



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 16037

**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: 10/03/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Rebecca Flaherty

	RF	AG	DN
1	0.101	0.101	0.101
2	0.101	0.101	0.100
3	0.100	0.102	0.100
4	0.100	0.101	0.102
5	0.102	0.101	0.102
C	0.102	0.101	0.103

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

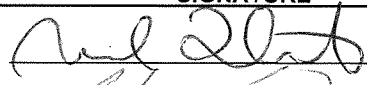
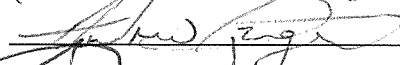
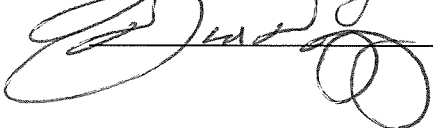
AVERAGE SOLUTION CONCENTRATION: 0.1010 g/100mL PRECISION CV (%): 0.75  
STANDARD DEVIATION: 0.00076 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0821 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0020 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

10/24/16  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
RF	Rebecca Flaherty		10/03/2016
AG	Andrew Gingras		10/05/2016
DN	David Nguyen		10/11/2016

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 #: 16037

Date Prepared: 10/3/2016

Analyst:	RF	AG	DN
Date Tested:	10/3/2016	10/5/2016	10/11/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.101	0.101	0.101
2	0.101	0.101	0.100
3	0.100	0.102	0.100
4	0.100	0.101	0.102
5	0.102	0.101	0.102
C	0.102	0.101	0.103

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000037345	0.0000320390	0.0001016326

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

Average Solution Concentration: 0.1010 g/100mL  
Standard Deviation: 0.00076 g/100mL  
Precision CV (%): 0.75  
Equivalent Vapor Concentration: 0.0821 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0010 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0020 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 10/12/16  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 10-21-16  
Name Signature Date

Method: Hand calculation

Tech. review performed by: Lisa Noble [Signature] 10/12/16  
Name Signature Date

[Signature]

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Black Date: 10-21-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16037

	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: 10-21-16



## 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
<b>Amanda Chandler</b>		
<b>Andrew Gingras</b>	AG	10/12/16
<b>Asa Louis</b>		
<b>Brittany Thomas</b>		
<b>Christie Mitchell-Mata</b>		
<b>Christopher Johnston</b>		
<b>David Nguyen</b>	DN	10/12/16
<b>Dawn Sklerov</b>		
<b>Elizabeth Wehner</b>		
<b>Justin Knoy</b>		
<b>Katie Harris</b>		
<b>Lyndsey Lowe</b>		
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>	RF	10/12/16

Batch # 16037 for 10/12/16

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 16037**

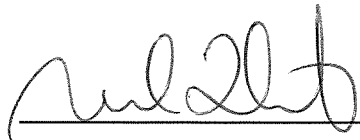
I, Rebecca Flaherty, do certify under penalty of perjury that:

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 16037, was prepared in the Washington State Toxicology Laboratory on 10/3/2016. 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 10/3/2017.

Seattle, WA

 10/12/16

Rebecca Flaherty

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 16037**

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 16037, was prepared in the Washington State Toxicology Laboratory on 10/3/2016. 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 10/3/2017.

Seattle, WA

 10/12/16

Andrew Gingras  
Forensic Scientist

Date





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

Preparation Date: 10.3.16 Expiration Date: 10.3.17 Initials of Preparer: RFLot # of 200-proof Ethanol used in preparation: 2DK0010Date the 200-proof Ethanol bottle was opened: 8.8.16

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>16035</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16036</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>16038</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16039</u>
QAP <del>0.20</del> 0.08 RF10.3.16	<del>56.1</del> 11.2 RF10.3.16	18	<input checked="" type="checkbox"/>	<u>16037</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 10.3.16  
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:

Batch 16036 not bottled due to testing outside acceptable range - RF 10.3.16

  
Analyst Signature

10.3.16  
Date

fr



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: 161003RF  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0916-01 - Exp. 3/15/17  
 Ethanol Calibrator 2, E0916-02 - Exp. 3/15/17  
 Ethanol Calibrator 3, E0916-03 - Exp. 3/15/17  
 CTRL1 (0.04g/100mL), Lot#FN05011301 - Exp: 5/2018  
 CTRL2 (0.10g/100mL), Lot#FN08051301 - Exp. 10/2018  
 CTRL3 (0.20g/100mL), Lot#FN03211401 - Exp. 06/2019  
 Internal Standard Lot#P0916 - Exp. 12/21/16

Calibration vials 1-9 filed with 16035.

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	16035-1	SIMALC1	1	Sample		
11	Vial 11	16035-2	SIMALC1	1	Sample		
12	Vial 12	16035-3	SIMALC1	1	Sample		
13	Vial 13	16035-4	SIMALC1	1	Sample		
14	Vial 14	16035-5	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	16036-1	SIMALC1	1	Sample		
18	Vial 18	16036-2	SIMALC1	1	Sample		
19	Vial 19	16036-3	SIMALC1	1	Sample		
20	Vial 20	16036-4	SIMALC1	1	Sample		
21	Vial 21	16036-5	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	16037-1	SIMALC1	1	Sample		
25	Vial 25	16037-2	SIMALC1	1	Sample		

16037  
*Injected*

RF

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
26	Vial 26	16037-3	SIMALC1	1	Sample		
27	Vial 27	16037-4	SIMALC1	1	Sample		
28	Vial 28	16037-5	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	16038-1	SIMALC1	1	Sample		
32	Vial 32	16038-2	SIMALC1	1	Sample		
33	Vial 33	16038-3	SIMALC1	1	Sample		
34	Vial 34	16038-4	SIMALC1	1	Sample		
35	Vial 35	16038-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	16039-1	SIMALC1	1	Sample		
39	Vial 39	16039-2	SIMALC1	1	Sample		
40	Vial 40	16039-3	SIMALC1	1	Sample		
41	Vial 41	16039-4	SIMALC1	1	Sample		
42	Vial 42	16039-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	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!

16037  
InjVol

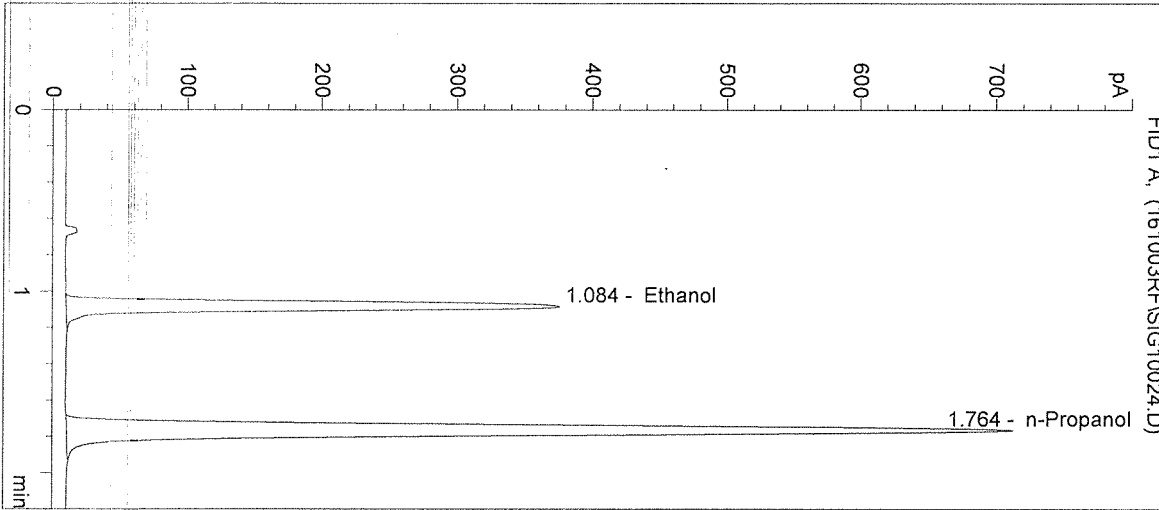
RF

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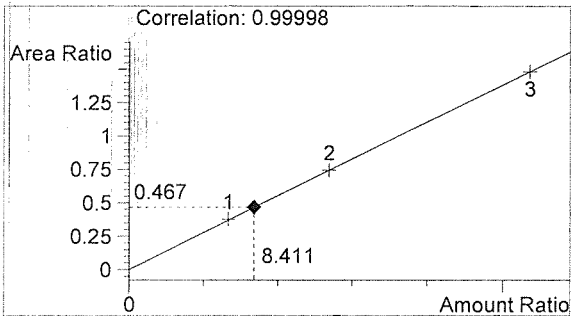
Inj. Date: 10/3/2016 2:16:28 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16037-1  
 Operator: Rebecca Flaherty  
 Location: Vial 24

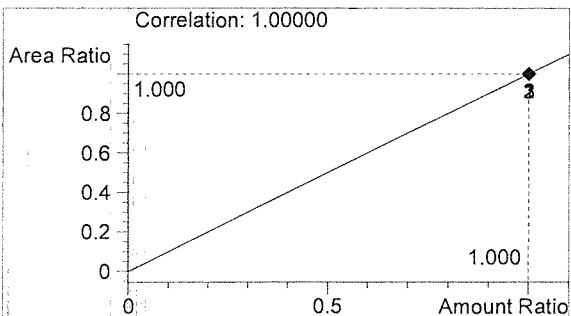
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.084
2	n-Propanol	2639	1.764



