



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 16039**

**CUSTOMER INFORMATION**

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

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

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.15 g/210L  
DATE PREPARED: 10/03/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Rebecca Flaherty

	RF	AG	DN
1	0.191	0.187	0.190
2	0.189	0.188	0.189
3	0.188	0.189	0.186
4	0.189	0.189	0.190
5	0.190	0.189	0.191
C	0.103	0.103	0.103

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

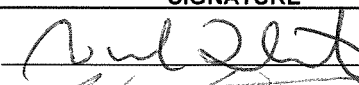
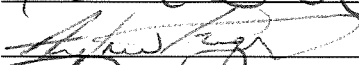
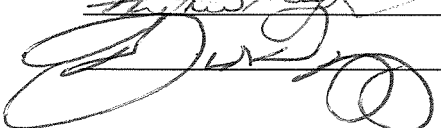
AVERAGE SOLUTION CONCENTRATION: 0.1890 g/100mL PRECISION CV (%): 0.72  
STANDARD DEVIATION: 0.00136 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1537 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0032 (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

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

QAP Solution Batch #: 16039

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	0.191	0.187	0.190
2	0.189	0.188	0.189
3	0.188	0.189	0.186
4	0.189	0.189	0.190
5	0.190	0.189	0.191
C	0.103	0.103	0.103

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000034660	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.1890 g/100mL  
Standard Deviation: 0.00136 g/100mL  
Precision CV (%): 0.72  
Equivalent Vapor Concentration: 0.1537 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0016 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0032 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: 10-21-14  
Location: WSP-FCSB Seattle, WA Solution Batch Number: 16039

	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: 10-21-14



**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 # 16039 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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16039**

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 16039, 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

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16039**

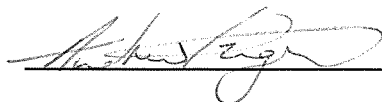
I, Andrew Gingras, do certify under penalty of perjury that:

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 16039, 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

 10/12/2016

Andrew Gingras  
Forensic Scientist

Date



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16039**

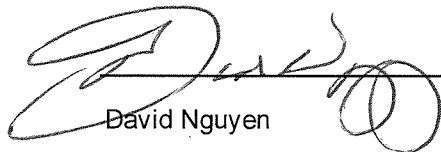
I, David Nguyen, do certify under penalty of perjury that:

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 16039, 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

  
David Nguyen  
Forensic Scientist

10/12/16  
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 



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		

16039

*Inj 16035*

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!

16039  
Injole/b

RF

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

Inj. Date: 10/3/2016 3:01:34 PM

Sample Name: 16039-1

Instrument: HSGC#1

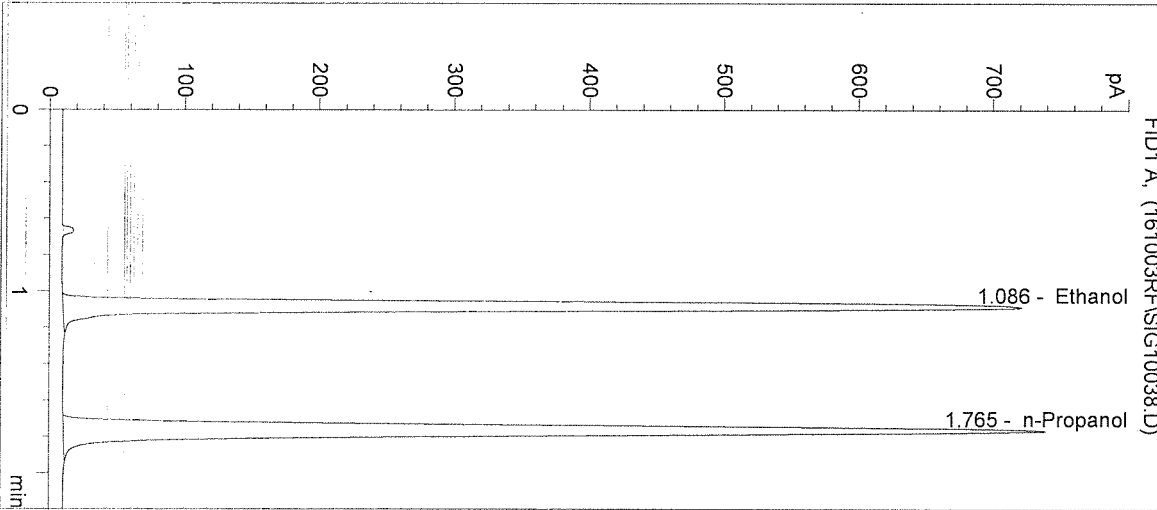
Operator: Rebecca Flaherty

Column: DB-ALC1

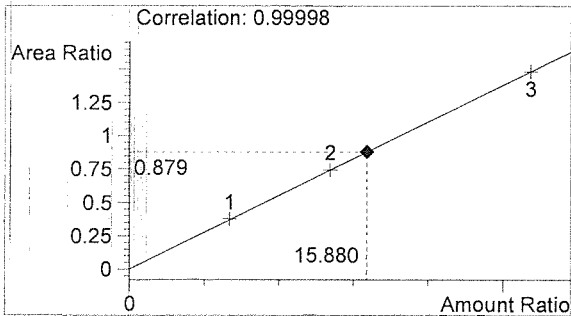
Location: Vial 38

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

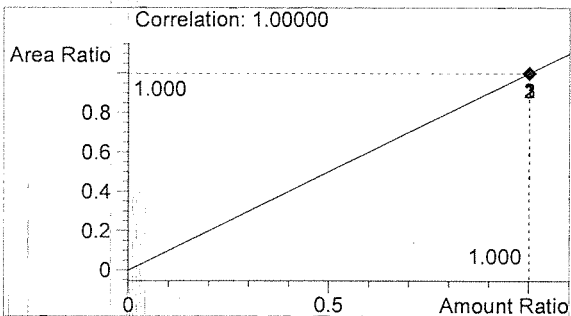
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2422	1.086
2	n-Propanol	2755	1.765



