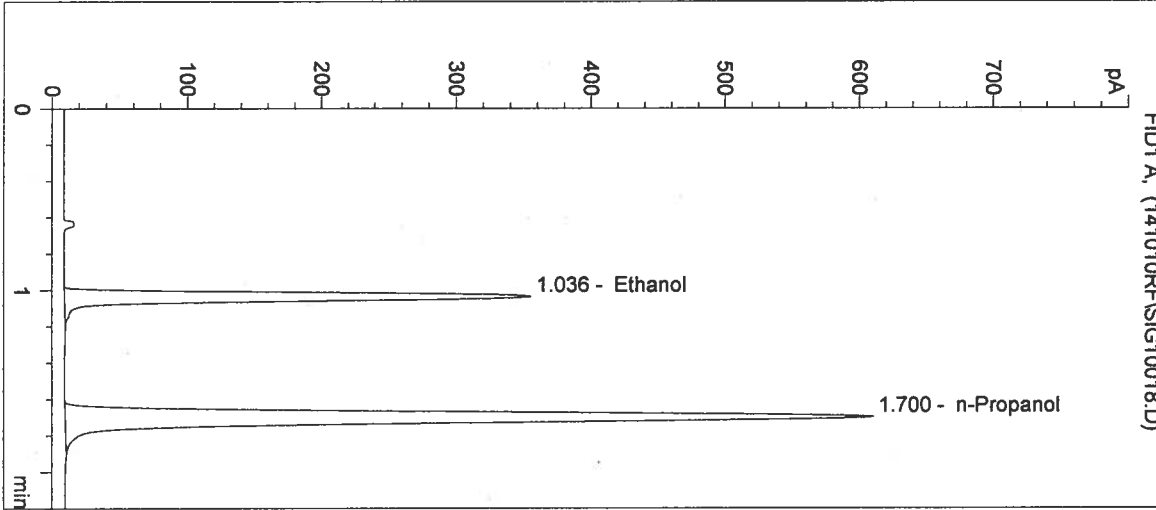
Operator: Rebecca Flaherty

Column: DB-ALC1

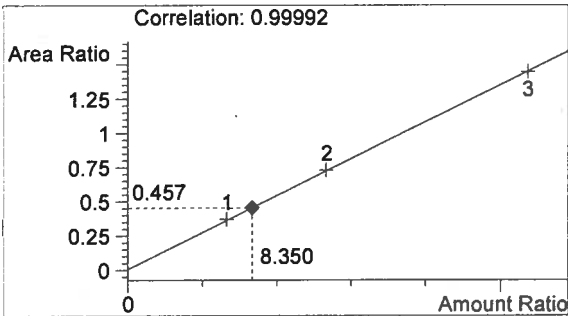
Location: Vial 18

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

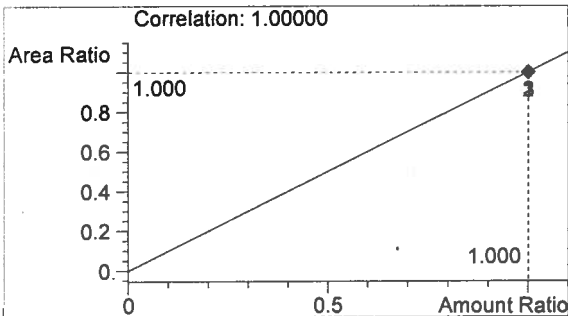
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1082	1.036
2	n-Propanol	2366	1.700