Ethanol 0.101 g/100mL



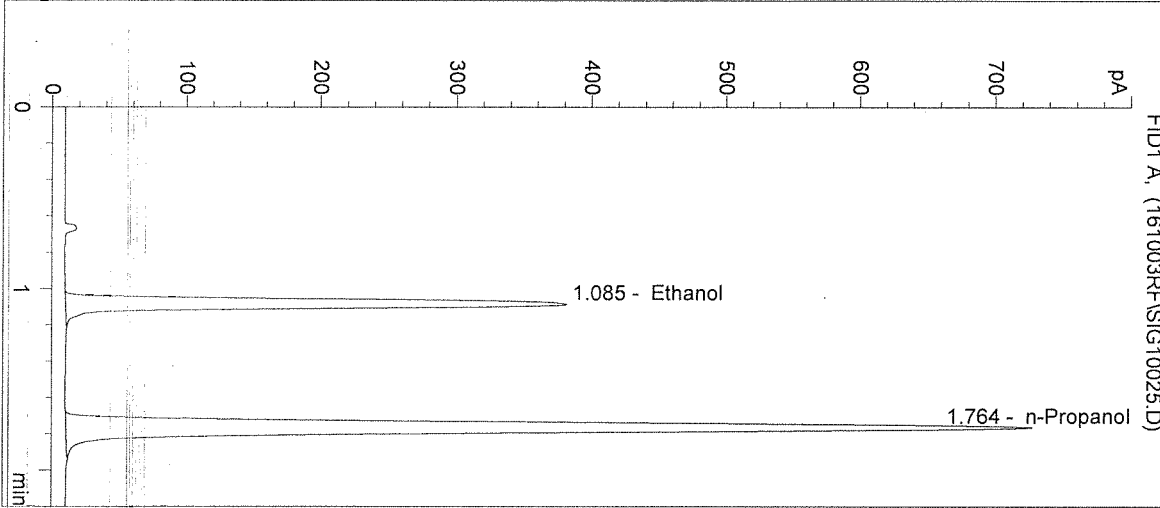
n-Propanol 0.012 g/100mL

*RF*

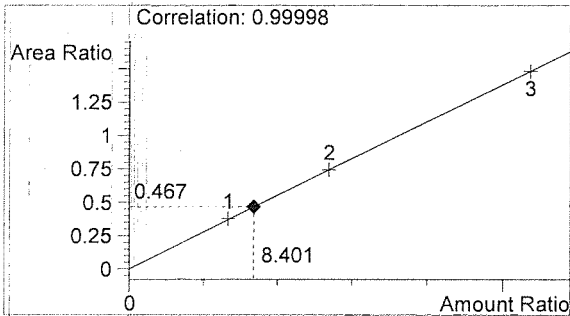
*RF*

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Inj. Date: 10/3/2016 2:19:41 PM      Sample Name: 16037-2  
Instrument: HSGC#1      Operator: Rebecca Flaherty  
Column: DB-ALC1      Location: Vial 25  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:

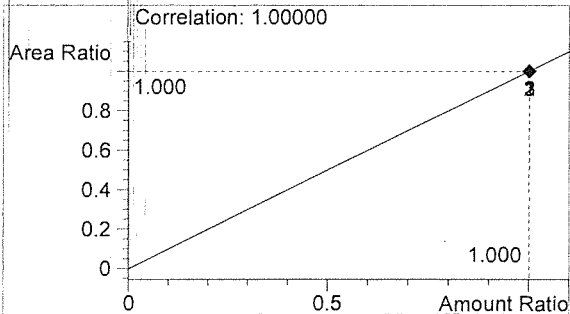


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.085
2	n-Propanol	2691	1.764



Ethanol      0.101 g/100mL

*RF*



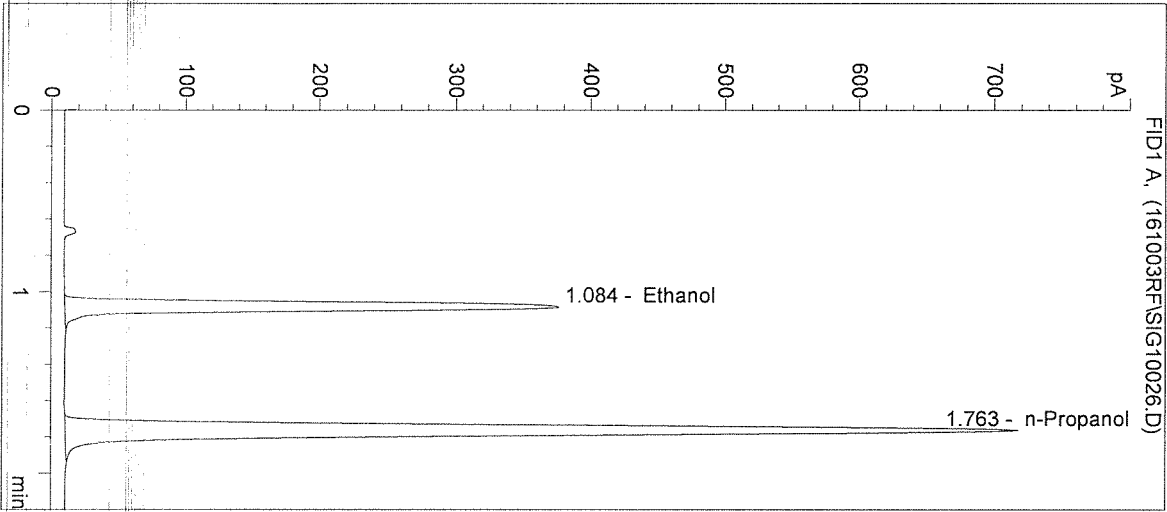
n-Propanol      0.012 g/100mL

*RF*

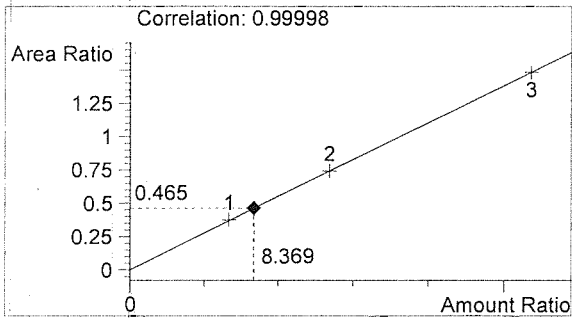
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/3/2016 2:22:55 PM      Sample Name: 16037-3  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 26  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

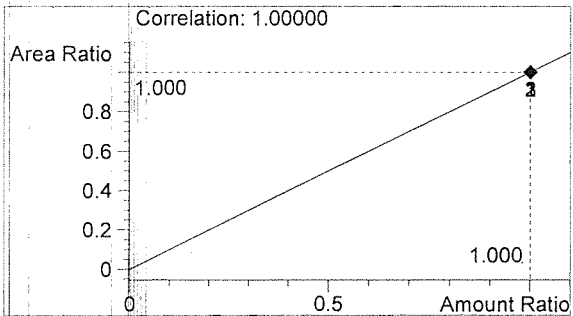
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1233	1.084
2	n-Propanol	2652	1.763



Ethanol      0.100 g/100mL



n-Propanol      0.012 g/100mL

*RF*

*RF*

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Inj. Date: 10/3/2016 2:26:08 PM

Sample Name: 16037-4

Instrument: HSGC#1

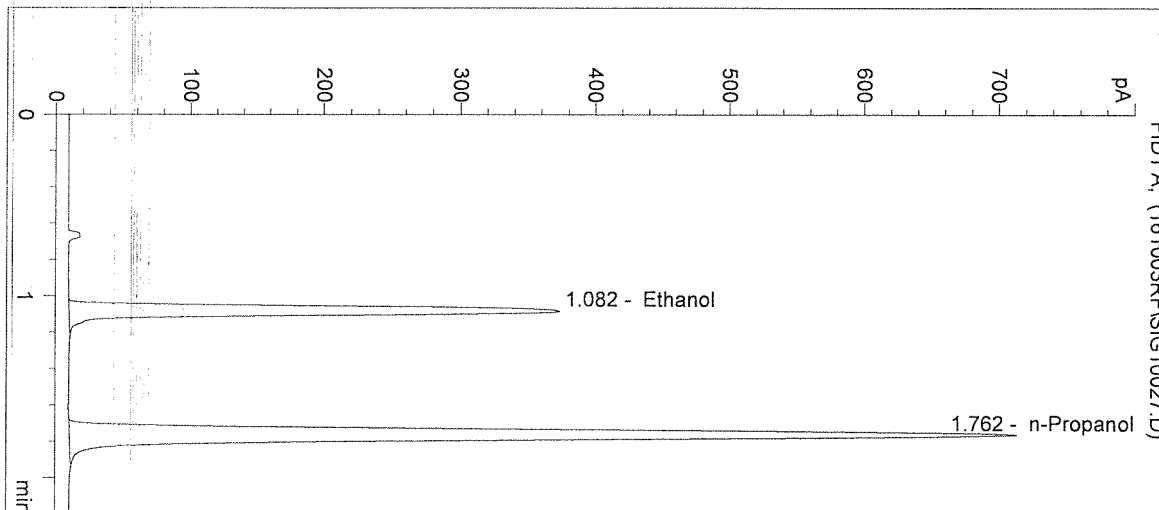
Operator: Rebecca Flaherty

Column: DB-ALC1

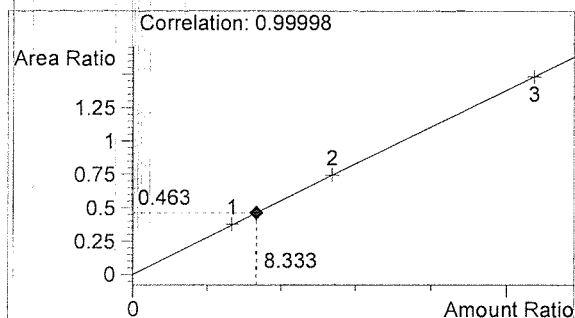
Location: Vial 27

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

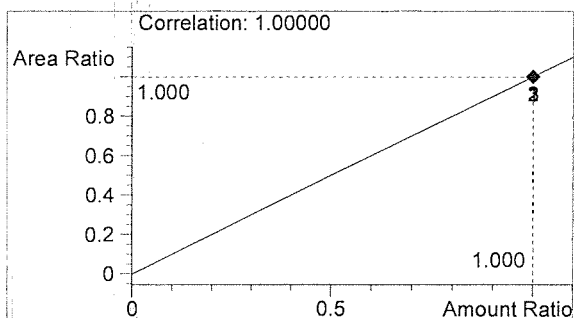
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1220	1.082
2	n-Propanol	2633	1.762