Ethanol 0.191 g/100mL



n-Propanol 0.012 g/100mL

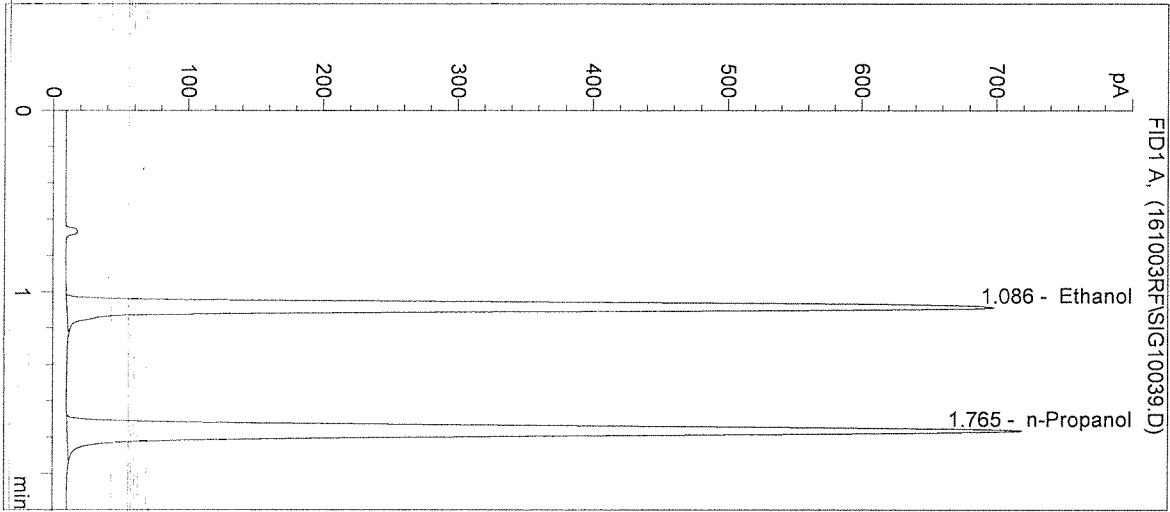
*RF*

*RF*

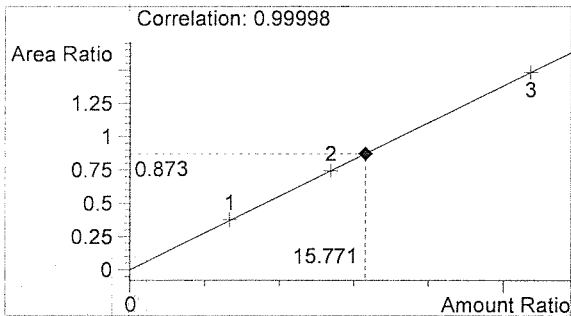
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/3/2016 3:04:47 PM      Sample Name: 16039-2  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 39  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

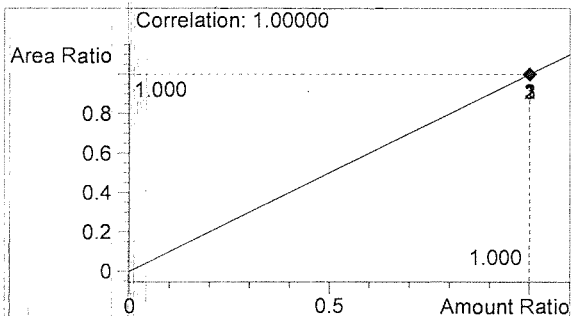
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2331	1.086
2	n-Propanol	2669	1.765



Ethanol      0.189 g/100mL



n-Propanol      0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 10/3/2016 3:08:00 PM