Ethanol 0.100 g/100mL

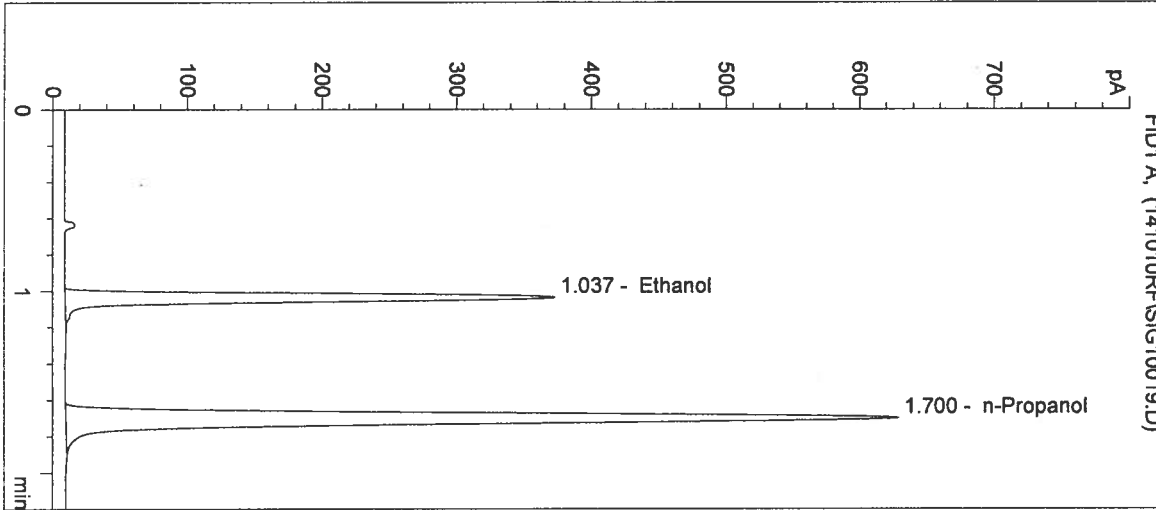


n-Propanol 0.012 g/100mL

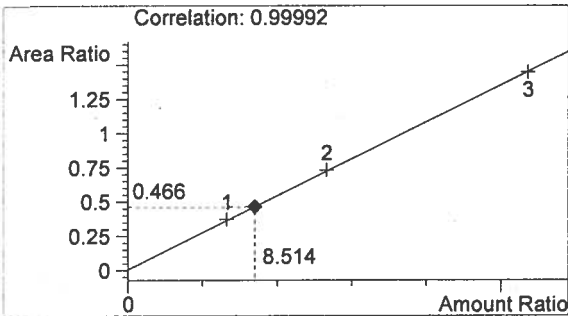
*RF*

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

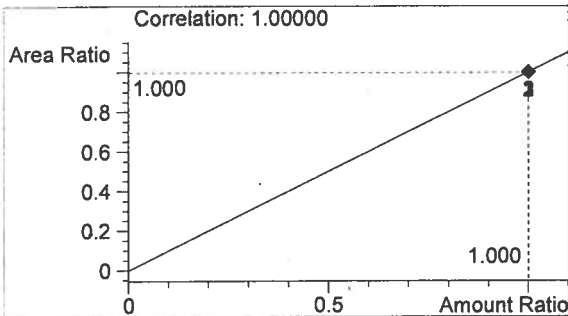
Inj. Date: 10/10/2014 2:52:14 PM      Sample Name: 14050-3  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 19  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1132	1.037
2	n-Propanol	2430	1.700



