



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16014

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: 04/25/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Justin L. Knoy

	JLK	AG	LK
1	0.100	0.099	0.099
2	0.100	0.099	0.099
3	0.099	0.099	0.099
4	0.099	0.099	0.101
5	0.099	0.099	0.099
C	0.100	0.101	0.101

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0993 g/100mL PRECISION CV (%): 0.60
STANDARD DEVIATION: 0.00059 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0807 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

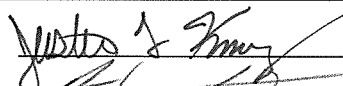
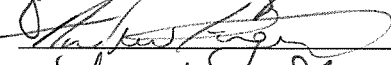
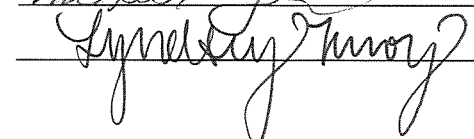
WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Lisa Noble Forensic Scientist Supervisor

5/26/16
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		04/25/2016
AG	Andrew Gingras		04/28/2016
LK	Lyndsey Knoy		05/02/2016

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 #: 16014

Date Prepared: 4/25/2016

Analyst:	JK	AG	LK
Date Tested:	4/25/2016	4/28/2016	5/2/2016
Instrument:	HSGC #1	HSGC #3	HSGC #1
1	0.100	0.099	0.099
2	0.100	0.099	0.099
3	0.099	0.099	0.099
4	0.099	0.099	0.101
5	0.099	0.099	0.099
C	0.100	0.101	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000023840	0.0000109644	0.0001016326

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

Average Solution Concentration: 0.0993 g/100mL
Standard Deviation: 0.00059 g/100mL
Precision CV (%): 0.60
Equivalent Vapor Concentration: 0.0807 g/210L
Combined Standard Uncertainty (\pm): 0.0009 g/210L
Expanded Uncertainty (\pm): 0.0018 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Nohle [Signature] 5/5/16
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 5-23-2016 Method: Hand calculation
Name Signature Date

Tech. review performed by: Lisa Nohle [Signature] 5/5/16
Name Signature Date

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 5-23-2014

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16014

	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: 5-23-2014



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>	5/6/16
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy	<i>JK</i>	5.6.16
Katie Harris		
Lyndsey Lowe (Knoy)	<i>LL</i>	5.6.16
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16014 In 5/5/16



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 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16014**

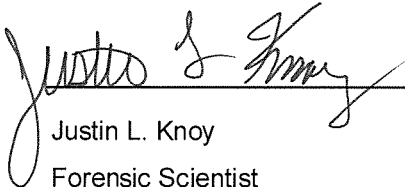
I, Justin L. Knoy, do certify under penalty of perjury that:

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 16014, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. 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 4/25/2017.

Seattle, WA

 5.6.16
Justin L. Knoy Date
Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16014**

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 16014, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. 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 4/25/2017.

Seattle, WA

 5/6/2016

Andrew Gingras
Forensic Scientist

Date



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16014**

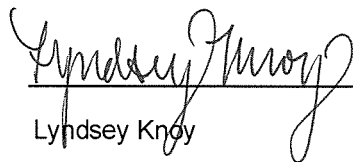
I, Lyndsey Knoy, do certify under penalty of perjury that:

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 Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16014, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. 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 4/25/2017.

Seattle, WA


Lyndsey Knoy
Forensic Scientist

5.6.16
Date



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

Preparation Date: 4-25-16 Expiration Date: 4-25-17 Initials of Preparer: JK

Lot # of 200-proof Ethanol used in preparation: 2EA0437

Date the 200-proof Ethanol bottle was opened: 4-7-16

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>16013</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16014</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u> </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16015</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>16016</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

4-25-16
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:

Justin S. King
Analyst Signature

4-25-16
Date

JK

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: 160425JK
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016
 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#P0316 - Exp. 06/29/2016

Calibration vials 1-9 filed with 16013.

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	16013-1	SIMALC1	1	Sample		
11	Vial 11	16013-2	SIMALC1	1	Sample		
12	Vial 12	16013-3	SIMALC1	1	Sample		
13	Vial 13	16013-4	SIMALC1	1	Sample		
14	Vial 14	16013-5	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	16014-1	SIMALC1	1	Sample		
18	Vial 18	16014-2	SIMALC1	1	Sample		
19	Vial 19	16014-3	SIMALC1	1	Sample		
20	Vial 20	16014-4	SIMALC1	1	Sample		
21	Vial 21	16014-5	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	16015-1	SIMALC1	1	Sample		
25	Vial 25	16015-2	SIMALC1	1	Sample		
26	Vial 26	16015-3	SIMALC1	1	Sample		

16014

Justin

JK

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	16015-4	SIMALC1	1	Sample		
28	Vial 28	16015-5	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	16016-1	SIMALC1	1	Sample		
32	Vial 32	16016-2	SIMALC1	1	Sample		
33	Vial 33	16016-3	SIMALC1	1	Sample		
34	Vial 34	16016-4	SIMALC1	1	Sample		
35	Vial 35	16016-5	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!

16014

Jm 5/5/16

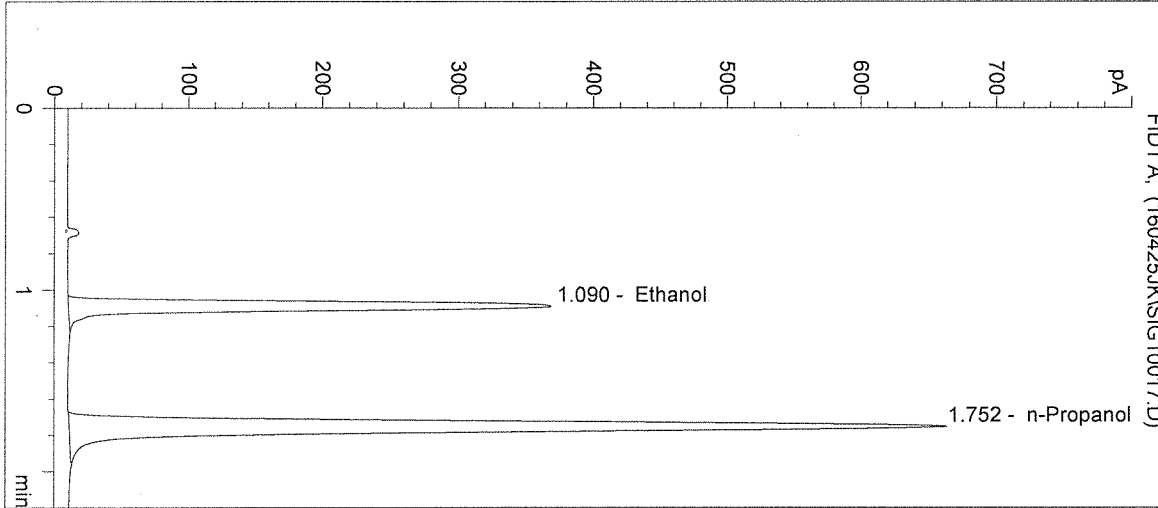
JR

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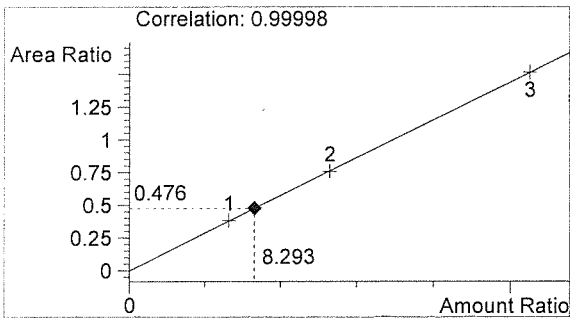
Inj. Date: 4/25/2016 12:48:14 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16014-1
Operator: Justin Knoy
Location: Vial 17

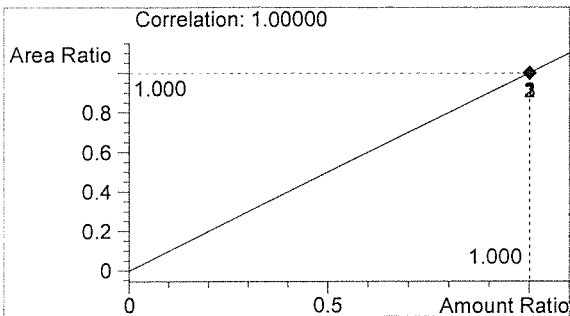
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1223	1.090
2	n-Propanol	2567	1.752



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

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Inj. Date: 4/25/2016 12:51:27 PM