Sample Name: 16039-3

Instrument: HSGC#1

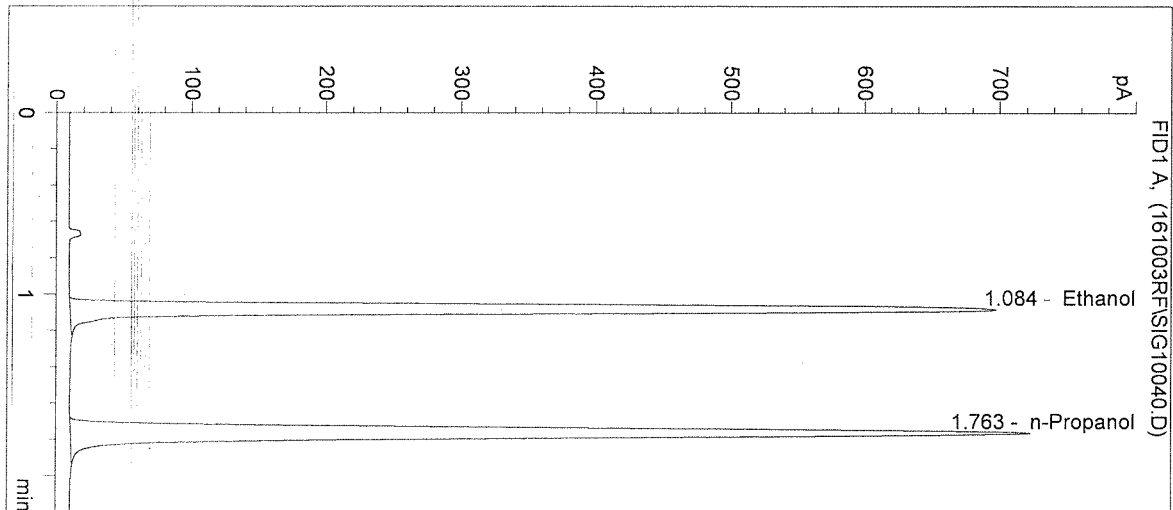
Operator: Rebecca Flaherty

Column: DB-ALC1

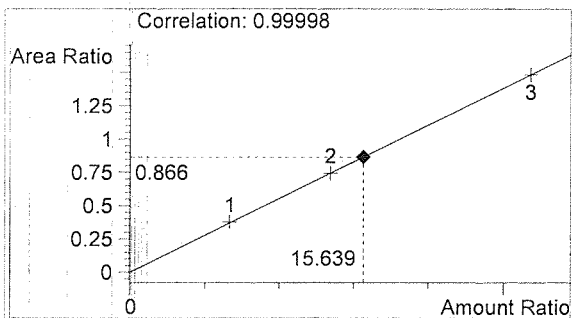
Location: Vial 40

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

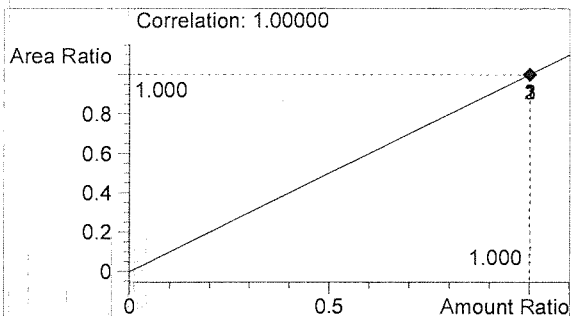
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2315	1.084
2	n-Propanol	2673	1.763



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

*RA*

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

Inj. Date: 10/3/2016 3:11:14 PM

Sample Name: 16039-4

Instrument: HSGC#1

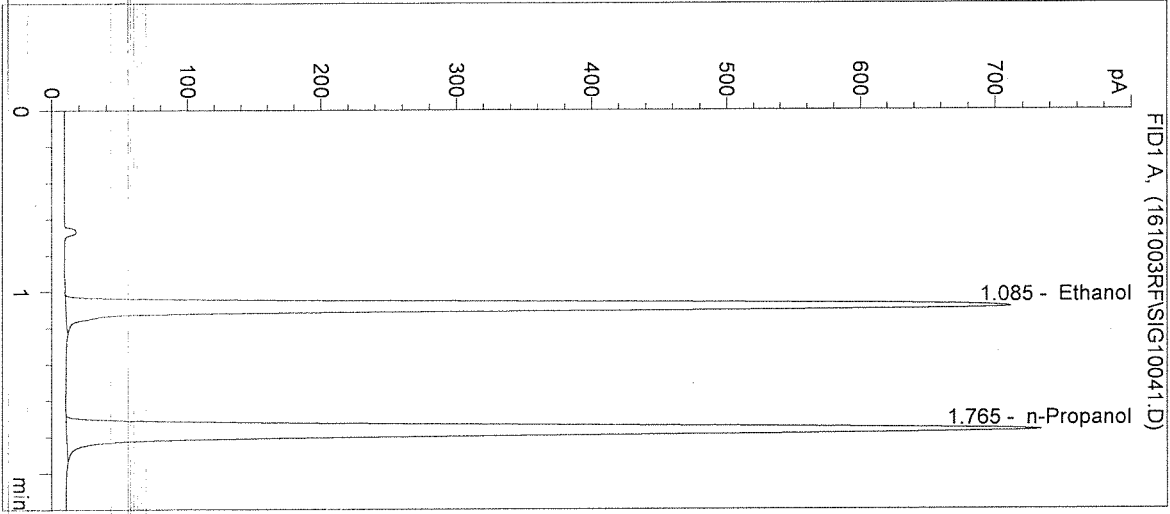
Operator: Rebecca Flaherty

Column: DB-ALC1

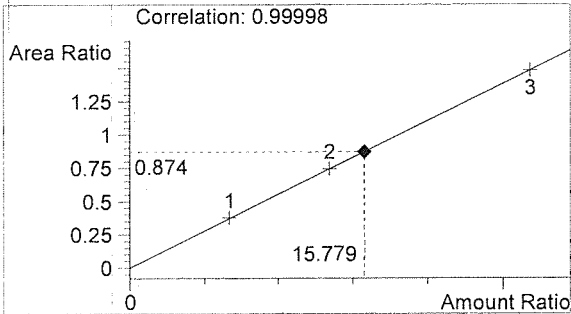
Location: Vial 41

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

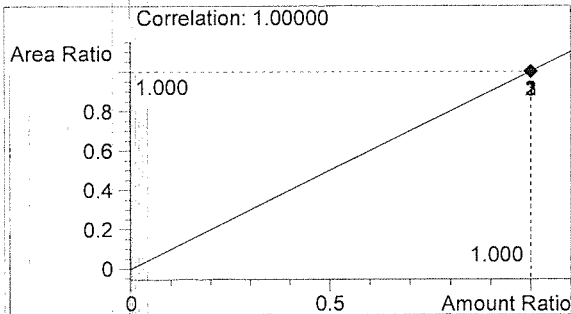
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2373	1.085
2	n-Propanol	2716	1.765