Ethanol      0.102 g/100mL



n-Propanol      0.012 g/100mL

*RF*

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

Inj. Date: 10/10/2014 2:55:27 PM

Sample Name: 14050-4

Instrument: HSGC#1

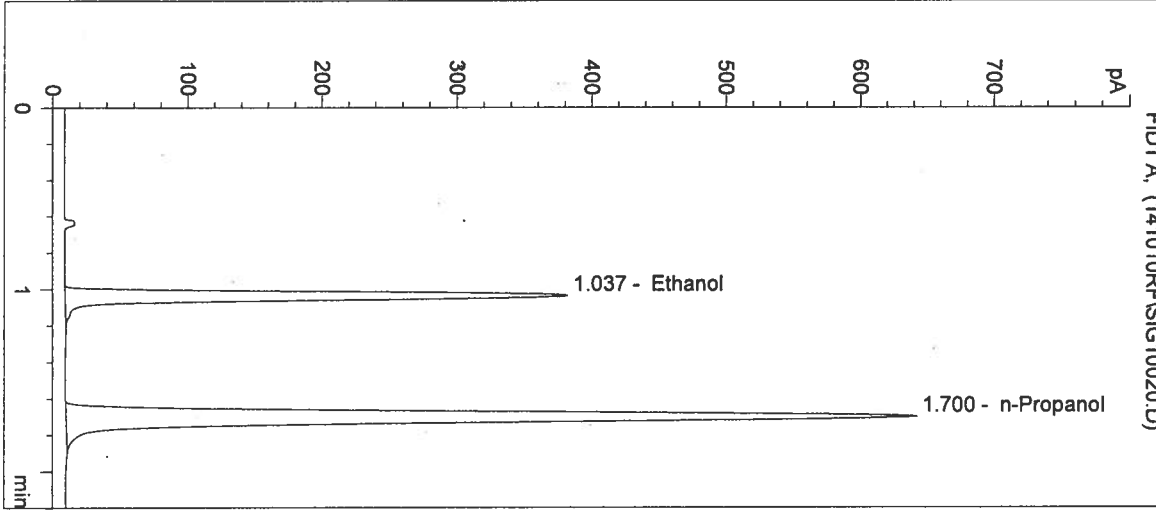
Operator: Rebecca Flaherty

Column: DB-ALC1

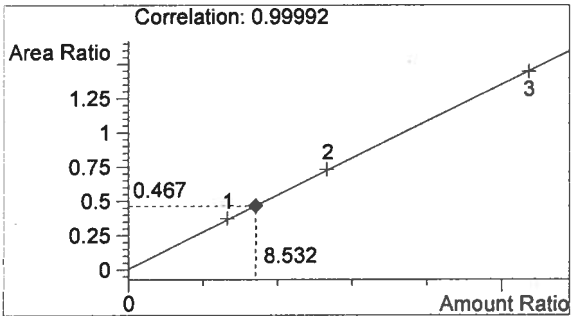
Location: Vial 20

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

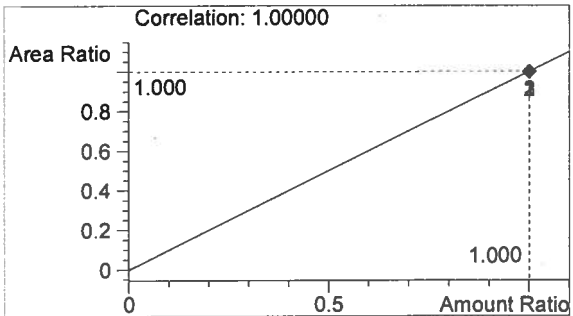
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1159	1.037
2	n-Propanol	2483	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