Sample Name: 16014-2

Instrument: HSGC#1

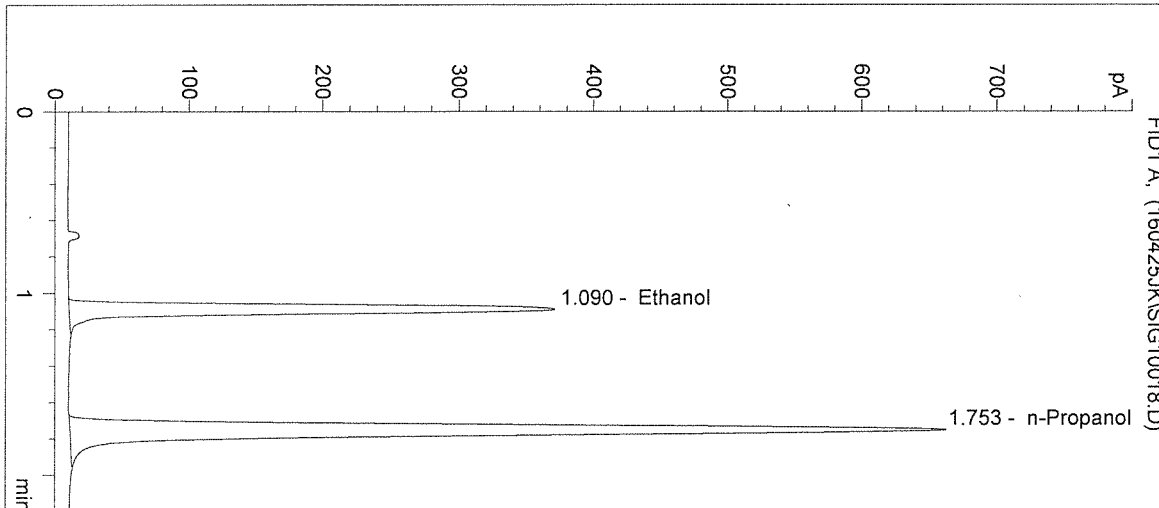
Operator: Justin Knoy

Column: DB-ALC1

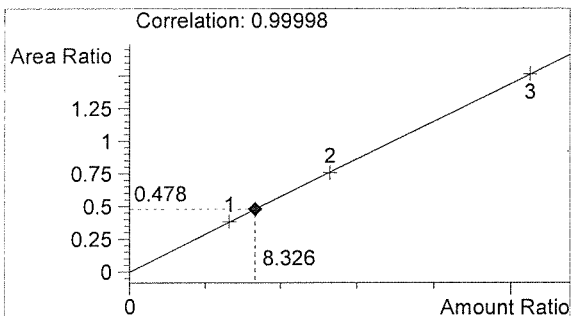
Location: Vial 18

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

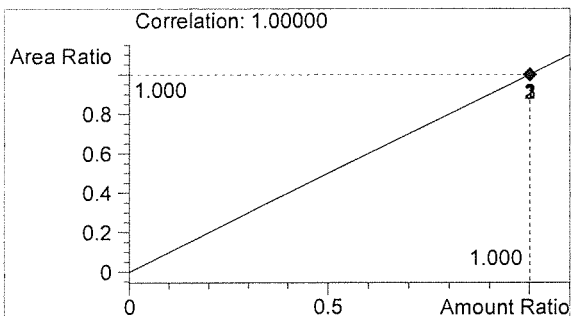
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.090
2	n-Propanol	2562	1.753



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

JK

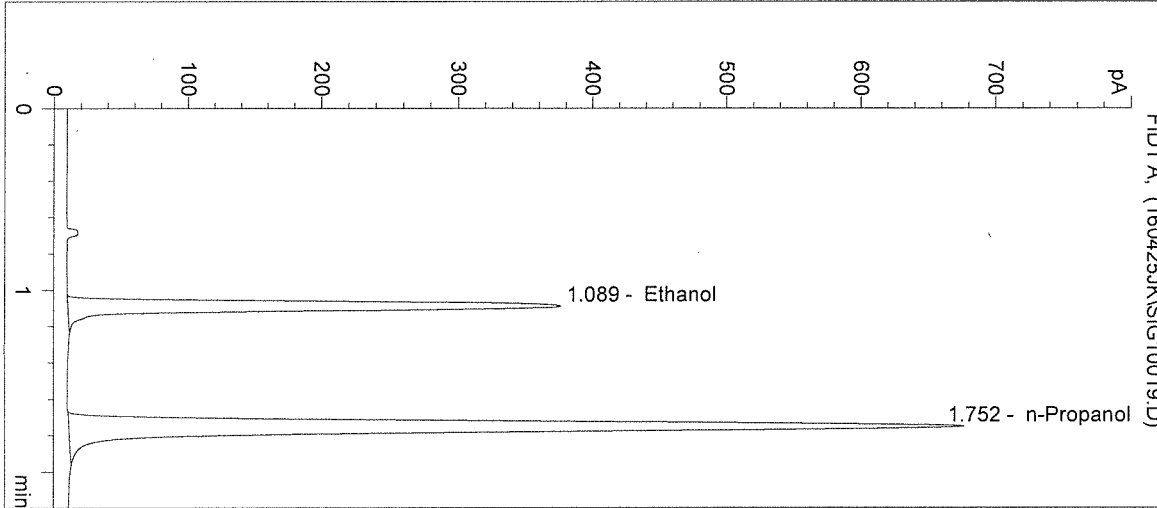
JK

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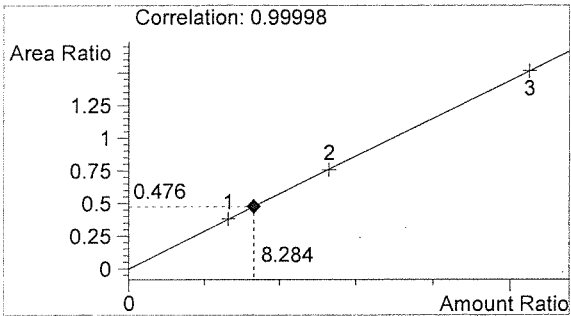
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 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16014-3
 Operator: Justin Knoy
 Location: Vial 19

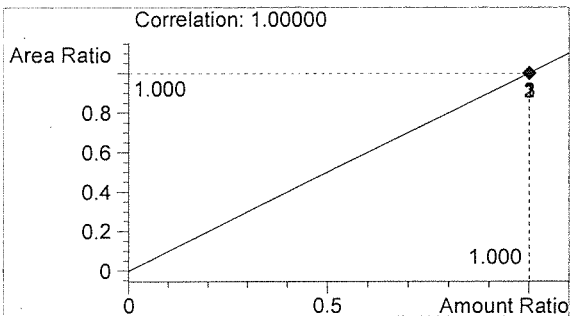
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1245	1.089
2	n-Propanol	2616	1.752



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

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Inj. Date: 4/25/2016 12:57:54 PM

Sample Name: 16014-4

Instrument: HSGC#1

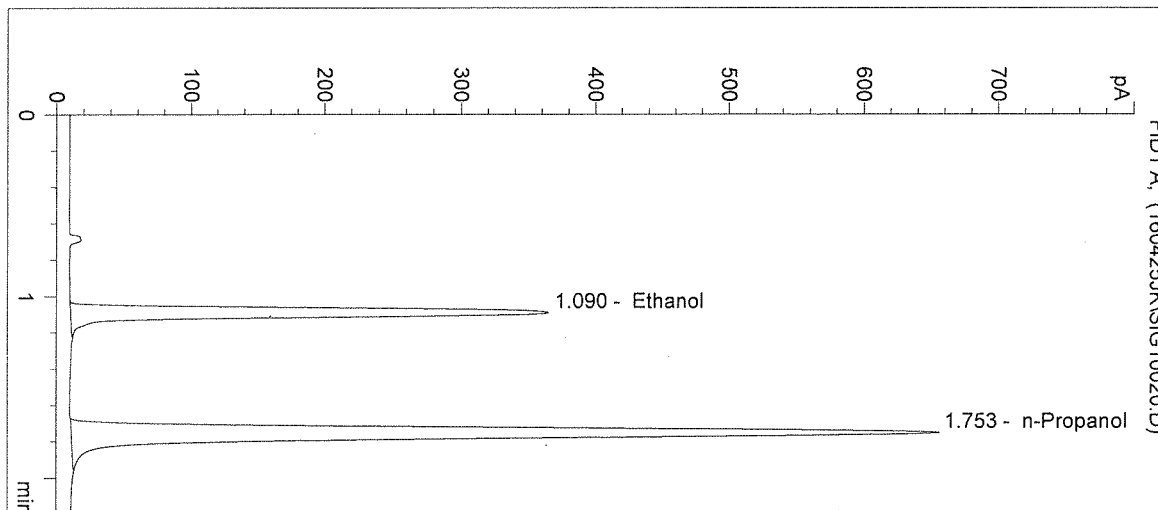
Operator: Justin Knoy

Column: DB-ALC1

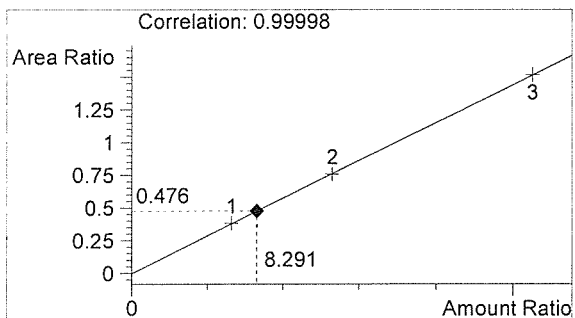
Location: Vial 20

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

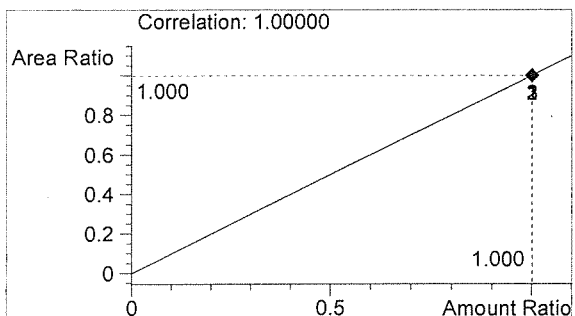
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1208	1.090
2	n-Propanol	2537	1.753



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

JK

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Inj. Date: 4/25/2016 1:01:07 PM