Ethanol 0.100 g/100mL



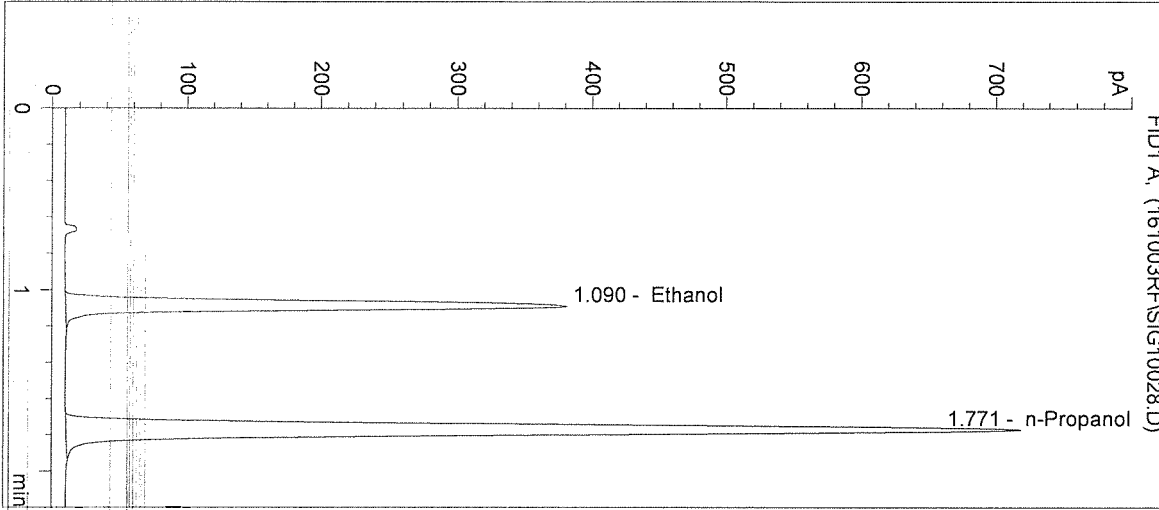
n-Propanol 0.012 g/100mL

*RF*

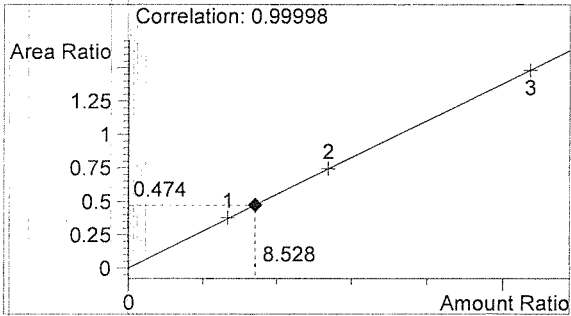
*RF*

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Inj. Date: 10/3/2016 2:29:21 PM      Sample Name: 16037-5  
Instrument: HSGC#1      Operator: Rebecca Flaherty  
Column: DB-ALC1      Location: Vial 28  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:

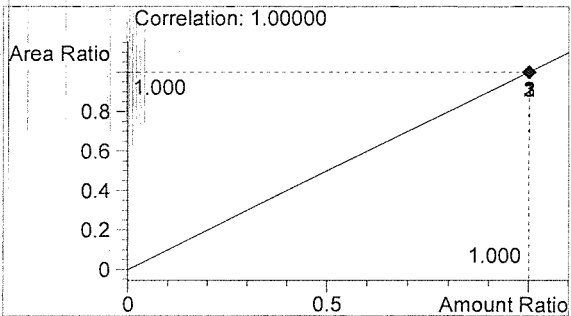


#	Compound	Peak Area	RT (min)
1	Ethanol	1290	1.090
2	n-Propanol	2722	1.771



Ethanol      0.102 g/100mL

*RF*

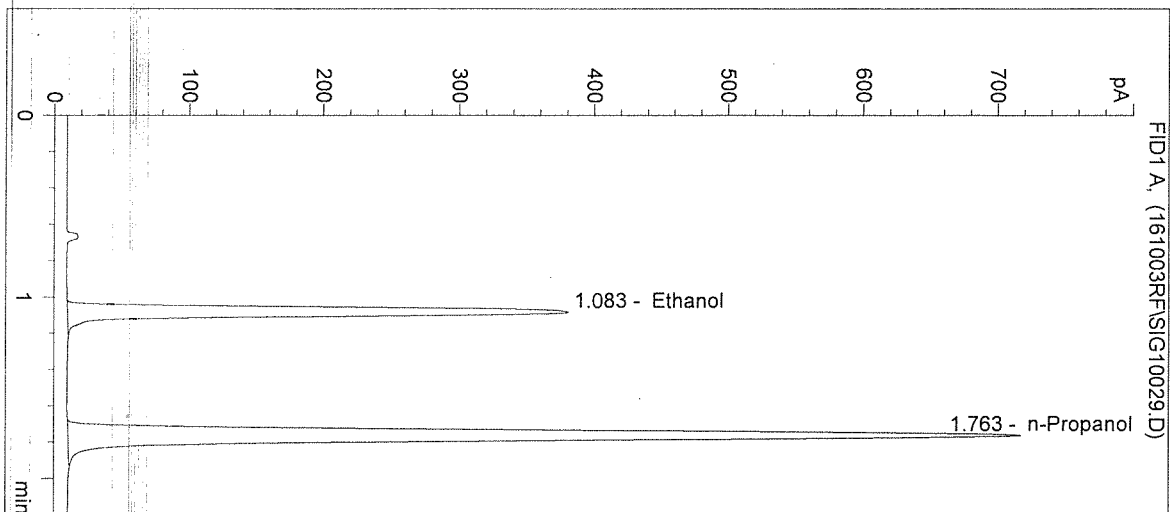


n-Propanol      0.012 g/100mL

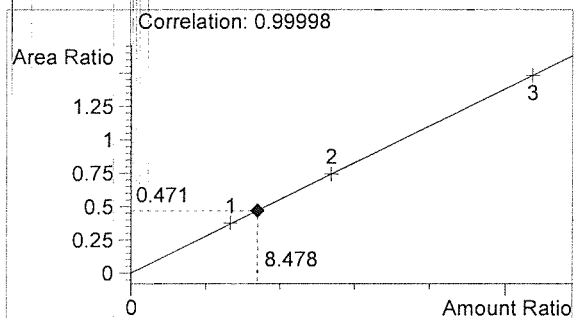
*RF*

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Inj. Date: 10/3/2016 2:32:34 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: 16037

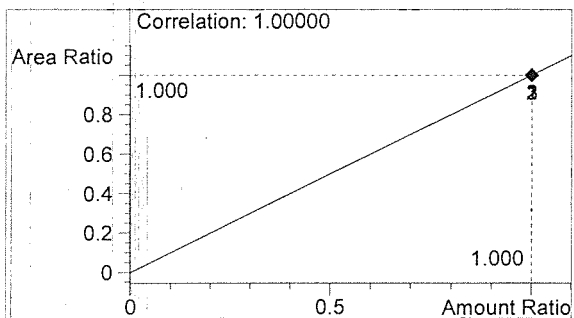


#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.083
2	n-Propanol	2650	1.763



Ethanol      0.102 g/100mL

*fr*



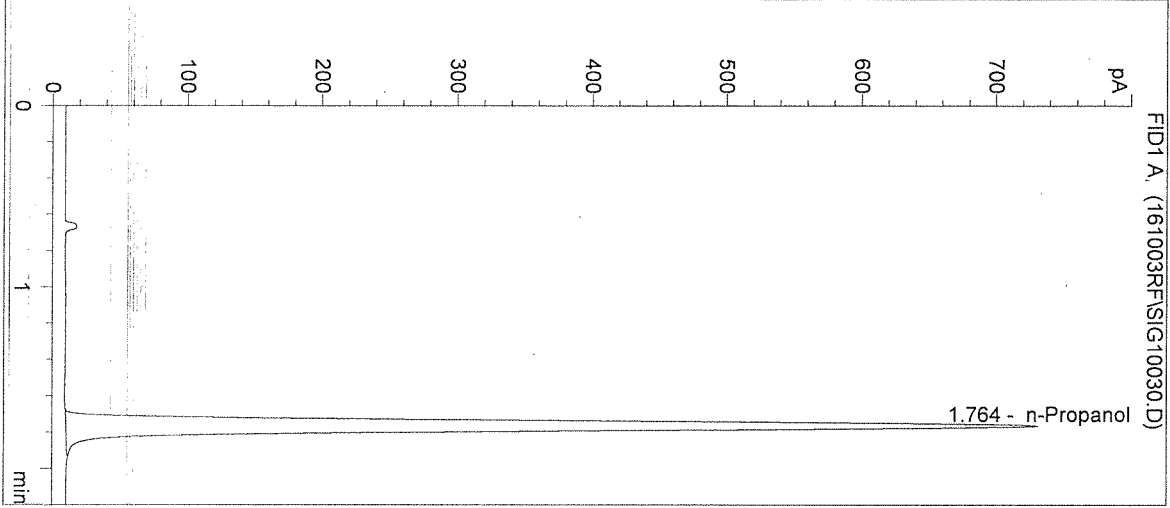
n-Propanol      0.012 g/100mL

*ef*

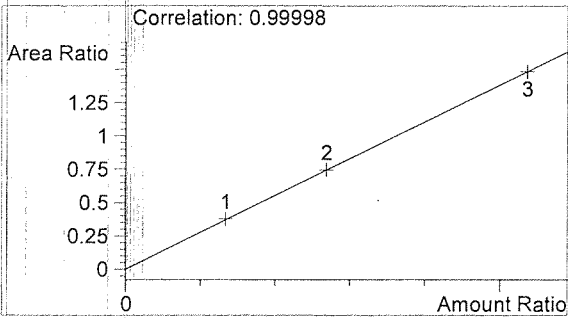


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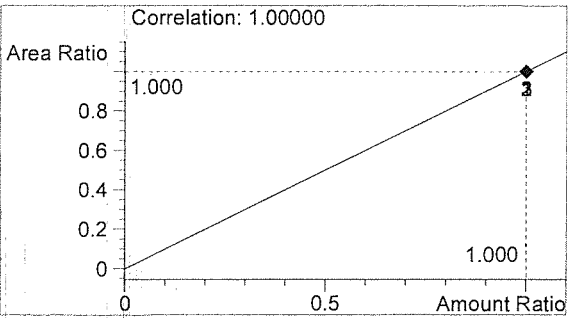
Inj. Date: 10/3/2016 2:35:48 PM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Rebecca Flaherty  
Column: DB-ALC1      Location: Vial 30  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16037



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2714	1.764



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*RF*

*RF*

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\1\DATA\  
 Data Subdirectory: 161005AG  
 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# E0916-01 - EXP 3/15/2017  
 CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017  
 CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017  
 n-Propanol ISTD - LOT# P0916 - 12/21/2016  
 CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018  
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018  
 CTRL 3 (0.20g/100mL) - LOT# FN03211401 - EXP 6/2019

Calibrators and controls filed with 16035.