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

*RF*

*RF*

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

Inj. Date: 10/3/2016 3:14:27 PM

Sample Name: 16039-5

Instrument: HSGC#1

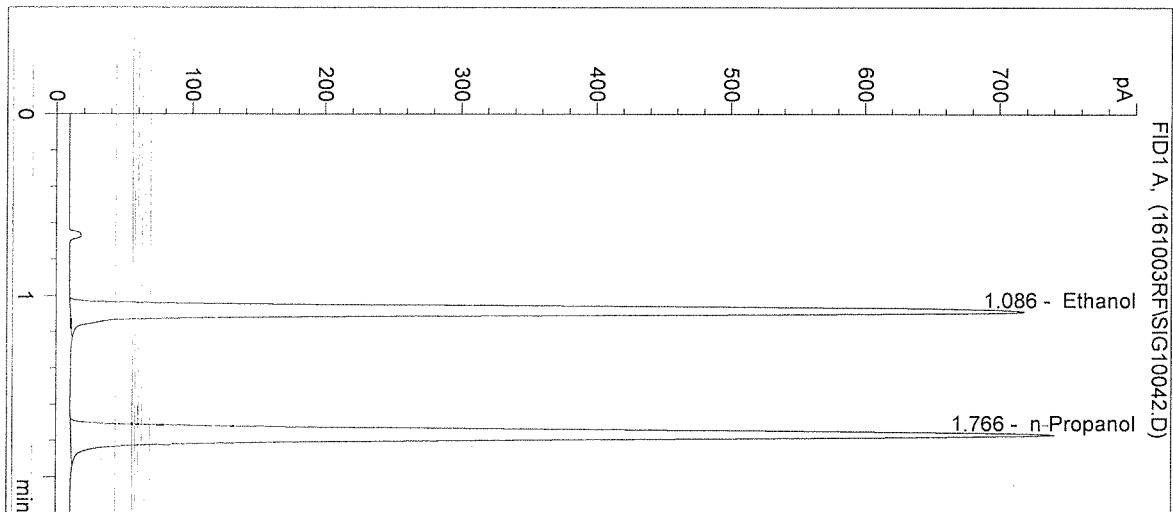
Operator: Rebecca Flaherty

Column: DB-ALC1

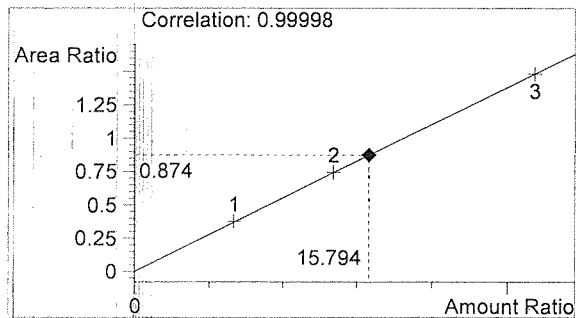
Location: Vial 42

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

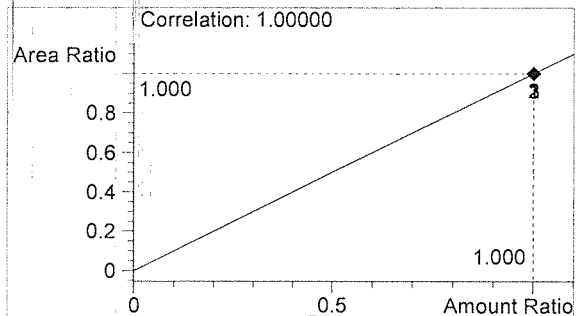
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2399	1.086
2	n-Propanol	2743	1.766