Sample Name: 16014-5

Instrument: HSGC#1

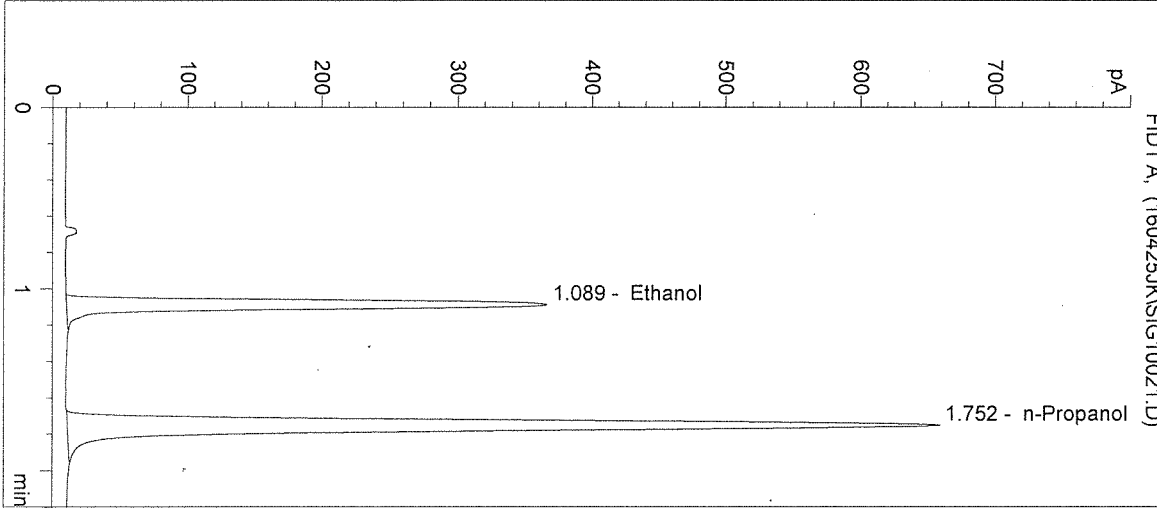
Operator: Justin Knoy

Column: DB-ALC1

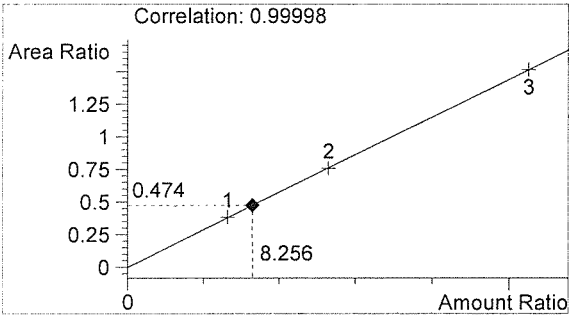
Location: Vial 21

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

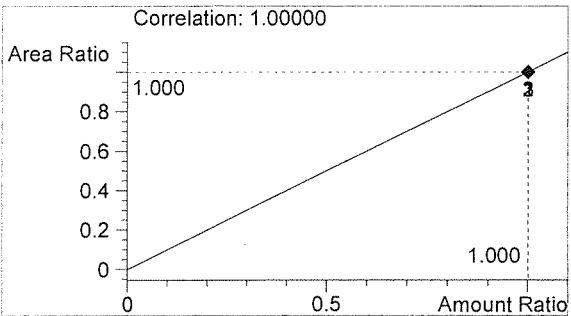
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1203	1.089
2	n-Propanol	2536	1.752



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

for

R

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Inj. Date: 4/25/2016 1:04:20 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

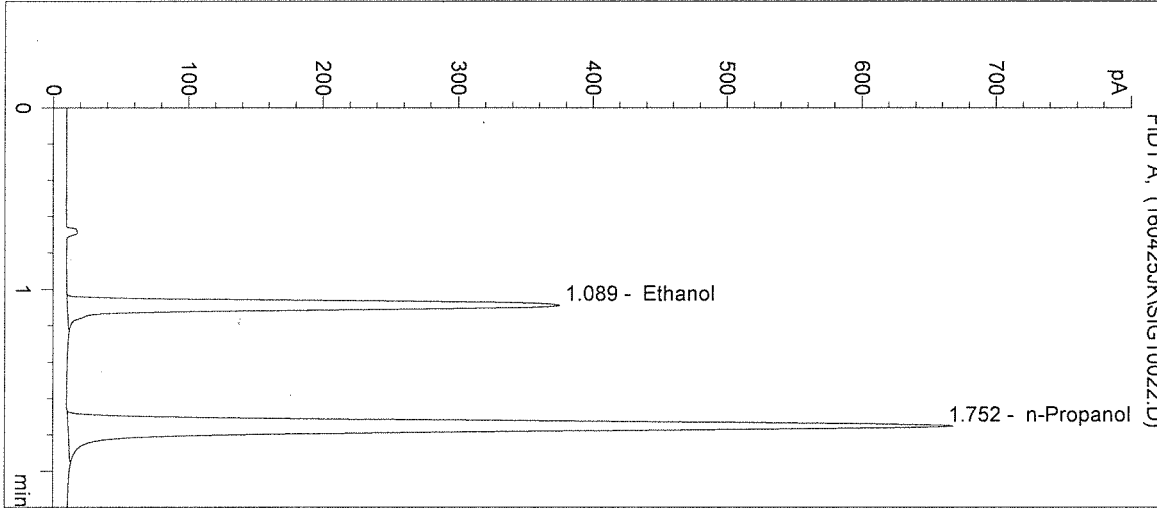
Operator: Justin Knoy

Column: DB-ALC1

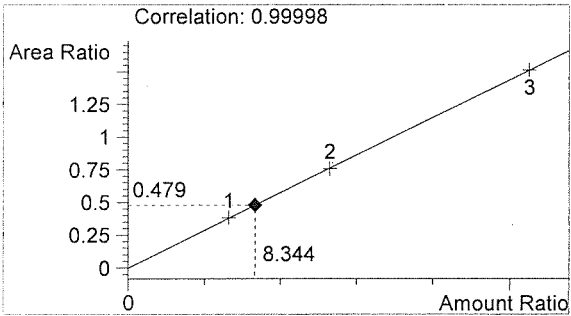
Location: Vial 22

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

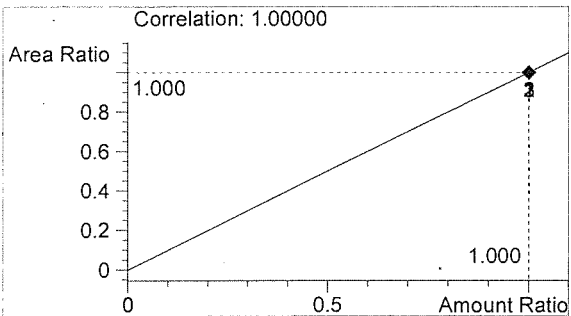
Sample Info: 16014



#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.089
2	n-Propanol	2575	1.752



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

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Inj. Date: 4/25/2016 1:07:34 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

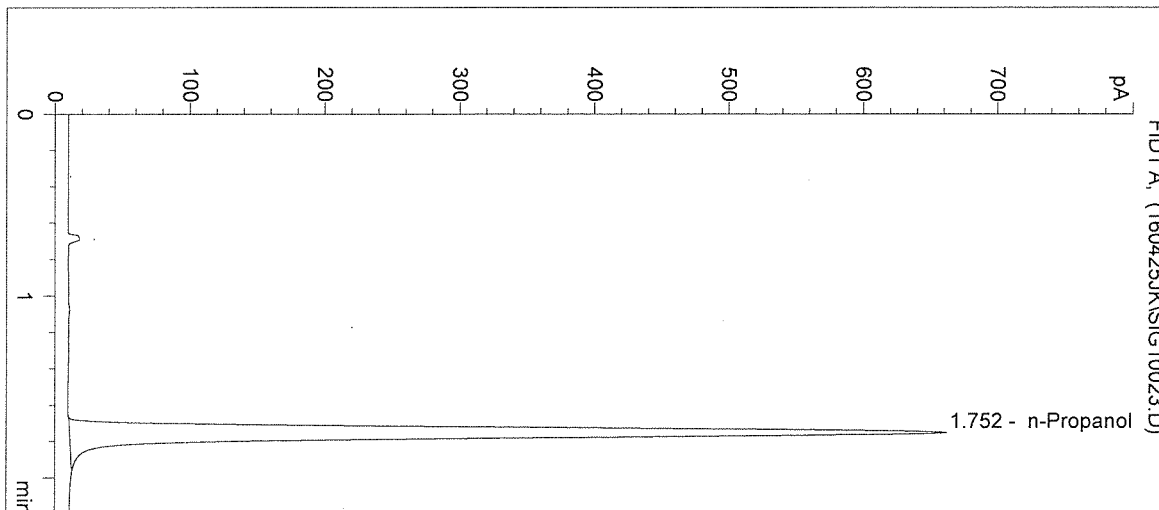
Operator: Justin Knoy

Column: DB-ALC1

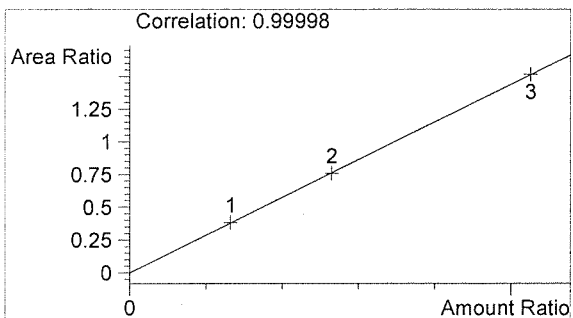
Location: Vial 23

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

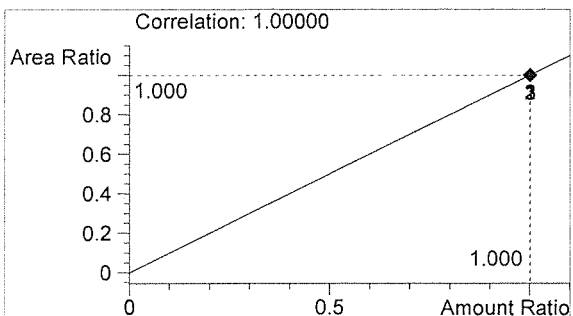
Sample Info: 16014



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2557	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

JK

JK

Sequence Parameters:

Operator: Andrew Gingras
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\2\DATA\
 Data Subdirectory: 160428AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/1/2016
 Ethanol Calibrator 2, E0416-02 - Exp. 10/1/2016
 Ethanol Calibrator 3, E0416-03 - Exp. 10/1/2016
 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#P0316 - Exp. 6/29/2016

Calibration, vials 1-9, filed with 16013

~~Calibration vials 1-9 filed with 14057~~

AG
4/28/16

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16013 #1	SIMALC3	1	Sample		
11	Vial 11	16013 #2	SIMALC3	1	Sample		
12	Vial 12	16013 #3	SIMALC3	1	Sample		
13	Vial 13	16013 #4	SIMALC3	1	Sample		
14	Vial 14	16013 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16014 #1	SIMALC3	1	Sample		
18	Vial 18	16014 #2	SIMALC3	1	Sample		
19	Vial 19	16014 #3	SIMALC3	1	Sample		
20	Vial 20	16014 #4	SIMALC3	1	Sample		
21	Vial 21	16014 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16015 #1	SIMALC3	1	Sample		

16014
fn151116

AG

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16015 #2	SIMALC3	1	Sample		
26	Vial 26	16015 #3	SIMALC3	1	Sample		
27	Vial 27	16015 #4	SIMALC3	1	Sample		
28	Vial 28	16015 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16016 #1	SIMALC3	1	Sample		
32	Vial 32	16016 #2	SIMALC3	1	Sample		
33	Vial 33	16016 #3	SIMALC3	1	Sample		
34	Vial 34	16016 #4	SIMALC3	1	Sample		
35	Vial 35	16016 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16014
Jns/5/11/16