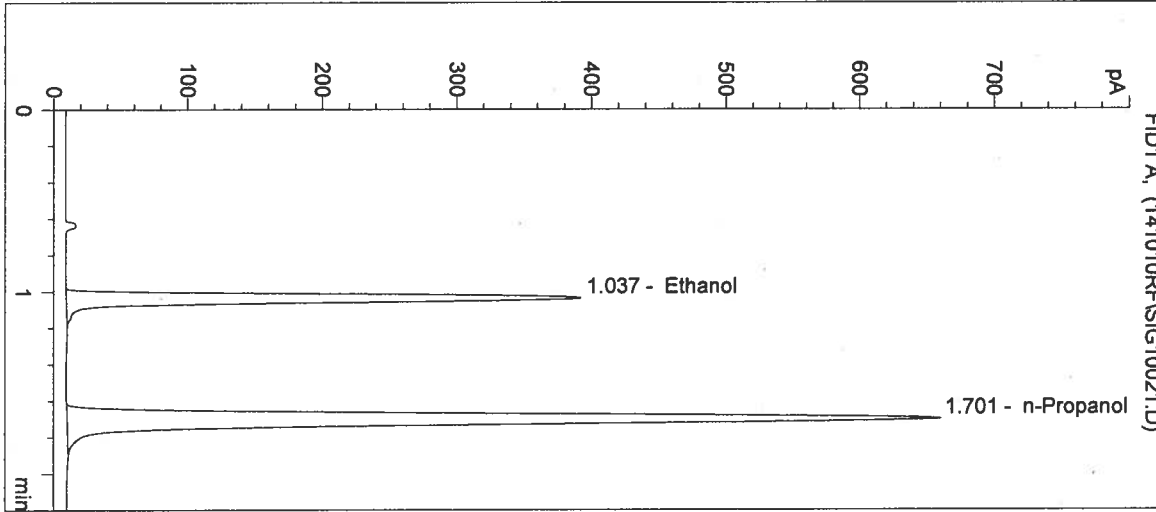
*fn*

*RF*

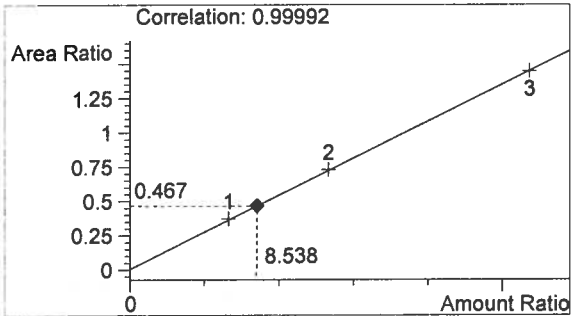


Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

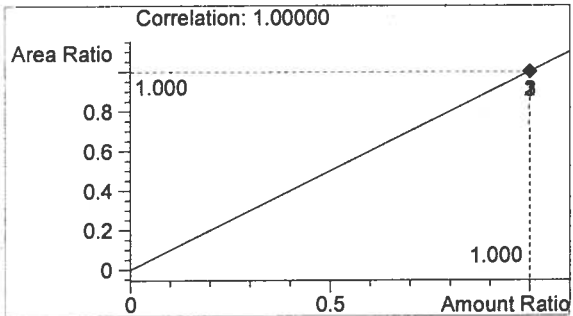
Inj. Date: 10/10/2014 2:58:41 PM      Sample Name: 14050-5  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 21  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1189	1.037
2	n-Propanol	2545	1.701



Ethanol      0.102 g/100mL



n-Propanol      0.012 g/100mL

*RF*

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

Inj. Date: 10/10/2014 3:01:54 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