Ethanol 0.190 g/100mL



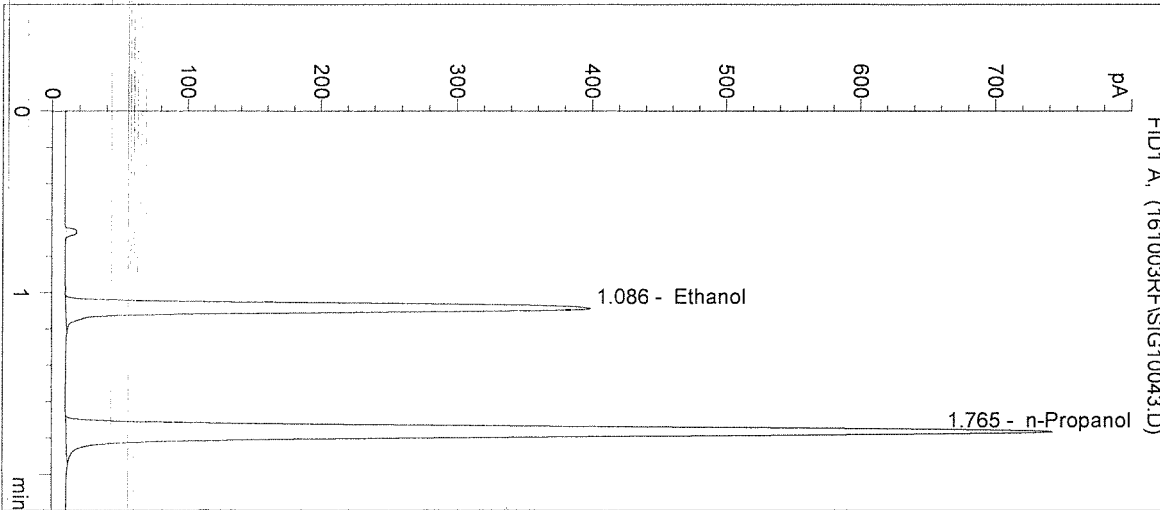
n-Propanol 0.012 g/100mL

*RF*

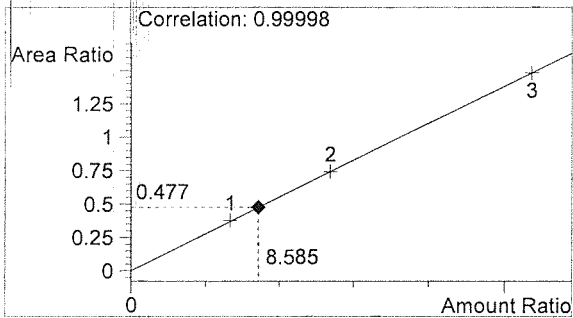
*RF*

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

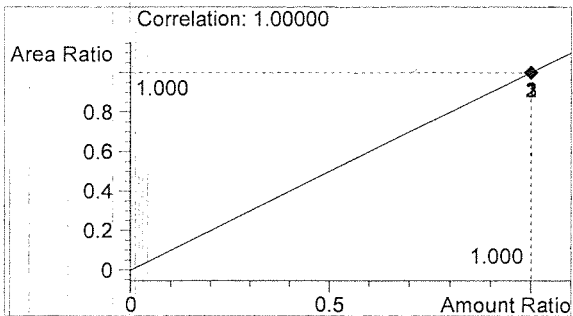
Inj. Date: 10/3/2016 3:17:40 PM      Sample Name: 0.10 CTRL  
 Instrument: HSGC#1      Operator: Rebecca Flaherty  
 Column: DB-ALC1      Location: Vial 43  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 16039



#	Compound	Peak Area	RT (min)
1	Ethanol	1318	1.086
2	n-Propanol	2764	1.765



Ethanol      0.103 g/100mL



n-Propanol      0.012 g/100mL

*RF*

*RF*



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

Inj. Date: 10/3/2016 3:20:53 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

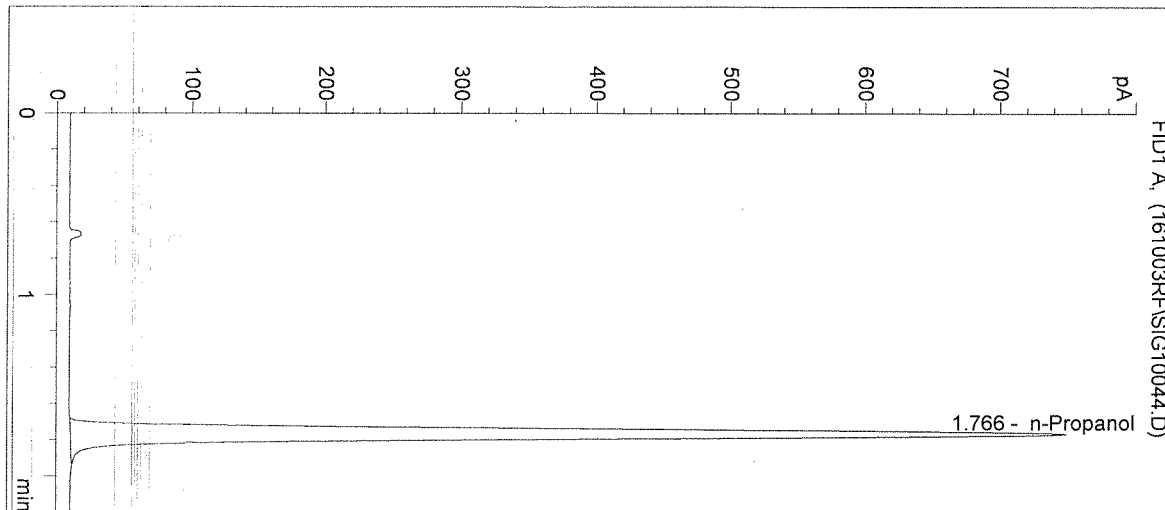
Operator: Rebecca Flaherty

Column: DB-ALC1

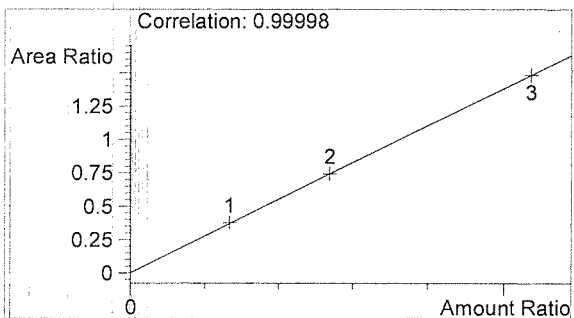
Location: Vial 44

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

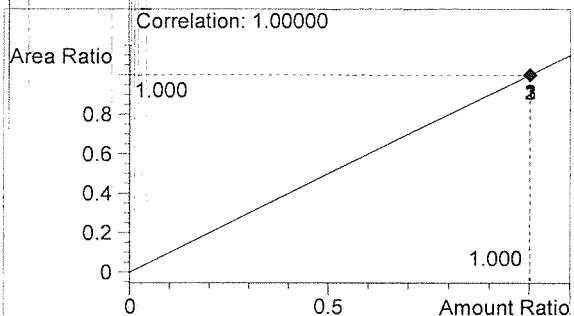
Sample Info: 16039



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2794	1.766



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		

16039

*Inj 16035*

*AG*

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!