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

Inj. Date: 4/28/2016 8:58:47 AM

Sample Name: 16014 #1

Instrument: HSGC#3

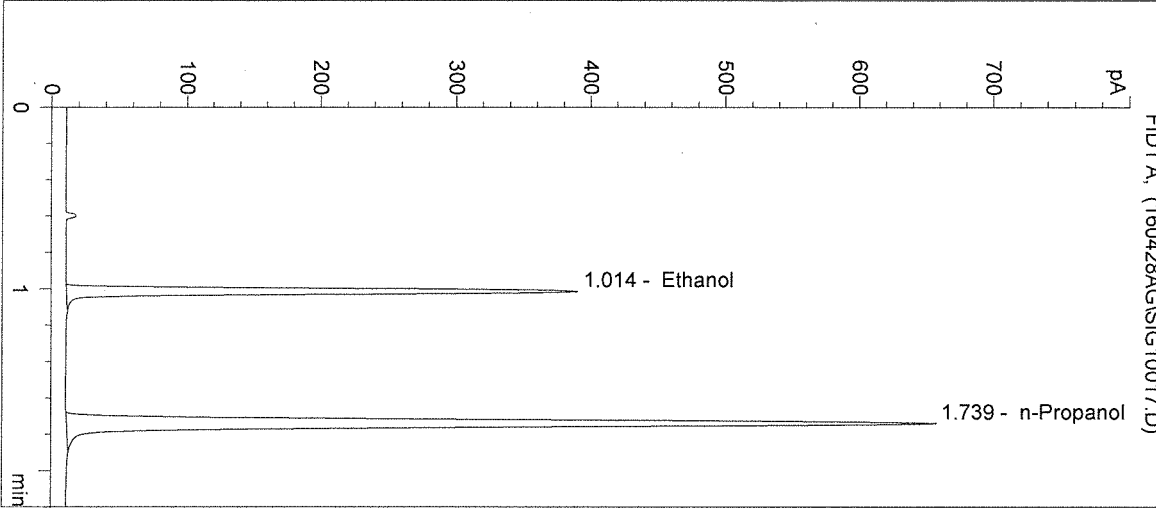
Operator: Andrew Gingras

Column: DB-ALC2

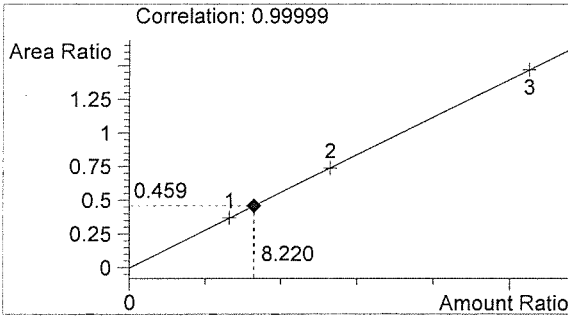
Location: Vial 17

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

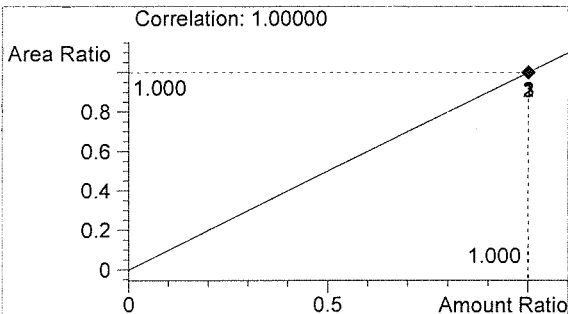
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	814	1.014
2	n-Propanol	1773	1.739



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

fr

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

Inj. Date: 4/28/2016 9:02:01 AM

Sample Name: 16014 #2

Instrument: HSGC#3

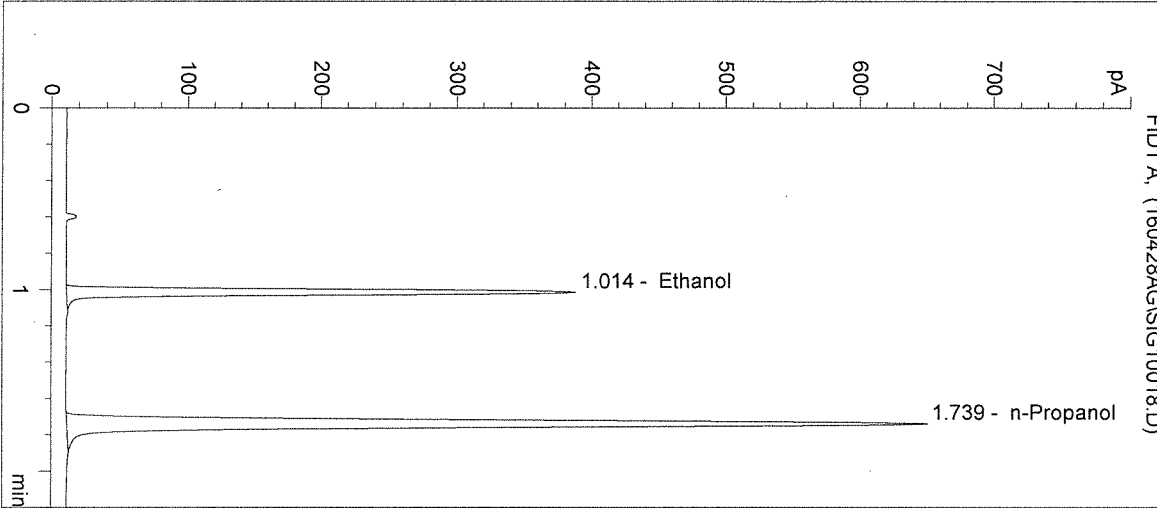
Operator: Andrew Gingras

Column: DB-ALC2

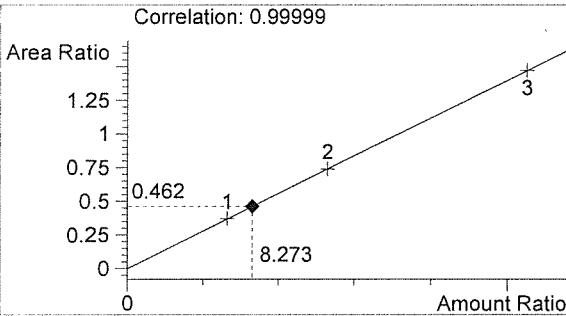
Location: Vial 18

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

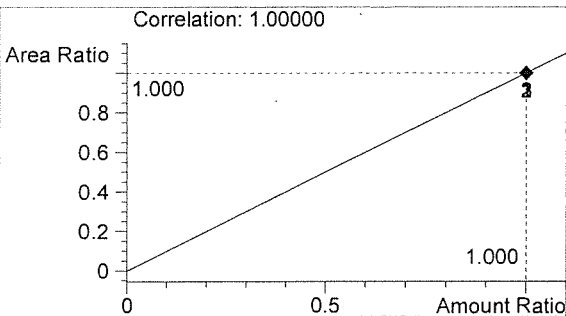
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	809	1.014
2	n-Propanol	1753	1.739



Ethanol 0.099 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: 4/28/2016 9:05:14 AM

Sample Name: 16014 #3

Instrument: HSGC#3

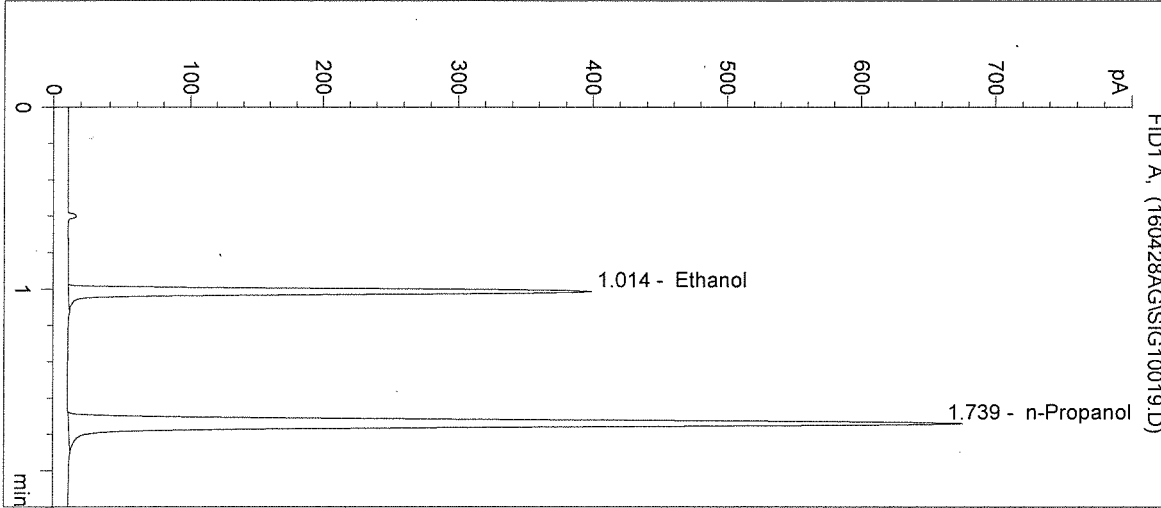
Operator: Andrew Gingras

Column: DB-ALC2

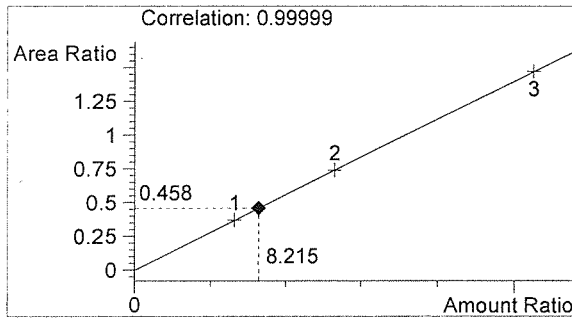
Location: Vial 19

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

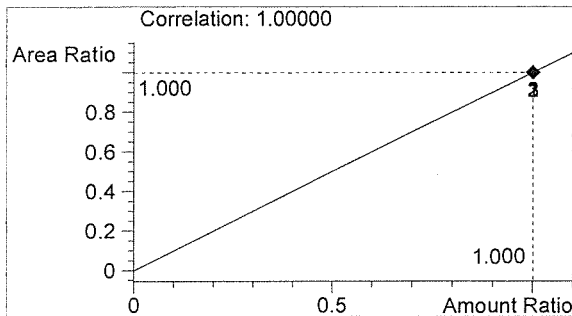
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	834	1.014
2	n-Propanol	1820	1.739