*Diluter # 3*

*10/5/16*

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	QAP 16035 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16035 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16035 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16035 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16030 #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	QAP 16037 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16037 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16037 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16037 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16037 #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	QAP 16038 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16038 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16038 #3	SIMALC1	1	Sample		

16037

*10/12/16*

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP 16038 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16038 #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	QAP 16039 #1	SIMALC1	1	Sample		
32	Vial 32	QAP 16039 #2	SIMALC1	1	Sample		
33	Vial 33	QAP 16039 #3	SIMALC1	1	Sample		
34	Vial 34	QAP 16039 #4	SIMALC1	1	Sample		
35	Vial 35	QAP 16039 #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!

16037

*Aniolztlb*

*AG*  
*AG*

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

Inj. Date: 10/5/2016 11:27:43 AM

Sample Name: QAP 16037 #1

Instrument: HSGC#1

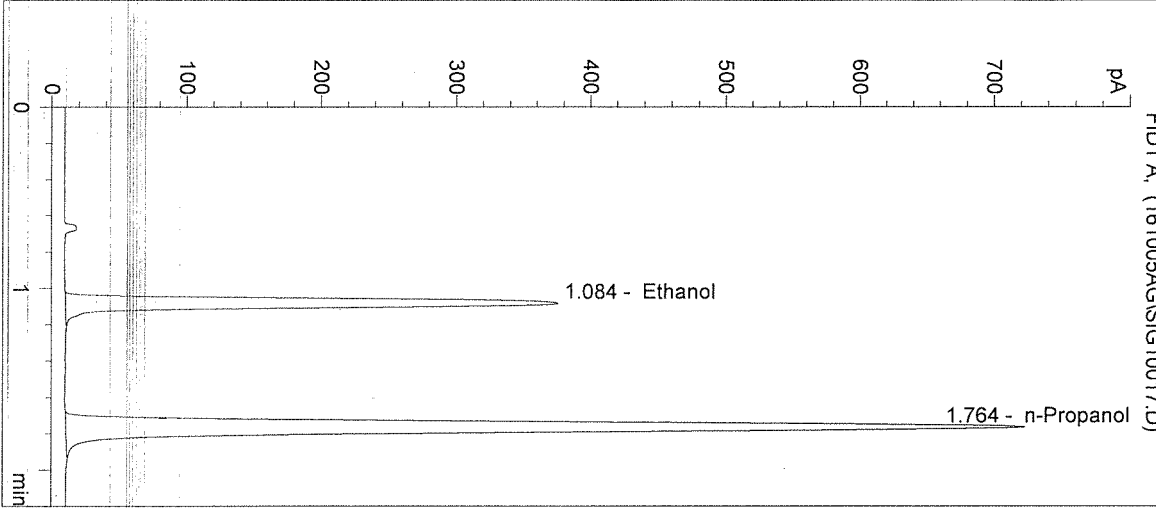
Operator: Andrew Gingras

Column: DB-ALC1

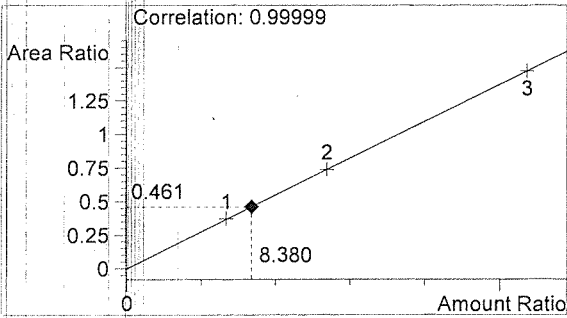
Location: Vial 17

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

Sample Info:

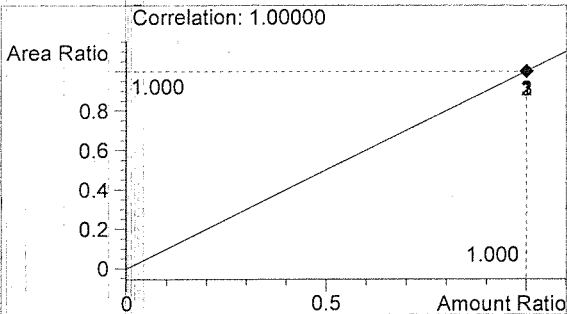


#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.084
2	n-Propanol	2673	1.764



Ethanol 0.101 g/100mL

*Handwritten signature*



n-Propanol 0.012 g/100mL

*Handwritten signature*

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

Inj. Date: 10/5/2016 11:30:56 AM

Sample Name: QAP 16037 #2

Instrument: HSGC#1

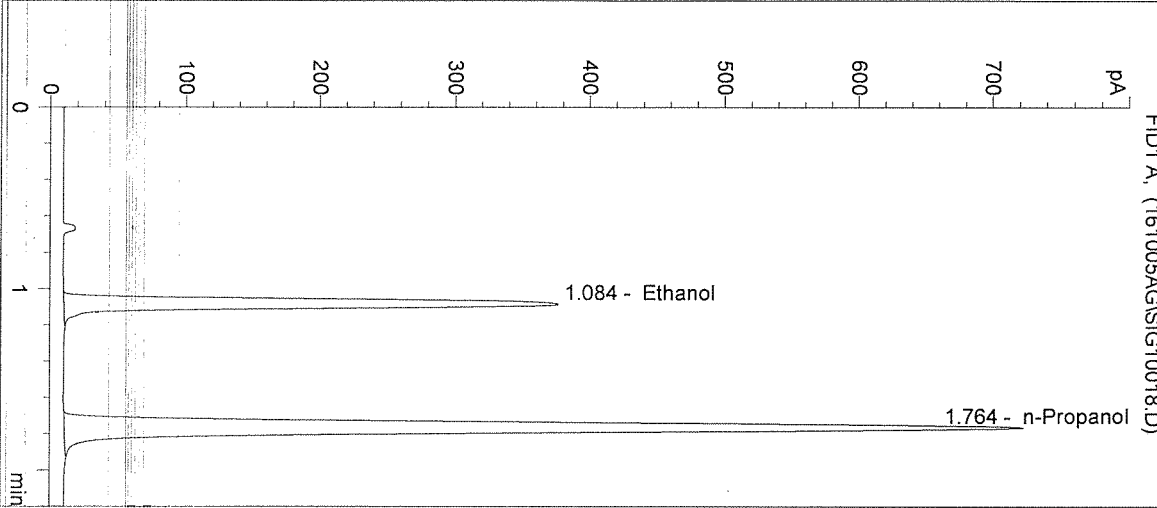
Operator: Andrew Gingras

Column: DB-ALC1

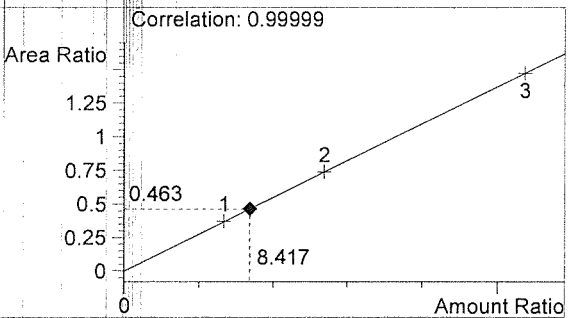
Location: Vial 18

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

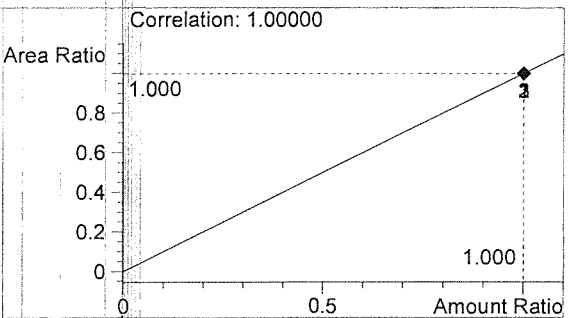
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1240	1.084
2	n-Propanol	2676	1.764



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: 10/5/2016 11:34:09 AM

Sample Name: QAP 16037 #3

Instrument: HSGC#1

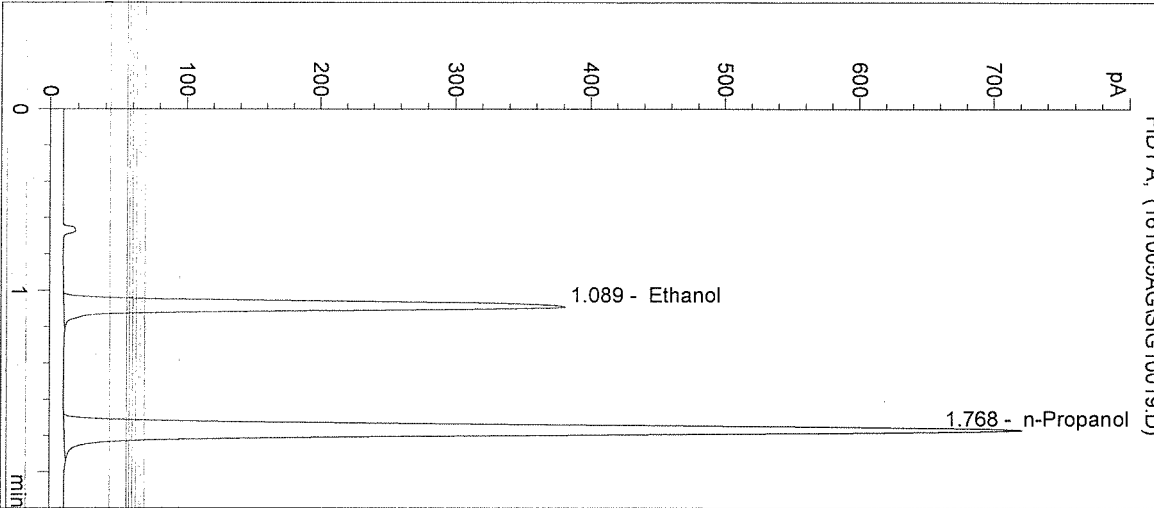
Operator: Andrew Gingras

Column: DB-ALC1

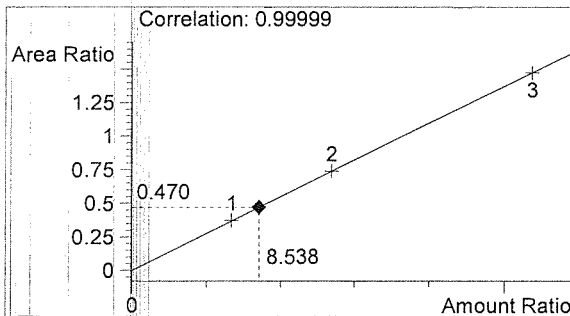
Location: Vial 19

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

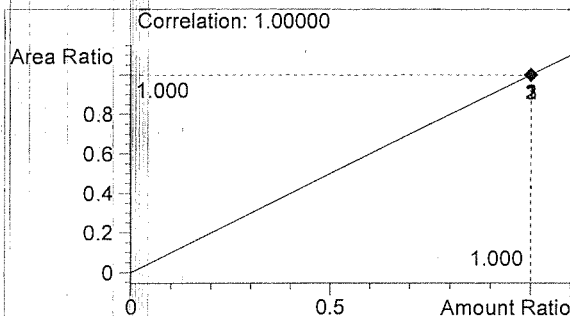
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1271	1.089
2	n-Propanol	2704	1.768