16039  
Luo12/16

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

Inj. Date: 10/5/2016 12:12:48 PM

Sample Name: QAP 16039 #1

Instrument: HSGC#1

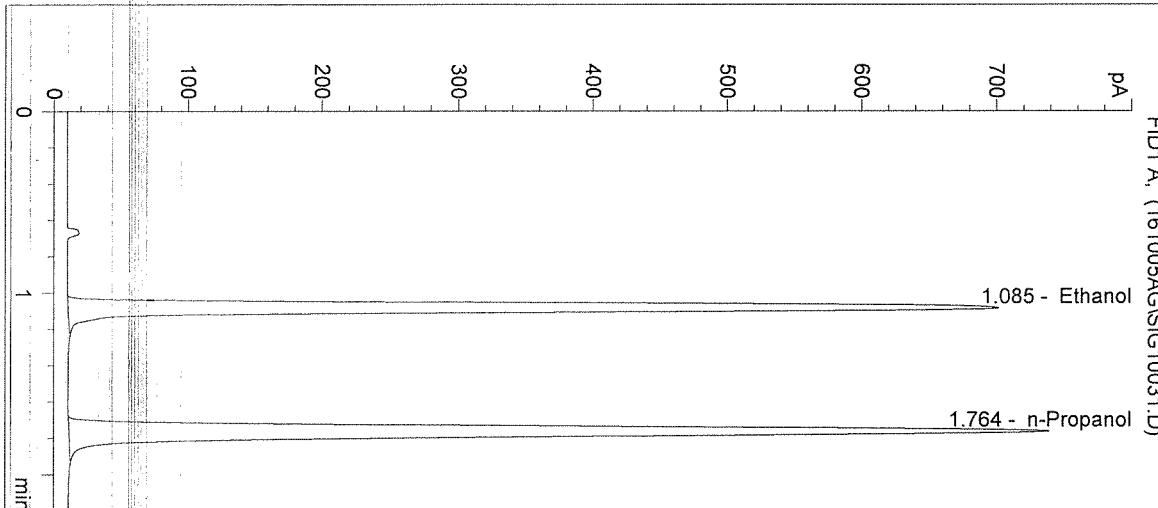
Operator: Andrew Gingras

Column: DB-ALC1

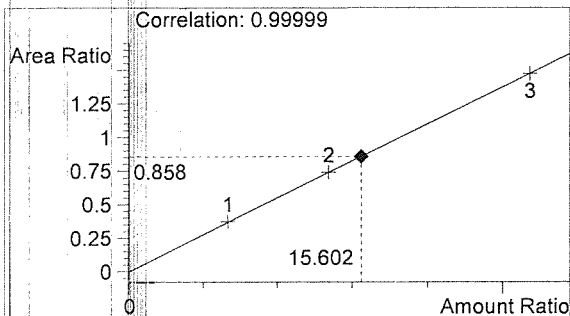
Location: Vial 31

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

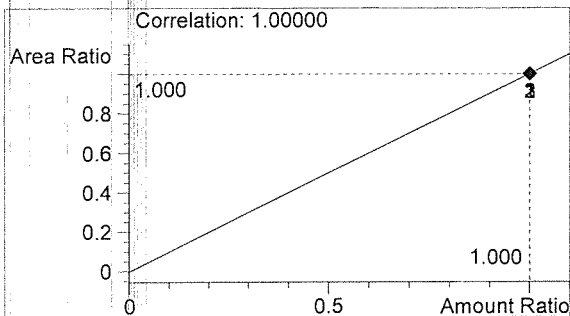
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2346	1.085
2	n-Propanol	2736	1.764



Ethanol 0.187 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: 10/5/2016 12:16:02 PM