Ethanol 0.099 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: 4/28/2016 9:08:27 AM

Sample Name: 16014 #4

Instrument: HSGC#3

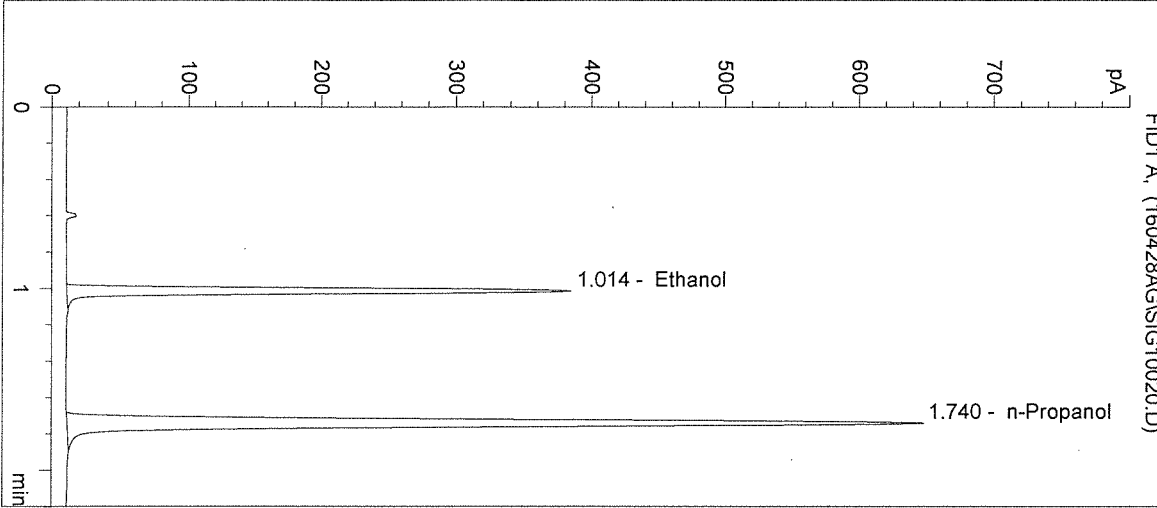
Operator: Andrew Gingras

Column: DB-ALC2

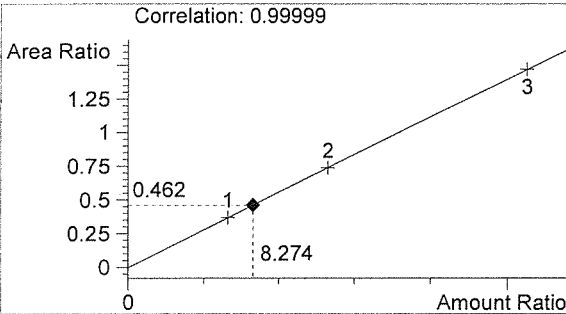
Location: Vial 20

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

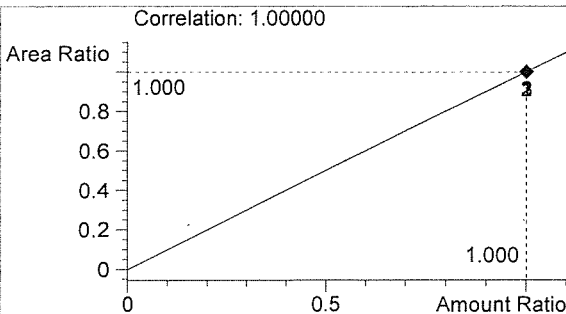
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	806	1.014
2	n-Propanol	1747	1.740



Ethanol 0.099 g/100mL



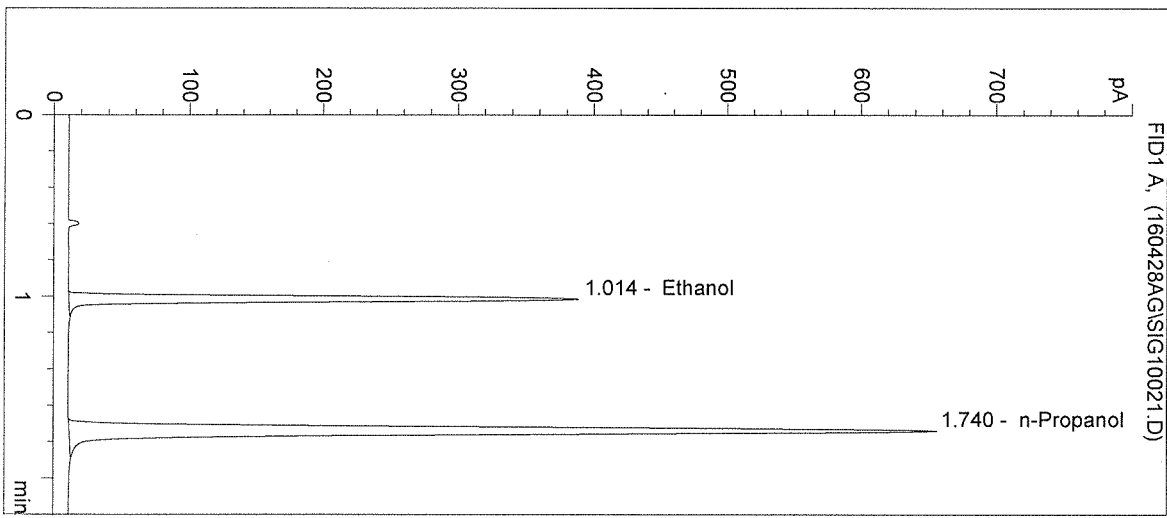
n-Propanol 0.012 g/100mL

fg

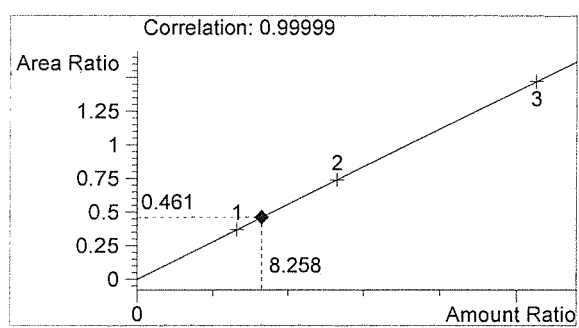
AS

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

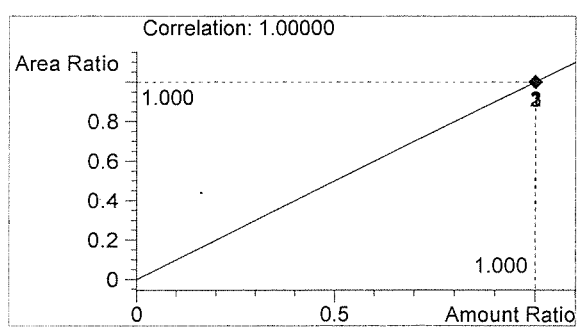
Inj. Date: 4/28/2016 9:11:40 AM Sample Name: 16014 #5
 Instrument: HSGC#3 Operator: Andrew Gingras
 Column: DB-ALC2 Location: Vial 21
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	815	1.014
2	n-Propanol	1769	1.740



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

pr

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

Inj. Date: 4/28/2016 9:14:54 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#3