Ethanol 0.102 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: 10/5/2016 11:37:23 AM

Sample Name: QAP 16037 #4

Instrument: HSGC#1

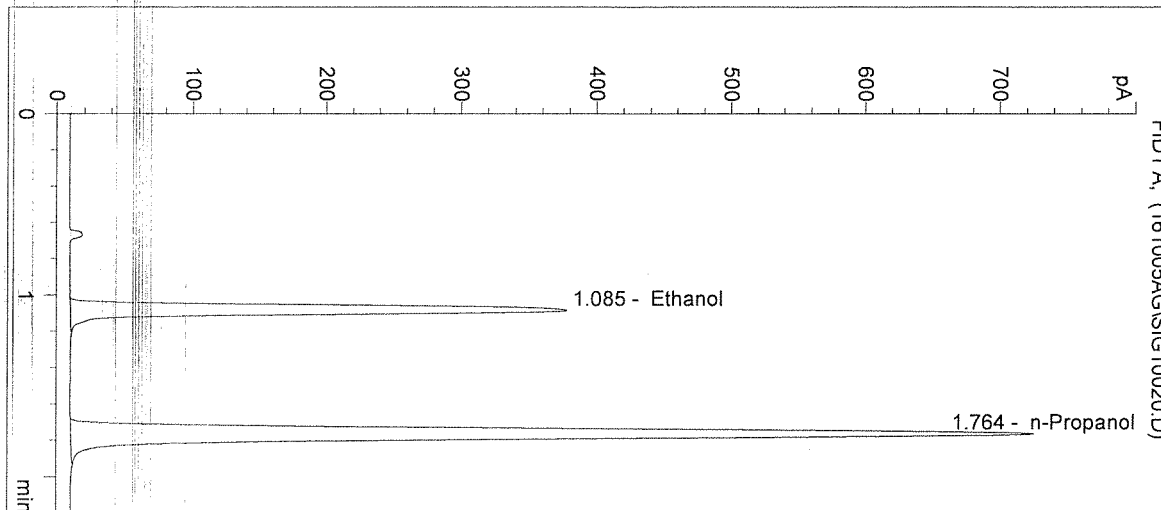
Operator: Andrew Gingras

Column: DB-ALC1

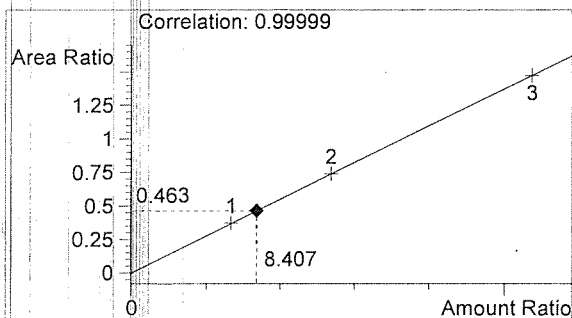
Location: Vial 20

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

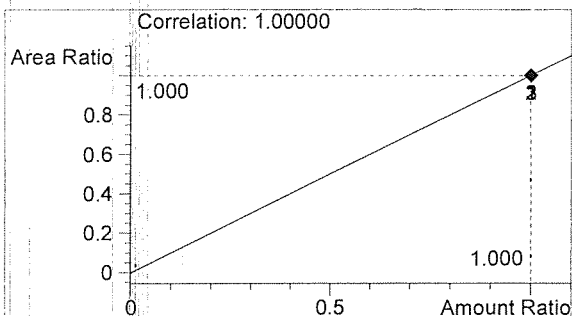
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1245	1.085
2	n-Propanol	2690	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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*AG*

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

Inj. Date: 10/5/2016 11:40:36 AM

Sample Name: QAP 16037 #5

Instrument: HSGC#1

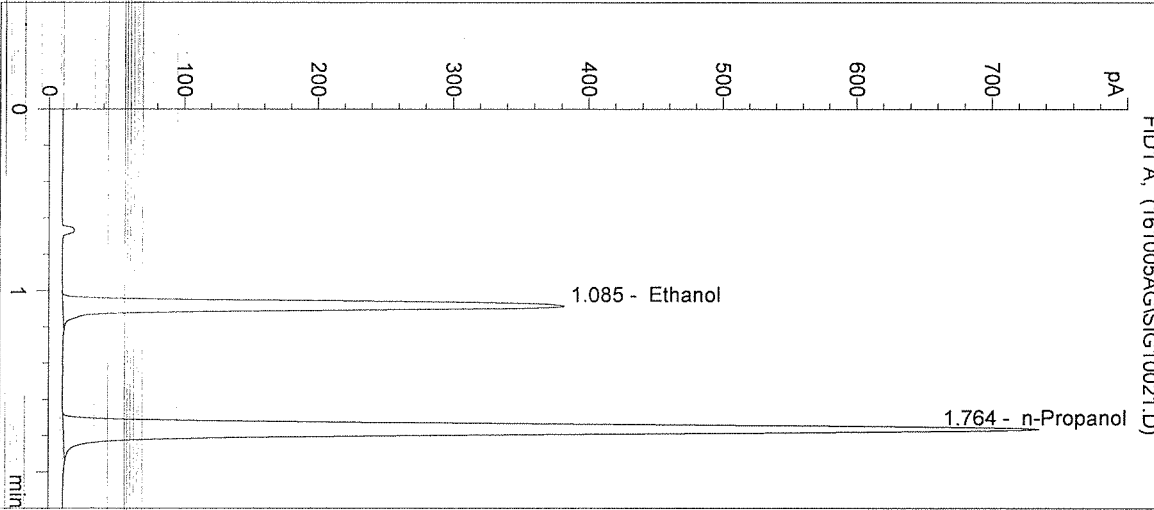
Operator: Andrew Gingras

Column: DB-ALC1

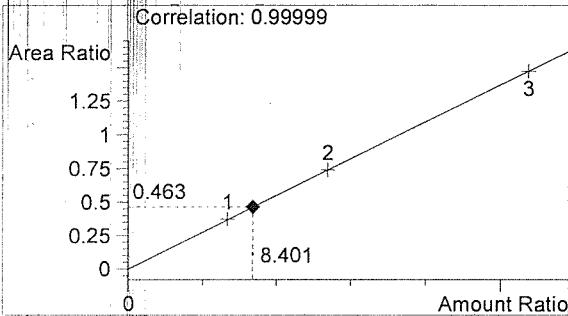
Location: Vial 21

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

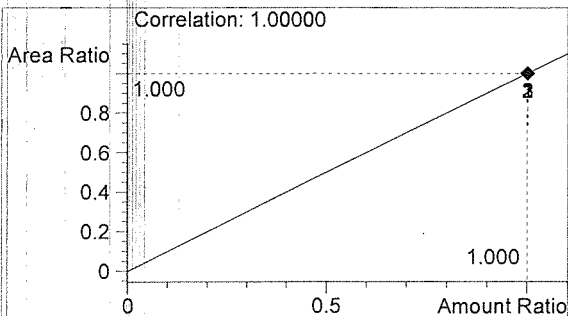
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.085
2	n-Propanol	2723	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*AG*



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

Inj. Date: 10/5/2016 11:43:49 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

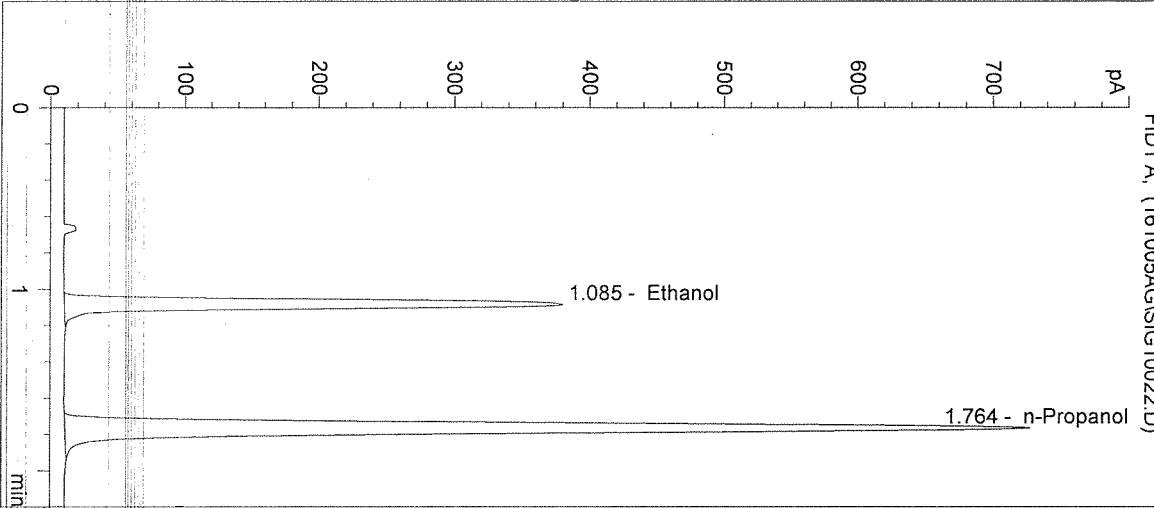
Operator: Andrew Gingras

Column: DB-ALC1

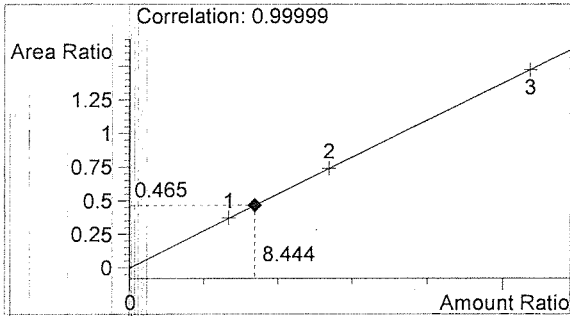
Location: Vial 22

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

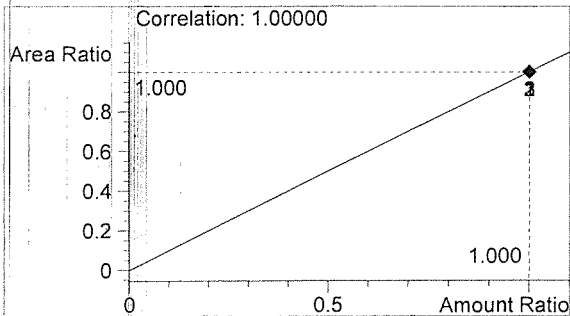
Sample Info: 16037



#	Compound	Peak Area	RT (min)
1	Ethanol	1254	1.085
2	n-Propanol	2698	1.764



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: 10/5/2016 11:47:03 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