Sample Name: QAP 16039 #2

Instrument: HSGC#1

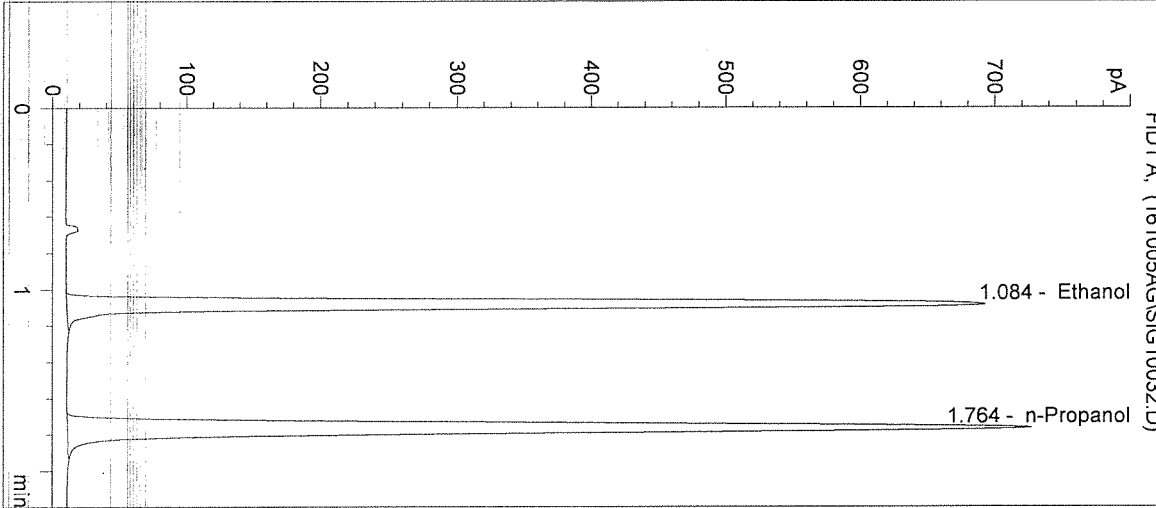
Operator: Andrew Gingras

Column: DB-ALC1

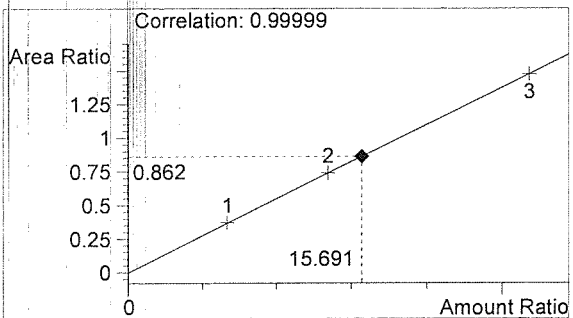
Location: Vial 32

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

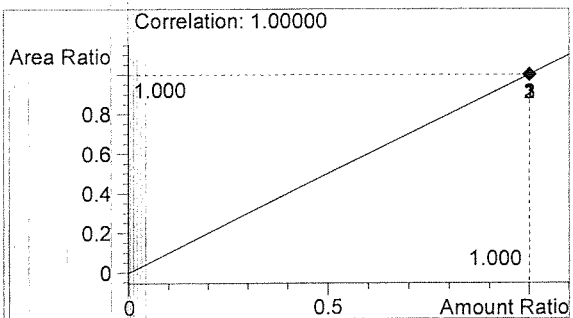
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2319	1.084
2	n-Propanol	2688	1.764



Ethanol 0.188 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 12:19:15 PM

Sample Name: QAP 16039 #3

Instrument: HSGC#1

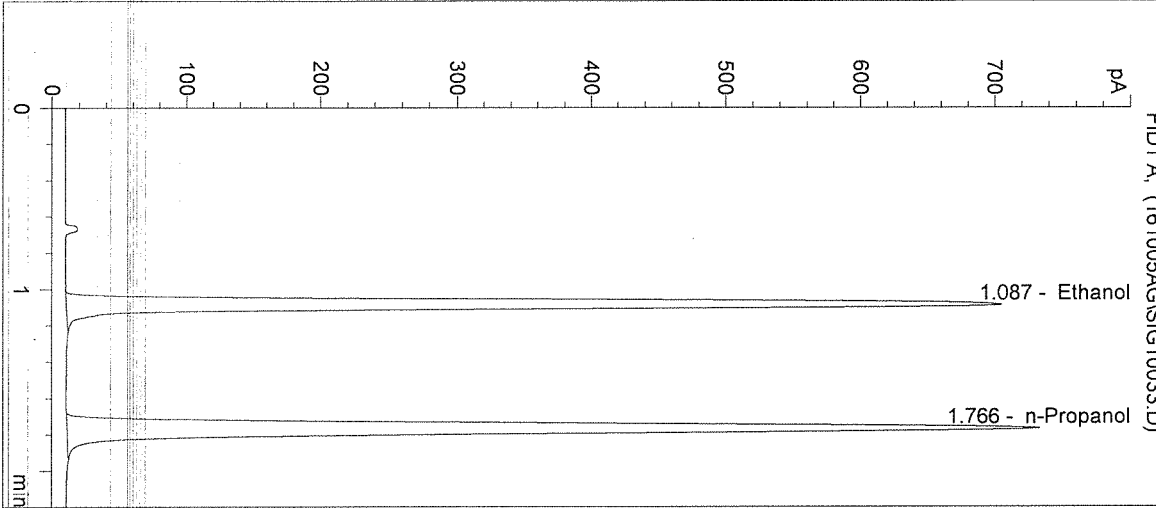
Operator: Andrew Gingras

Column: DB-ALC1

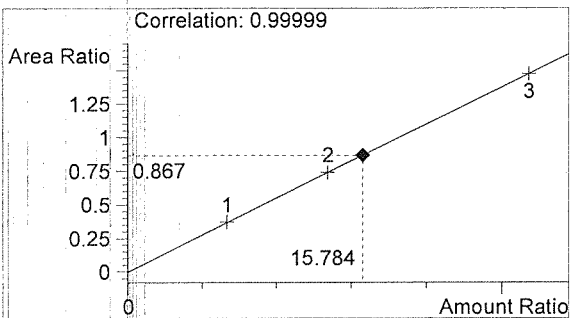
Location: Vial 33

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

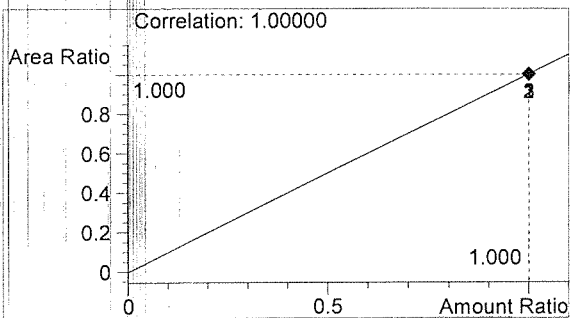
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2362	1.087
2	n-Propanol	2723	1.766