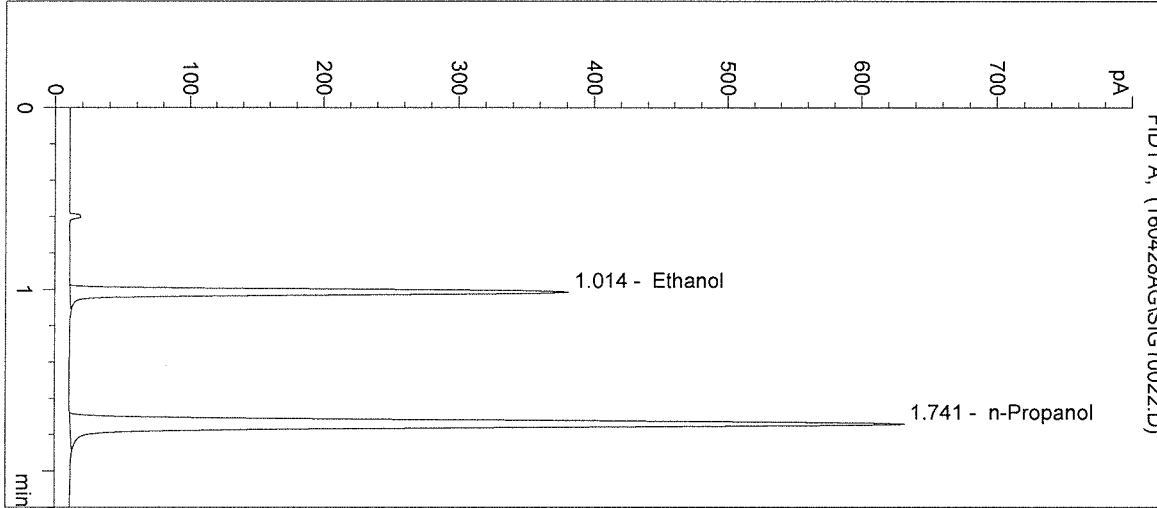
Operator: Andrew Gingras

Column: DB-ALC2

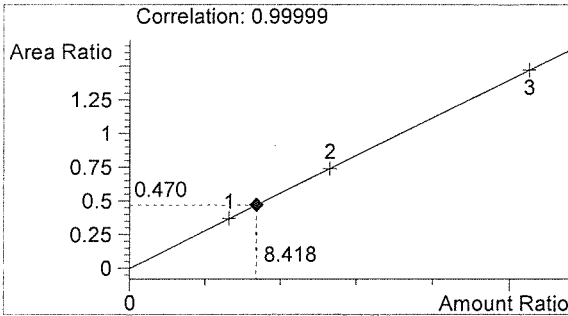
Location: Vial 22

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

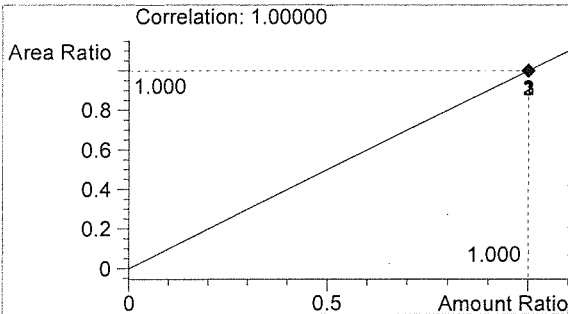
Sample Info: 16014



#	Compound	Peak Area	RT (min)
1	Ethanol	800	1.014
2	n-Propanol	1702	1.741



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

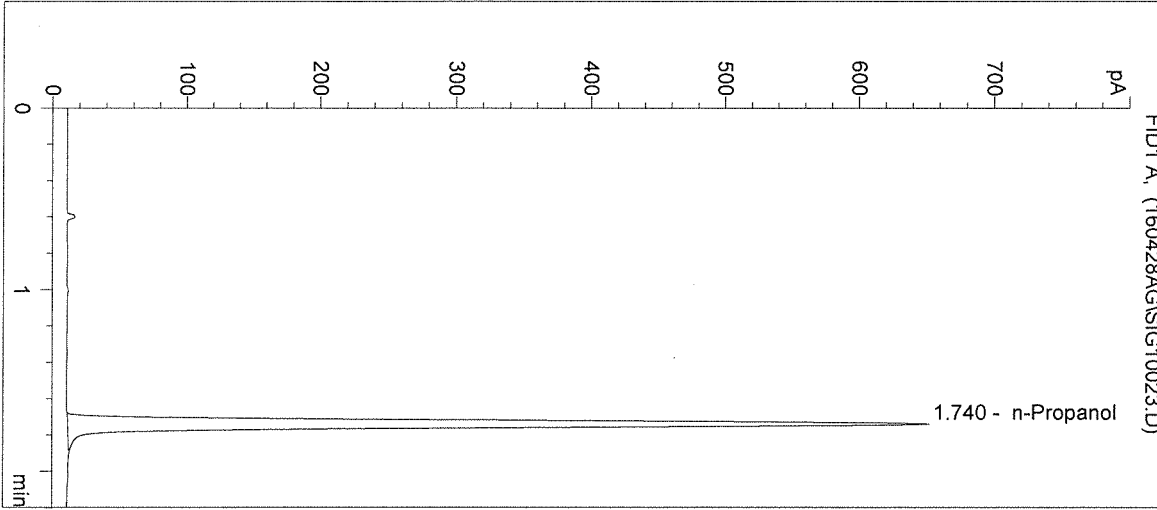
fr

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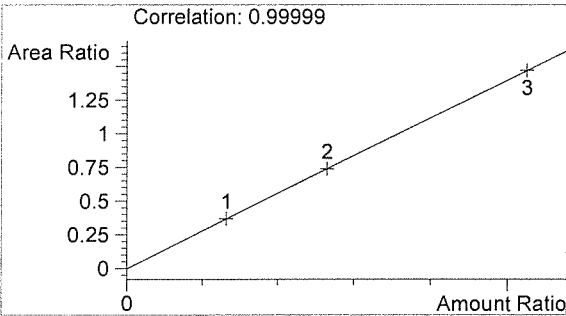
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 9:18:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 16014

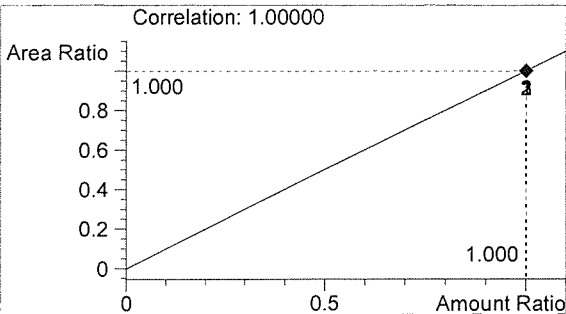
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 23



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1757	1.740



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Sequence Parameters:

Operator: Lyndsey 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: 160502LK
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/16
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/16
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/16

0.04 Control - Lot #FN05011301 - Exp. 05/2018
 0.10 Control - Lot #FN08051301 - Exp. 10/2018
 0.20 Control - Lot #FN03211401 - Exp. 06/2019

ISTD Lot#P0316 - Exp. 06/29/2016

Calibration 1-9 filed with 16013

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	Negative 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	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16013 #1	SIMALC1	1	Sample		
11	Vial 11	16013 #2	SIMALC1	1	Sample		
12	Vial 12	16013 #3	SIMALC1	1	Sample		
13	Vial 13	16013 #4	SIMALC1	1	Sample		
14	Vial 14	16013 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16014 #1	SIMALC1	1	Sample		
18	Vial 18	16014 #2	SIMALC1	1	Sample		
19	Vial 19	16014 #3	SIMALC1	1	Sample		
20	Vial 20	16014 #4	SIMALC1	1	Sample		
21	Vial 21	16014 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16015 #1	SIMALC1	1	Sample		

16014

Jn 9/5/16

JK

Sequence: C:\HPCHEM\1\SEQUENCE\LKQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16015 #2	SIMALC1	1	Sample		
26	Vial 26	16015 #3	SIMALC1	1	Sample		
27	Vial 27	16015 #4	SIMALC1	1	Sample		
28	Vial 28	16015 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16016 #1	SIMALC1	1	Sample		
32	Vial 32	16016 #2	SIMALC1	1	Sample		
33	Vial 33	16016 #3	SIMALC1	1	Sample		
34	Vial 34	16016 #4	SIMALC1	1	Sample		
35	Vial 35	16016 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	Negative 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!

16014

In 5/15/16

M

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

Inj. Date: 5/2/2016 2:09:45 PM

Sample Name: 16014 #1

Instrument: HSGC#1

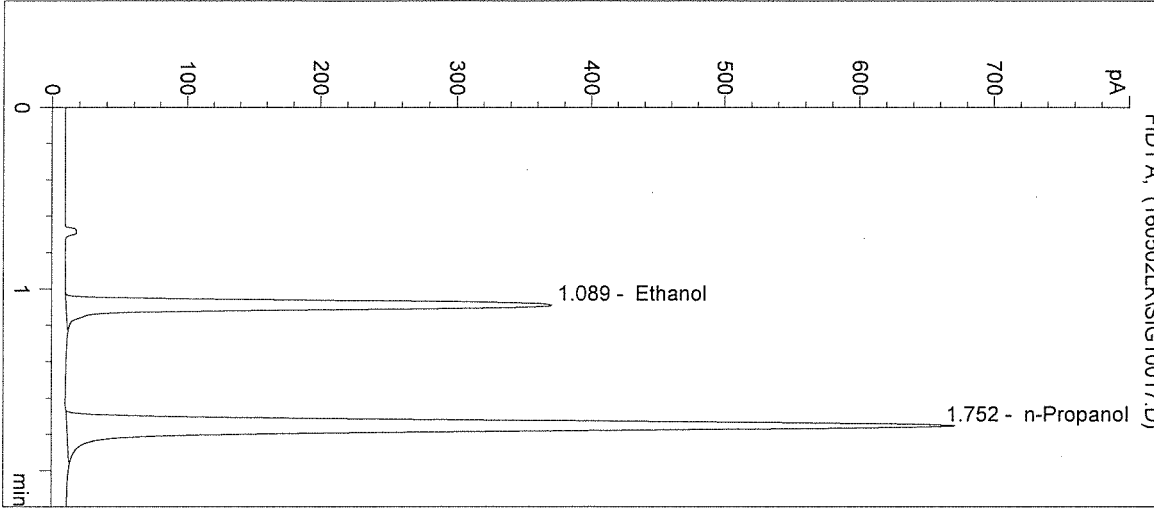
Operator: Lyndsey Knoy

Column: DB-ALC1

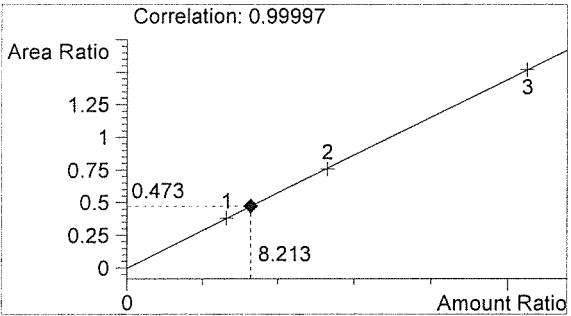
Location: Vial 17

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

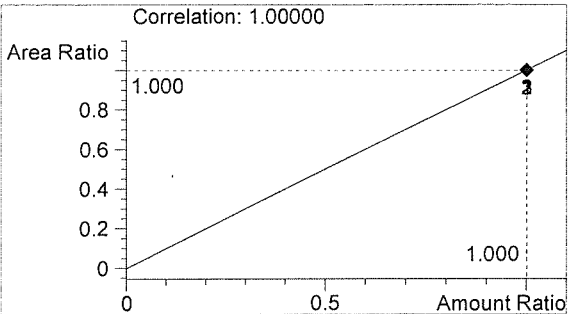
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1229	1.089
2	n-Propanol	2599	1.752



Ethanol 0.099 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: 5/2/2016 2:12:58 PM