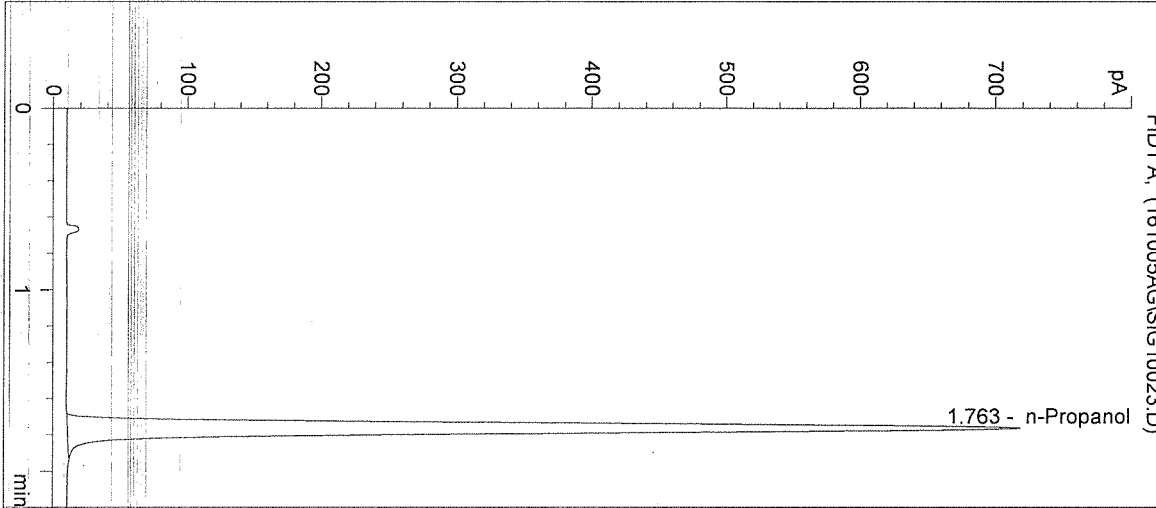
Operator: Andrew Gingras

Column: DB-ALC1

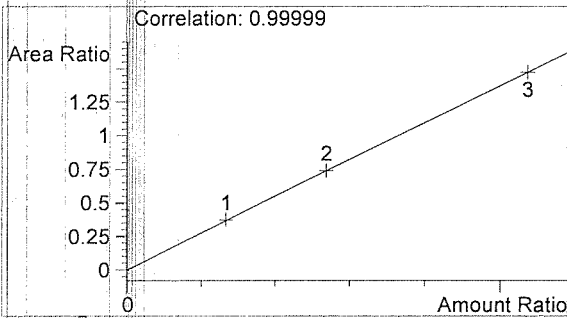
Location: Vial 23

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

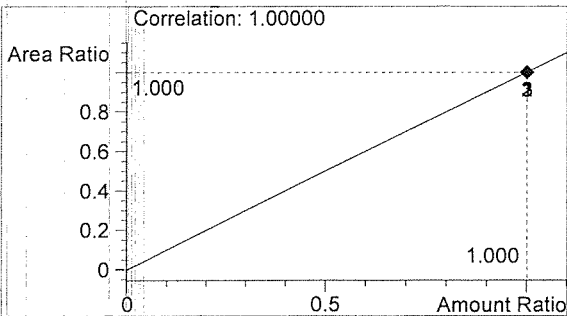
Sample Info: 16037



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2666	1.763



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*fu*

*AG*

Sequence Parameters:

Operator: David Nguyen  
 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: 161011DN  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0916-01 - X: 03/15/17  
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17  
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17  
 CTRL 1: 0.04 g/100mL - Lot: FN05011301 - X: 05/2018  
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018  
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021  
 n-Propanol ISTD - Lot: P0916 - X: 12/21/16  
 Calibration vials 1-9 filed with 16035.

*Extraneous peak in baseline at around 0.744-0.745 appears sporadically throughout run. Completely resolved from both ethanol and n-propanol. Run acceptable.*

Sequence Table (Front Injector):

Method and Injection Info Part:

*fn10/12/16*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16035 #1	SIMALC1	1	Sample		
11	Vial 11	16035 #2	SIMALC1	1	Sample		
12	Vial 12	16035 #3	SIMALC1	1	Sample		
13	Vial 13	16035 #4	SIMALC1	1	Sample		
14	Vial 14	16035 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16037 #1	SIMALC1	1	Sample		
18	Vial 18	16037 #2	SIMALC1	1	Sample		
19	Vial 19	16037 #3	SIMALC1	1	Sample		
20	Vial 20	16037 #4	SIMALC1	1	Sample		
21	Vial 21	16037 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16038 #1	SIMALC1	1	Sample		

*fn10/12/16*  
~~16037~~  
 16037  
*fn10/12/16*  
 DN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16038 #2	SIMALC1	1	Sample		
26	Vial 26	16038 #3	SIMALC1	1	Sample		
27	Vial 27	16038 #4	SIMALC1	1	Sample		
28	Vial 28	16038 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16039 #1	SIMALC1	1	Sample		
32	Vial 32	16039 #2	SIMALC1	1	Sample		
33	Vial 33	16039 #3	SIMALC1	1	Sample		
34	Vial 34	16039 #4	SIMALC1	1	Sample		
35	Vial 35	16039 #5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	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	CAL 1 (0.079)	SIMALC1	1	Replace		Replace		
3	Vial 3	CAL 2 (0.158)	SIMALC1	2	Replace		Replace		
4	Vial 4	CAL 3 (0.316)	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

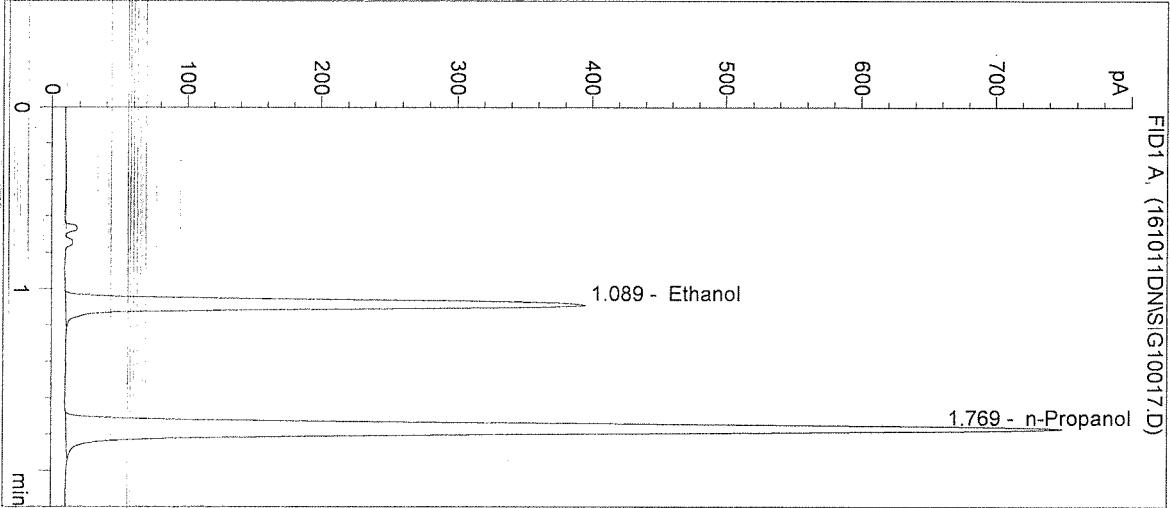
16037

*Michelle*

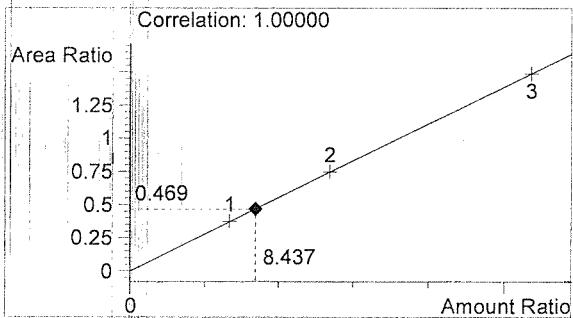
*DN*

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

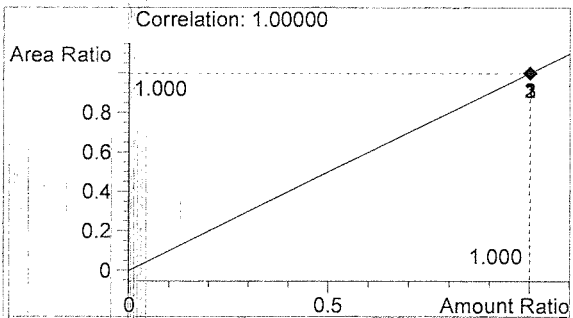
Inj. Date: 10/11/2016 11:28:41 AM      Sample Name: 16037 #1  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 17  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1324	1.089
2	n-Propanol	2823	1.769