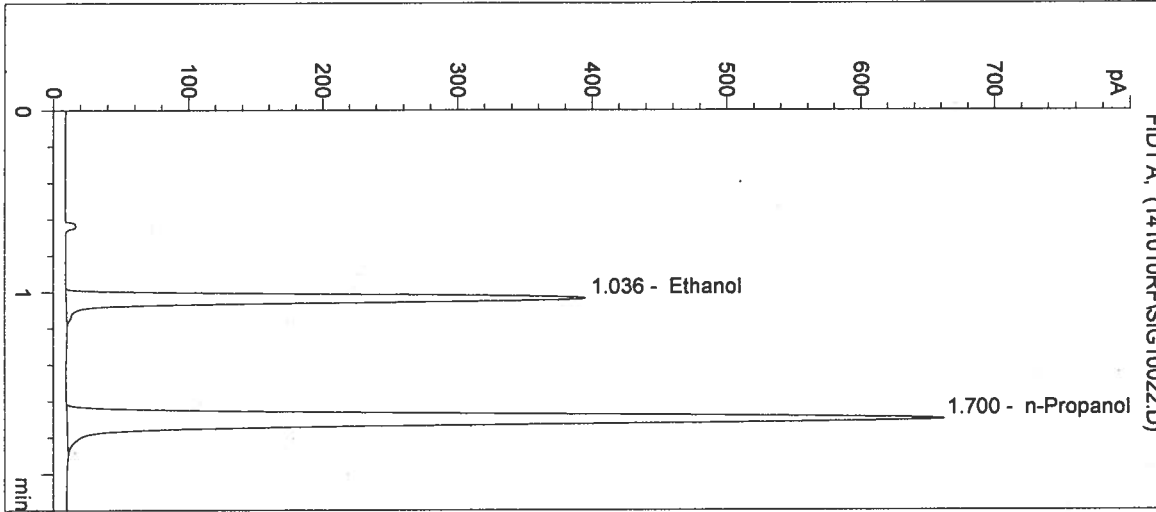
Operator: Rebecca Flaherty

Column: DB-ALC1

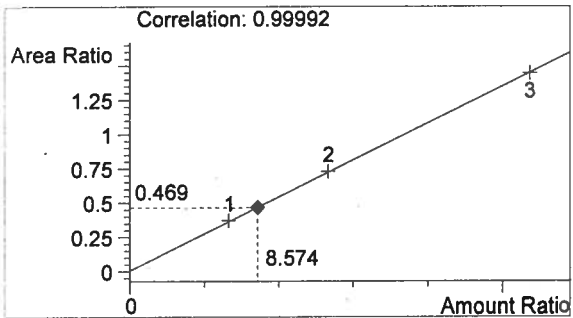
Location: Vial 22

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

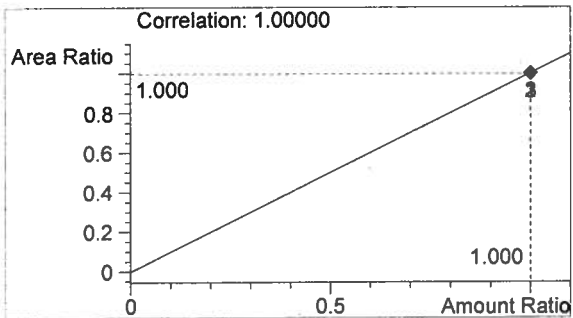
Sample Info: 14050



#	Compound	Peak Area	RT (min)
1	Ethanol	1200	1.036
2	n-Propanol	2558	1.700



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

*RF*

Inj. Date: 10/10/2014 3:05:07 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

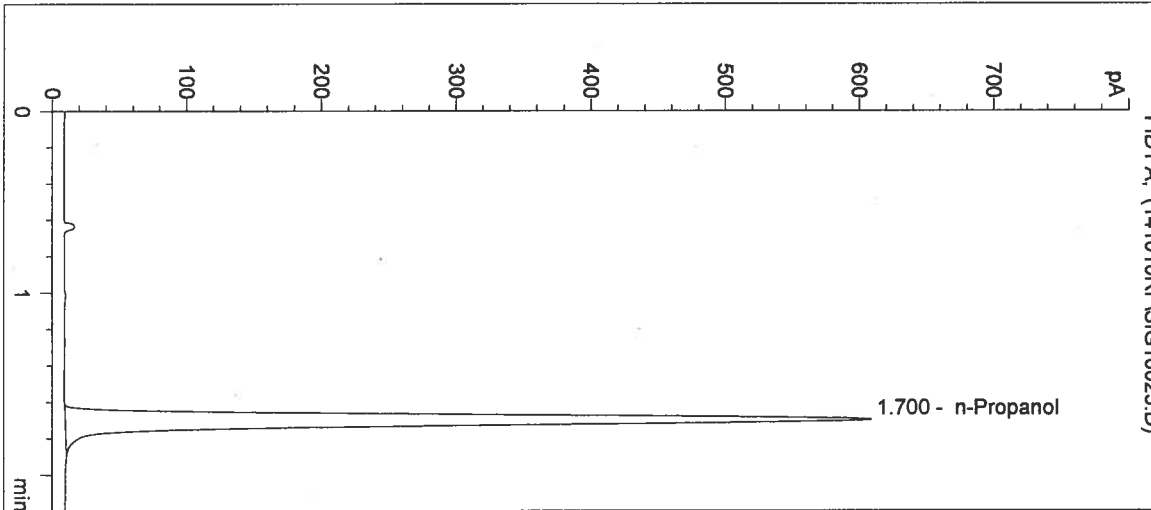
Operator: Rebecca Flaherty

Column: DB-ALC1

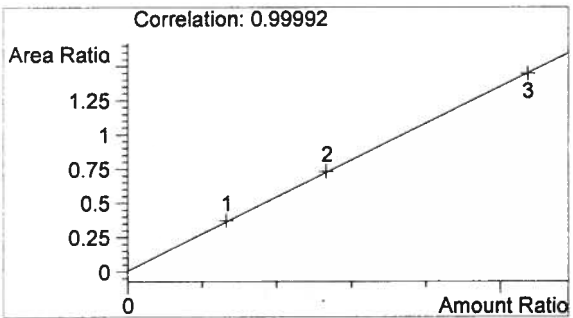
Location: Vial 23

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

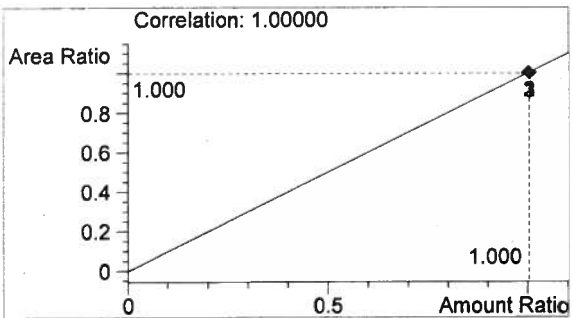
Sample Info: 14050



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2360	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*fu*

*RF*