Sample Name: 16014 #2

Instrument: HSGC#1

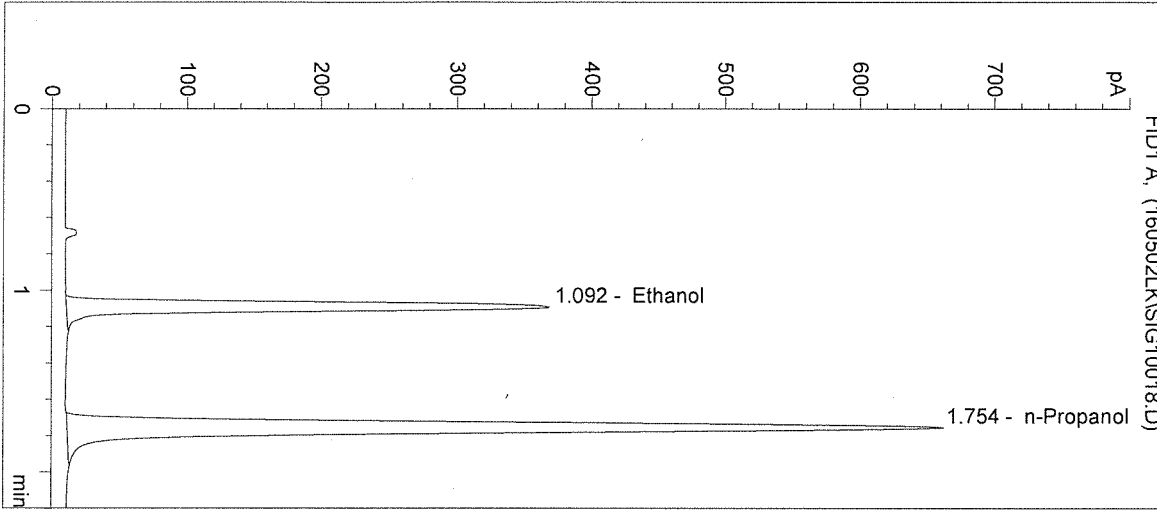
Operator: Lyndsey Knoy

Column: DB-ALC1

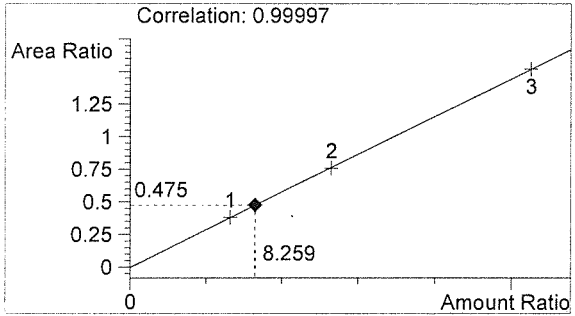
Location: Vial 18

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

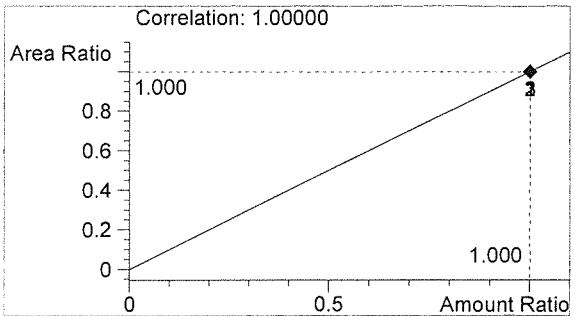
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1214	1.092
2	n-Propanol	2553	1.754



Ethanol 0.099 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: 5/2/2016 2:16:12 PM

Sample Name: 16014 #3

Instrument: HSGC#1

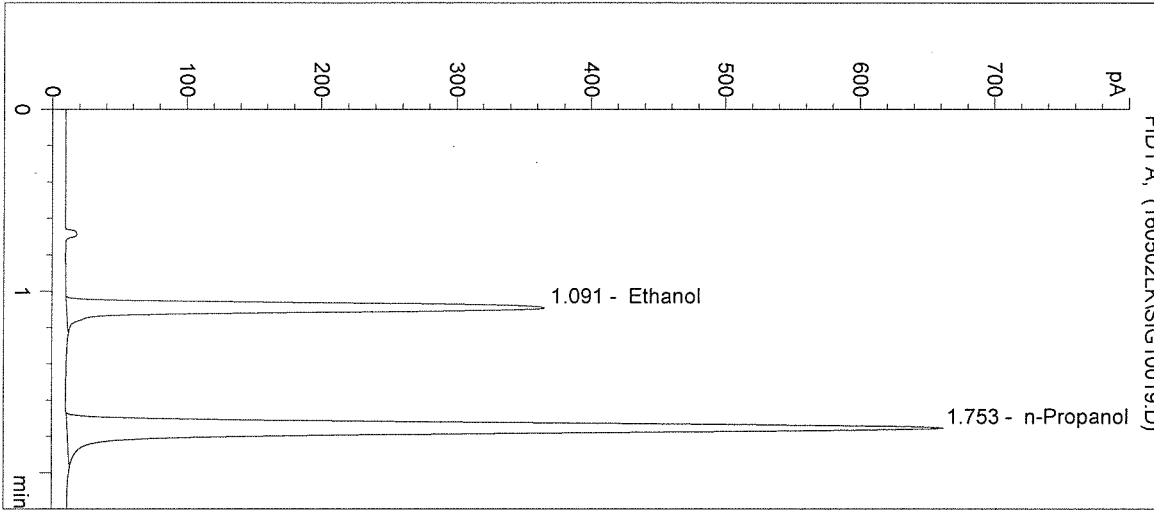
Operator: Lyndsey Knoy

Column: DB-ALC1

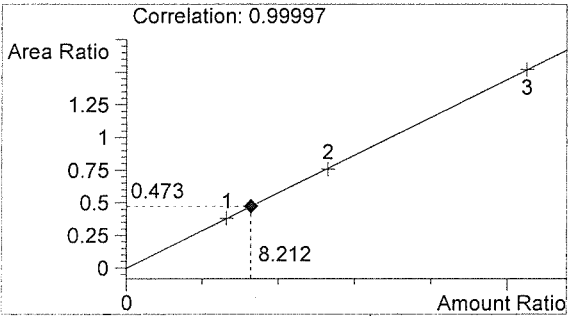
Location: Vial 19

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

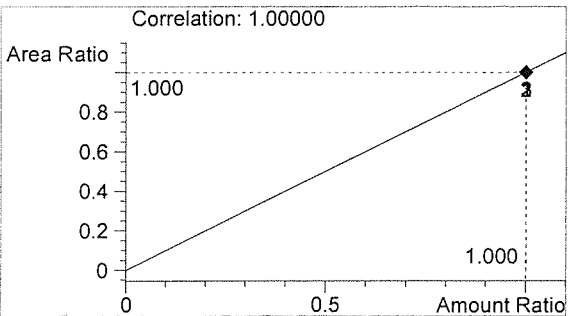
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1213	1.091
2	n-Propanol	2566	1.753



Ethanol 0.099 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: 5/2/2016 2:19:24 PM

Sample Name: 16014 #4

Instrument: HSGC#1

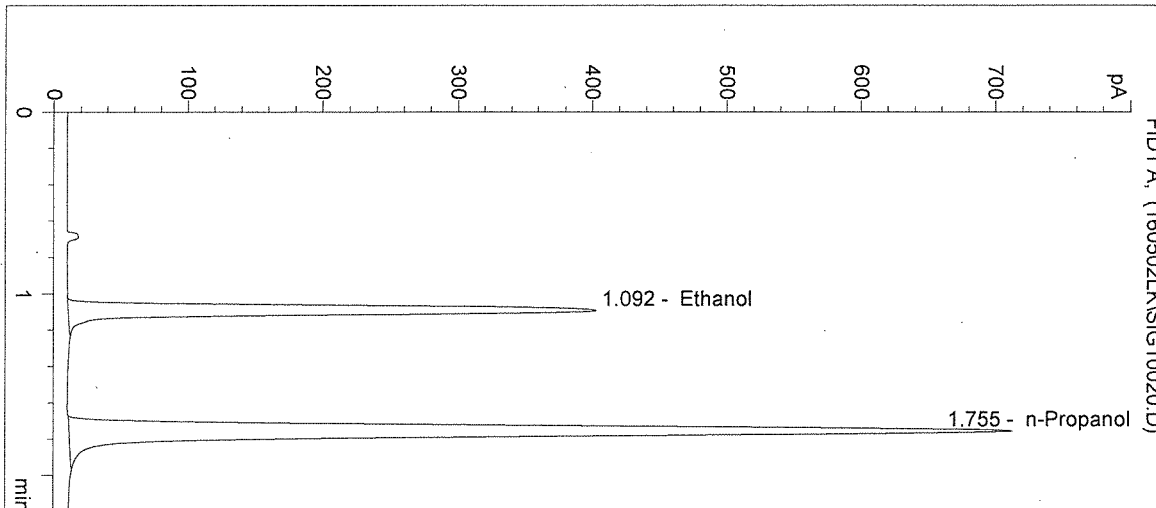
Operator: Lyndsey Knoy

Column: DB-ALC1

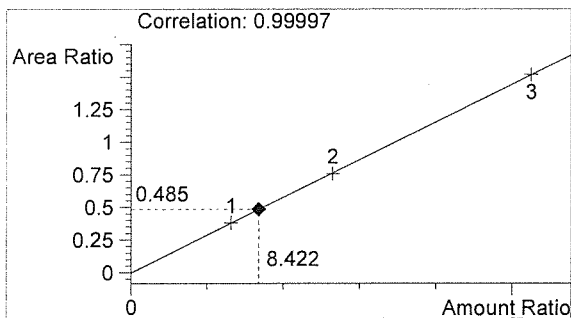
Location: Vial 20

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

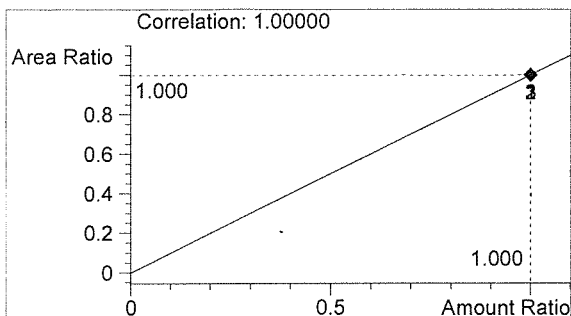
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1342	1.092
2	n-Propanol	2767	1.755



Ethanol 0.101 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: 5/2/2016 2:22:38 PM