Ethanol      0.101 g/100mL



n-Propanol      0.012 g/100mL

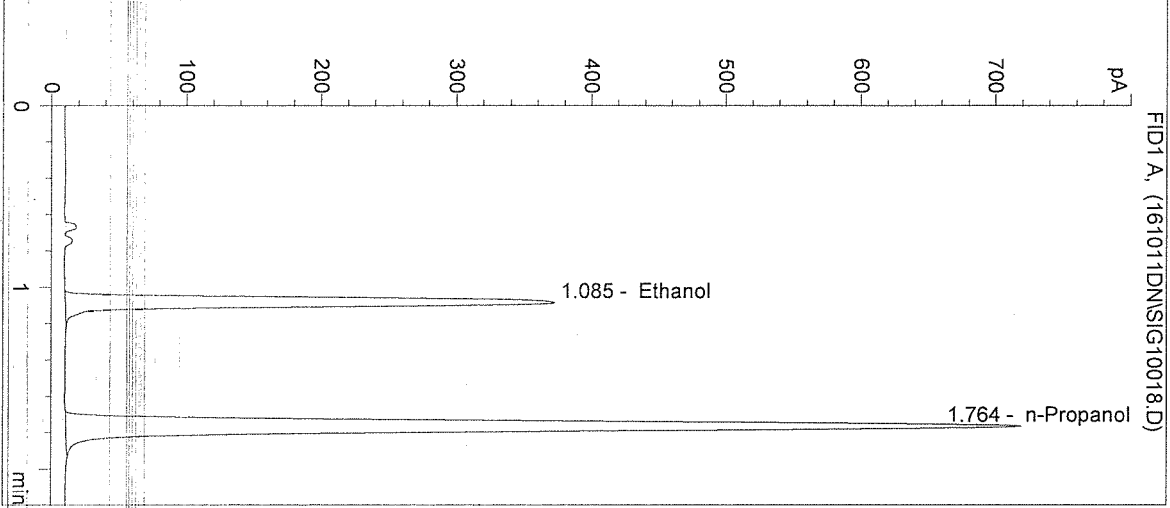
*Handwritten signature*

DN

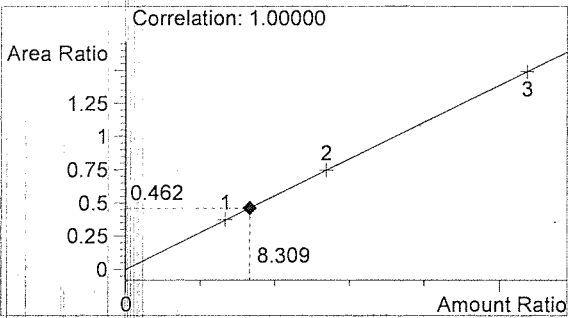
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 11:31:55 AM      Sample Name: 16037 #2  
Instrument: HSGC#1      Operator: David Nguyen  
Column: DB-ALC1      Location: Vial 18  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

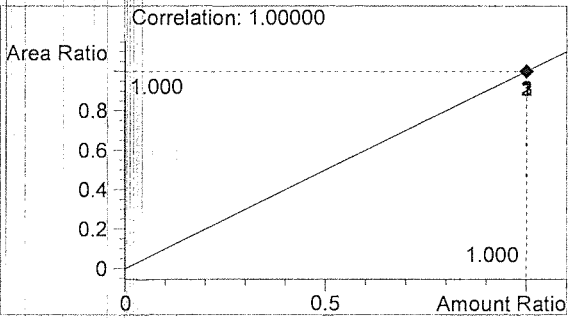
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1233	1.085
2	n-Propanol	2668	1.764



Ethanol      0.100 g/100mL



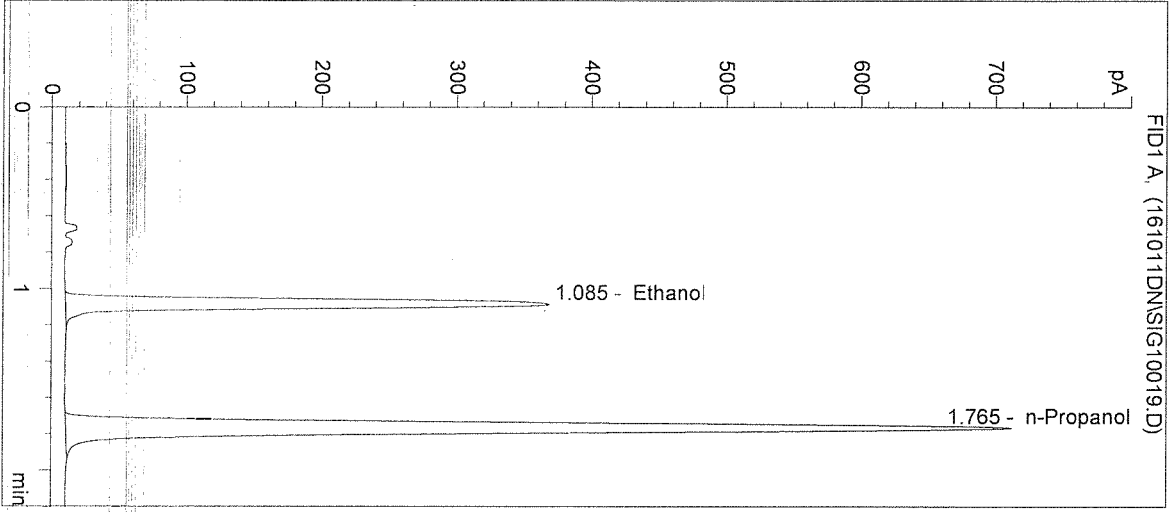
n-Propanol      0.012 g/100mL

*Handwritten signature*

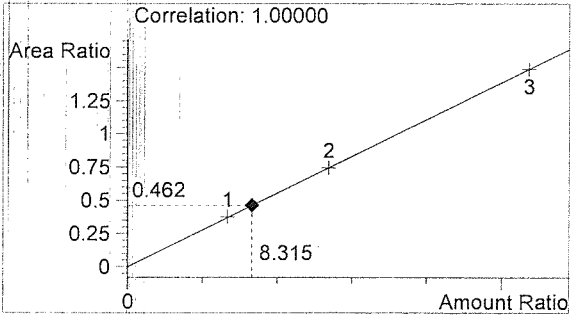
DN

Inj. Date: 10/11/2016 11:35:06 AM      Sample Name: 16037 #3  
Instrument: HSGC#1      Operator: David Nguyen  
Column: DB-ALC1      Location: Vial 19  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

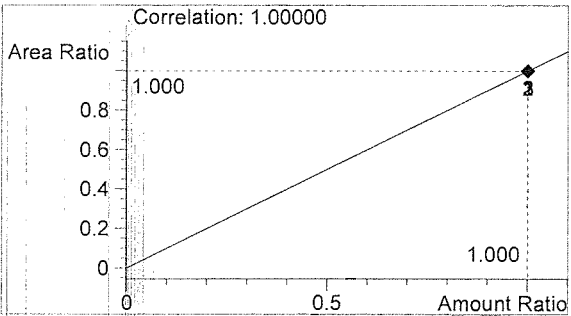
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.085
2	n-Propanol	2651	1.765



Ethanol      0.100 g/100mL



n-Propanol      0.012 g/100mL

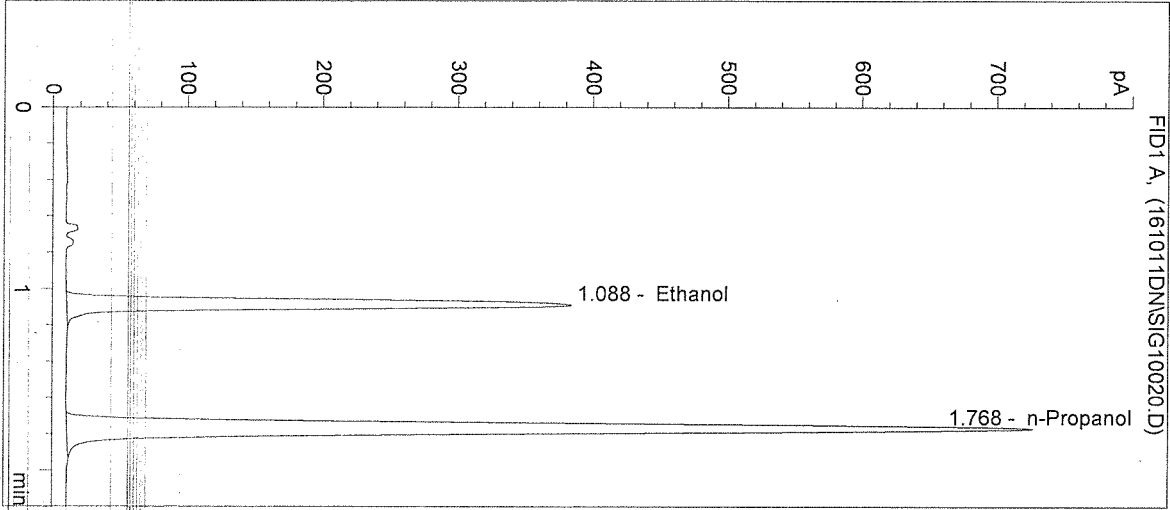
*of*

*DN*

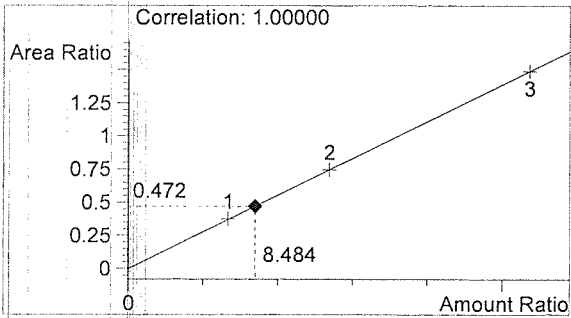
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 11:38:20 AM      Sample Name: 16037 #4  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 20  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

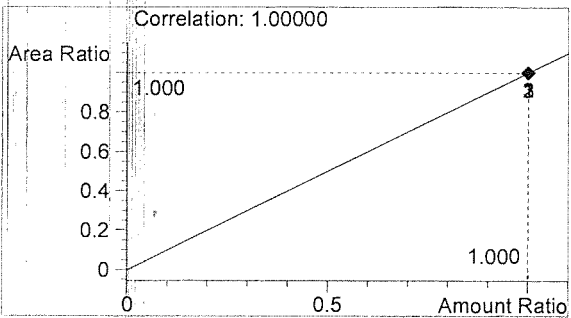
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1285	1.088
2	n-Propanol	2725	1.768



Ethanol      0.102 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten signature*

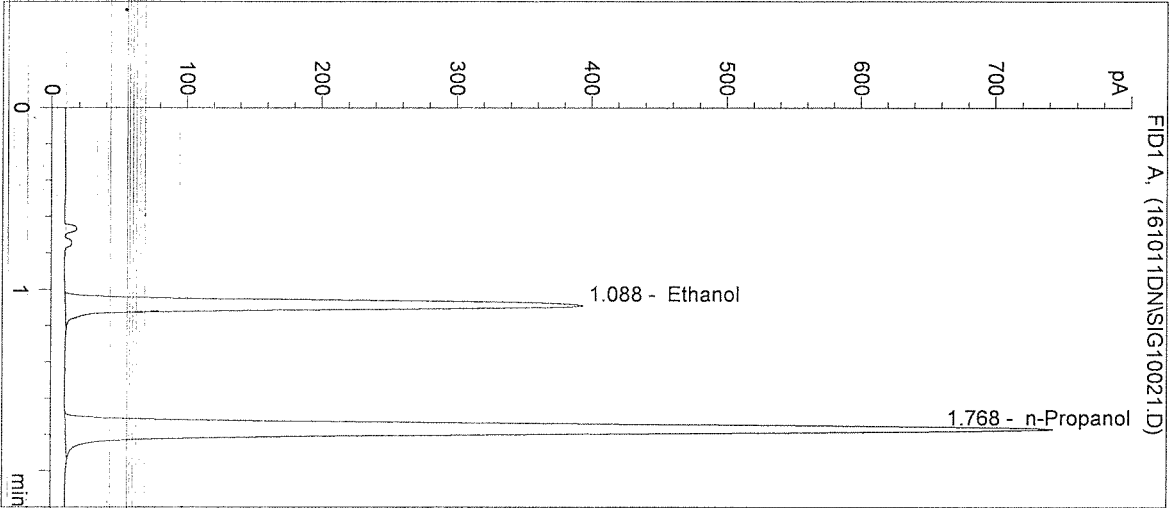
DN



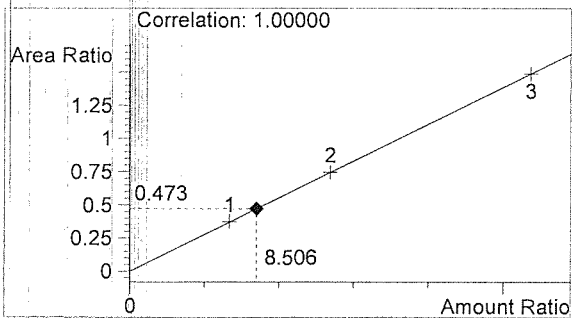
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 11:41:33 AM      Sample Name: 16037 #5  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 21  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

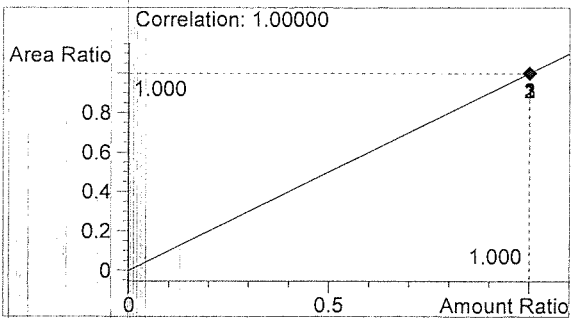
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1315	1.088
2	n-Propanol	2780	1.768



Ethanol      0.102 g/100mL



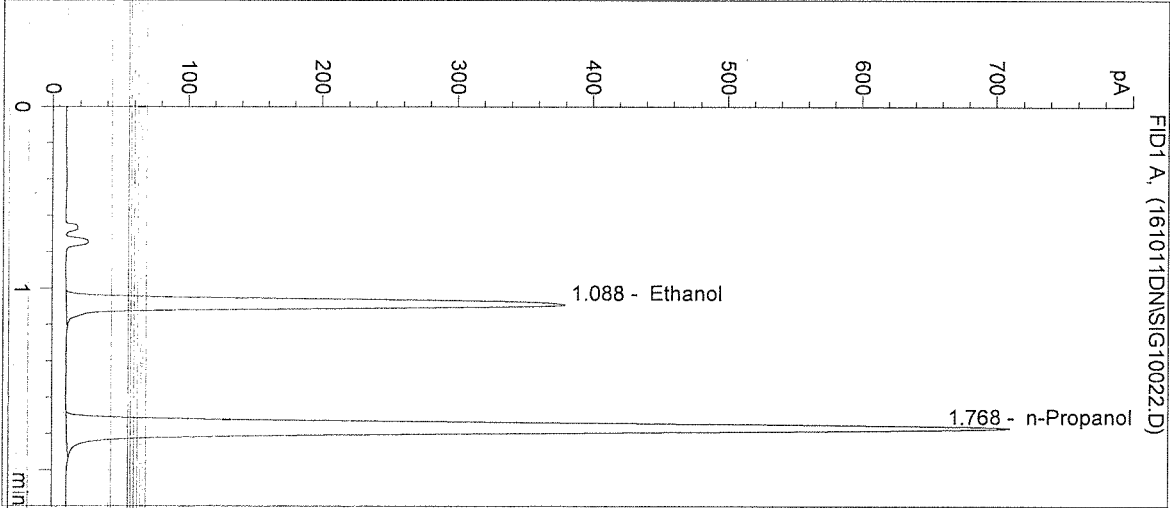
n-Propanol      0.012 g/100mL

*DN*

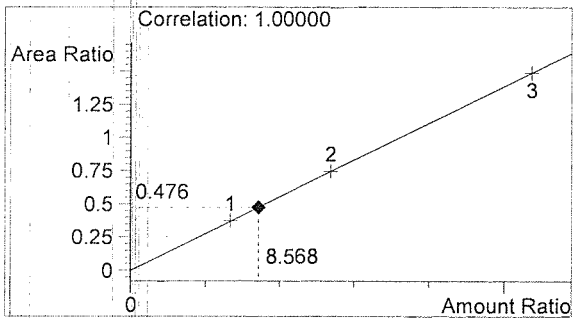
*DN*

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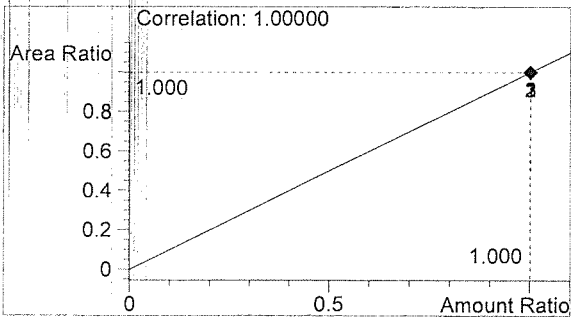
Inj. Date: 10/11/2016 11:44:46 AM      Sample Name: POS CTRL (0.10)  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 22  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 16037



#	Compound	Peak Area	RT (min)
1	Ethanol	1268	1.088
2	n-Propanol	2663	1.768



Ethanol      0.103 g/100mL



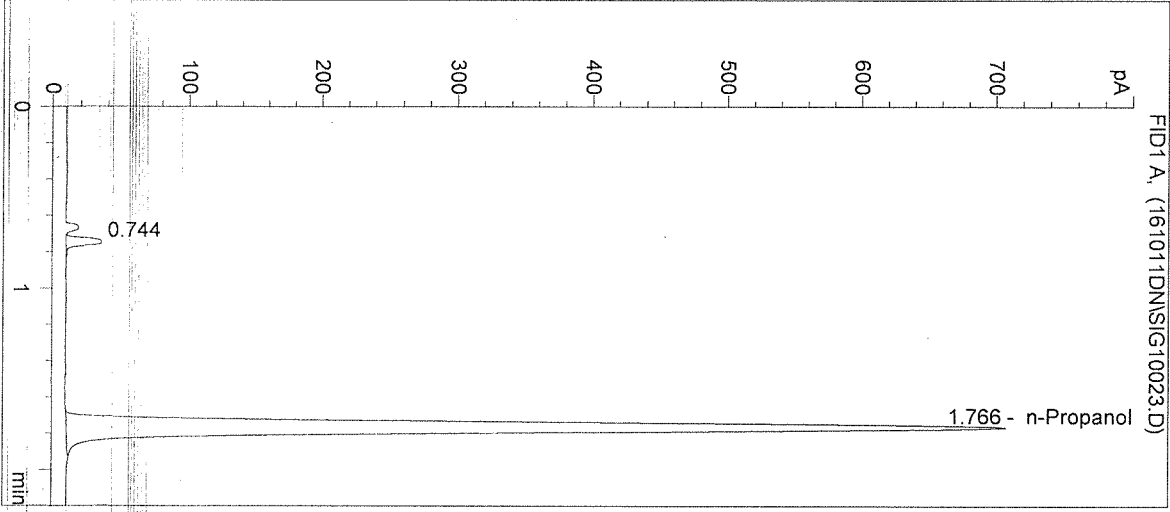
n-Propanol      0.012 g/100mL

*Handwritten initials*

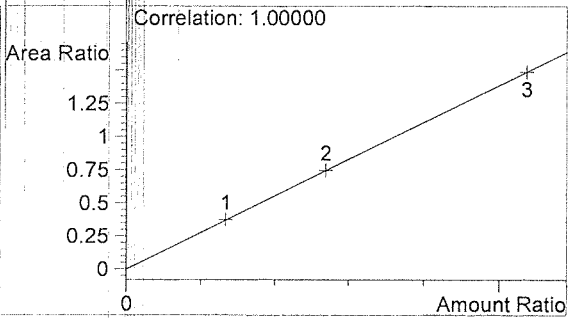
*DN*

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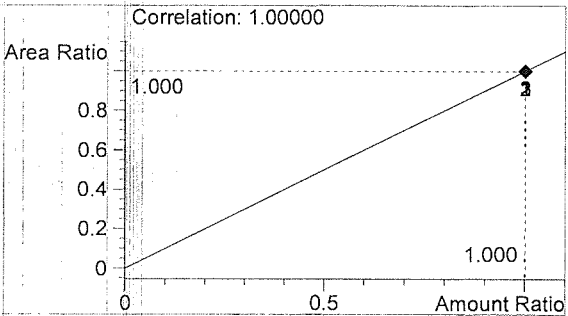
Inj. Date: 10/11/2016 11:47:59 AM      Sample Name: NEG CTRL  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 23  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 16037



#	Compound	Peak Area	RT (min)
1		69	0.744
2	Ethanol	0	0.000
3	n-Propanol	2640	1.766



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten initials*

*DN*