Sample Name: 16014 #5

Instrument: HSGC#1

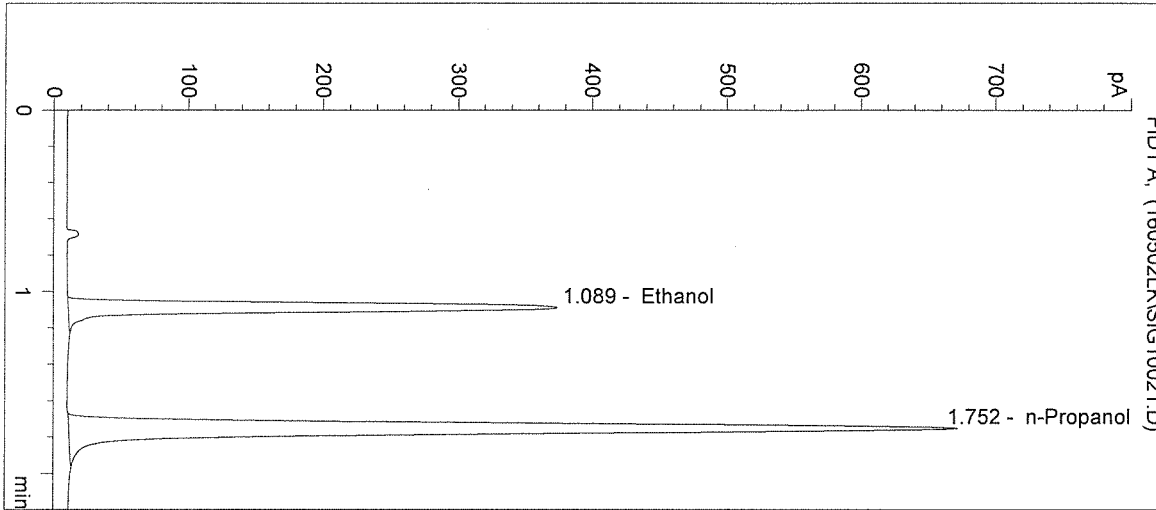
Operator: Lyndsey Knoy

Column: DB-ALC1

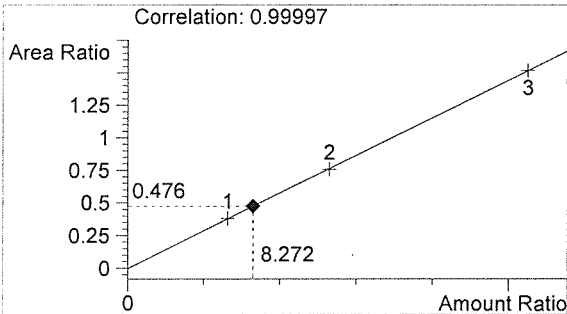
Location: Vial 21

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

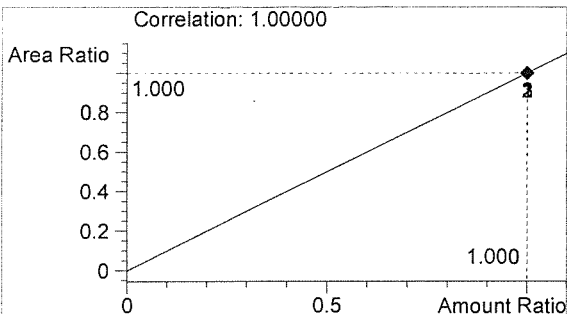
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.089
2	n-Propanol	2591	1.752



Ethanol 0.099 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: 5/2/2016 2:25:51 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

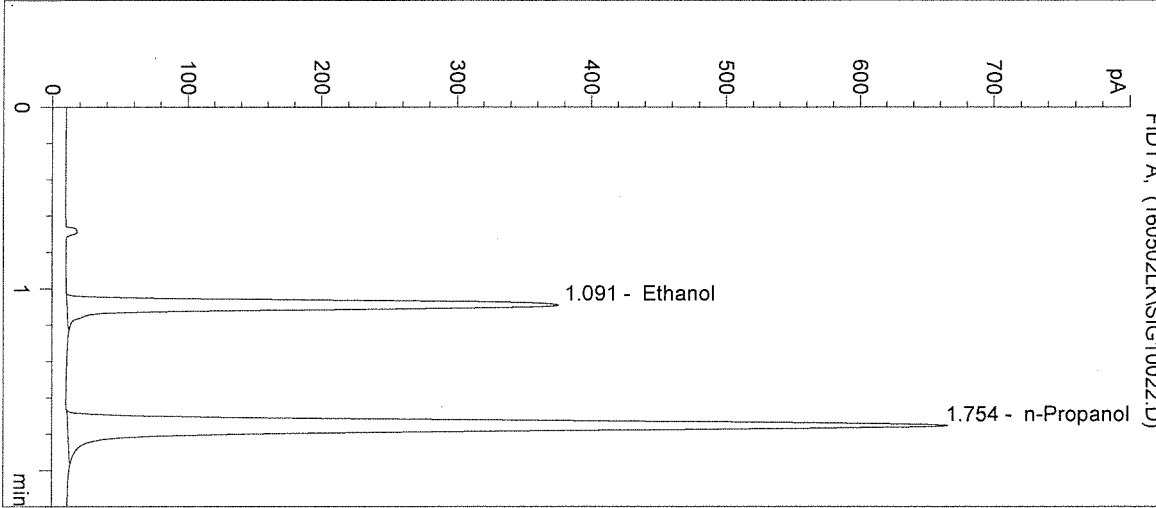
Operator: Lyndsey Knoy

Column: DB-ALC1

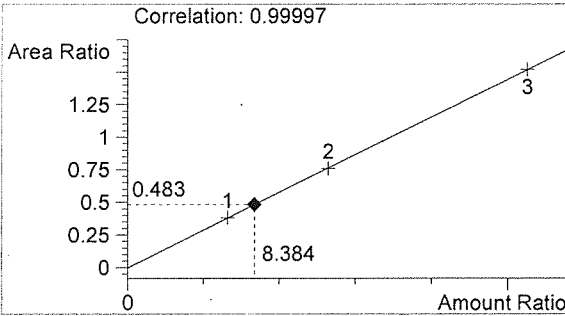
Location: Vial 22

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

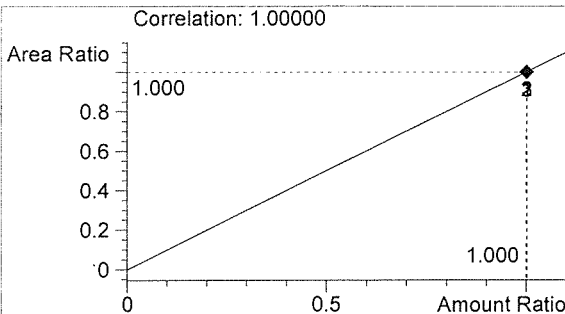
Sample Info: 16014



#	Compound	Peak Area	RT (min)
1	Ethanol	1246	1.091
2	n-Propanol	2581	1.754



Ethanol 0.101 g/100mL



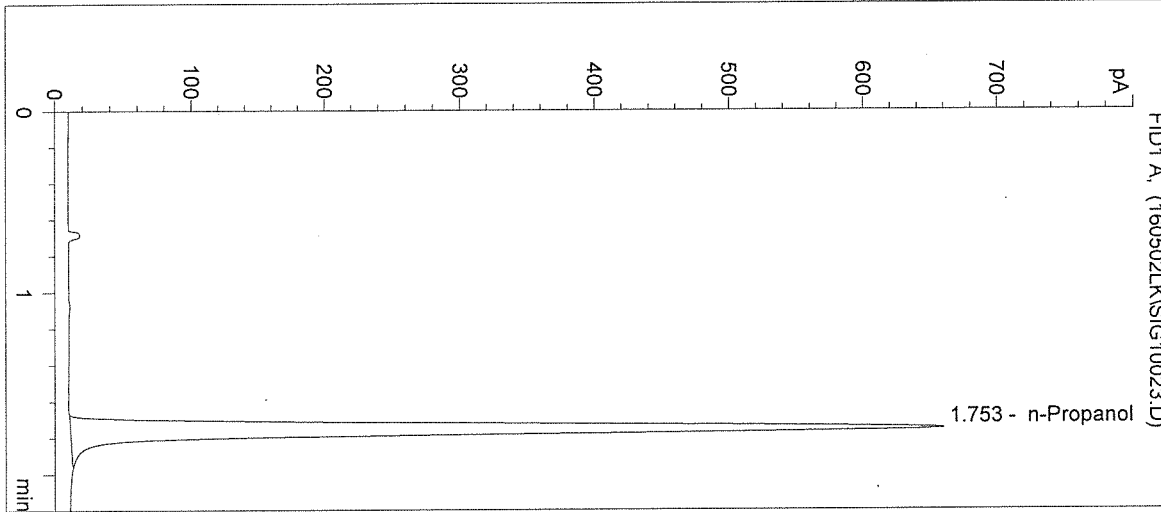
n-Propanol 0.012 g/100mL

Handwritten signature

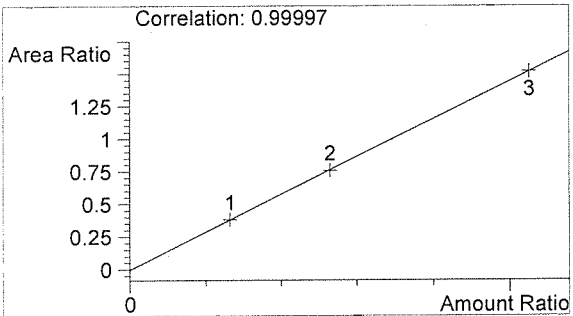
Handwritten signature

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

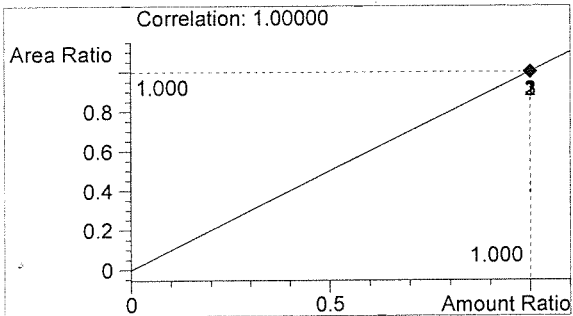
Inj. Date: 5/2/2016 2:29:04 PM Sample Name: Negative CTRL
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16014



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2557	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

JK

JK