Ethanol 0.189 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 12:22:28 PM

Sample Name: QAP 16039 #4

Instrument: HSGC#1

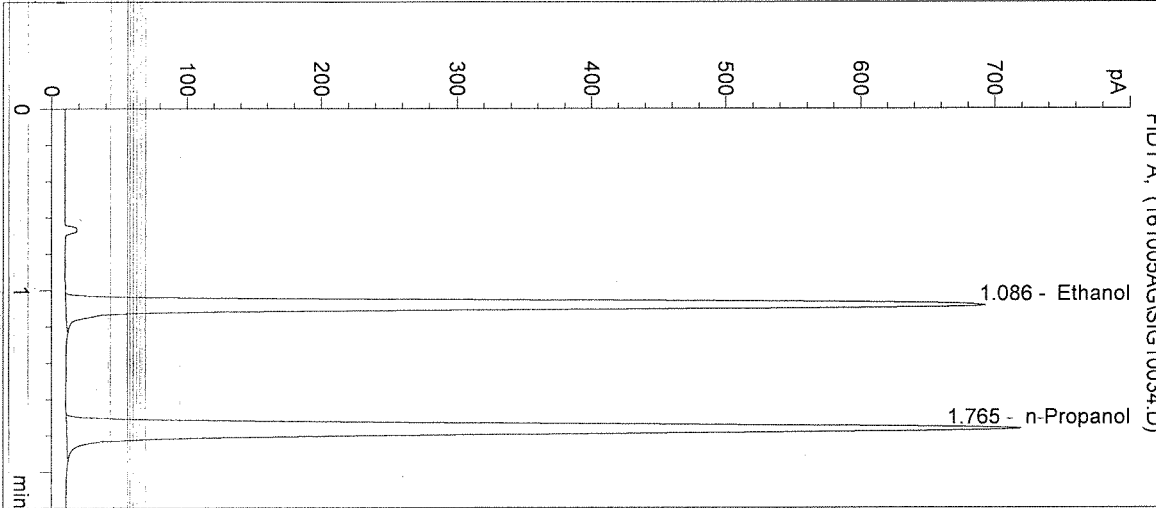
Operator: Andrew Gingras

Column: DB-ALC1

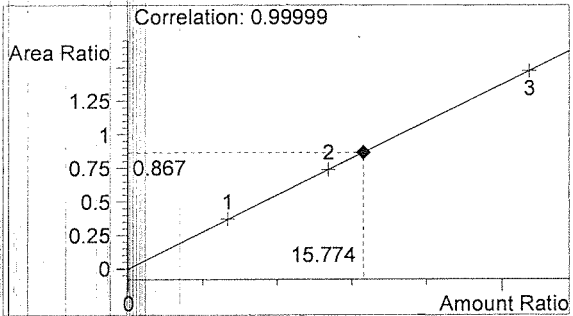
Location: Vial 34

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

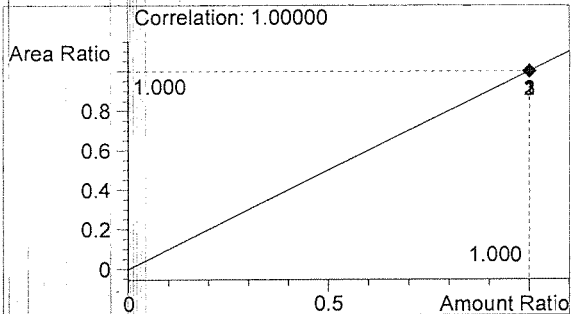
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2322	1.086
2	n-Propanol	2678	1.765



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten signature*

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

Inj. Date: 10/5/2016 12:25:41 PM

Sample Name: QAP 16039 #5

Instrument: HSGC#1

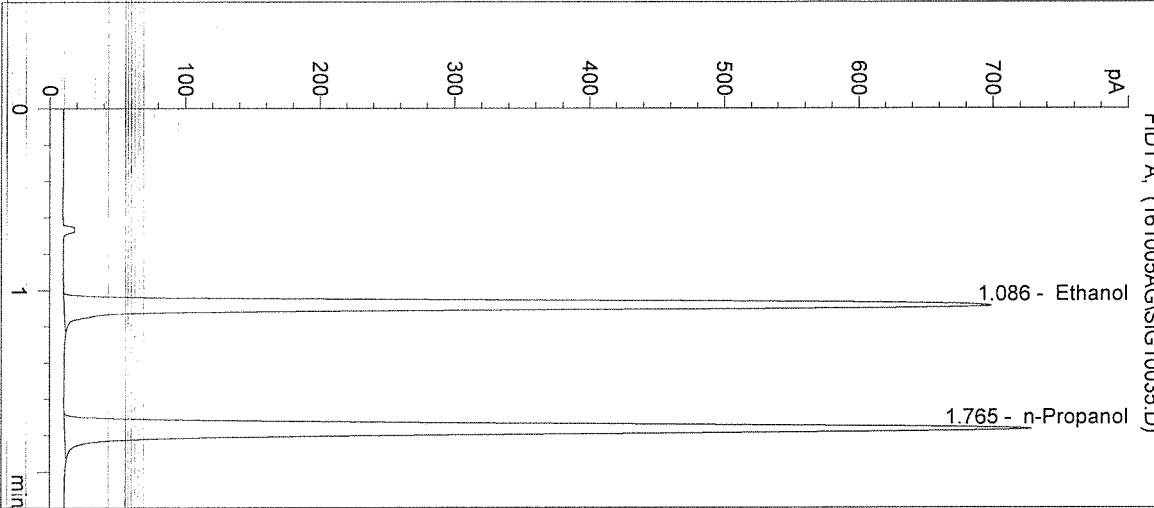
Operator: Andrew Gingras

Column: DB-ALC1

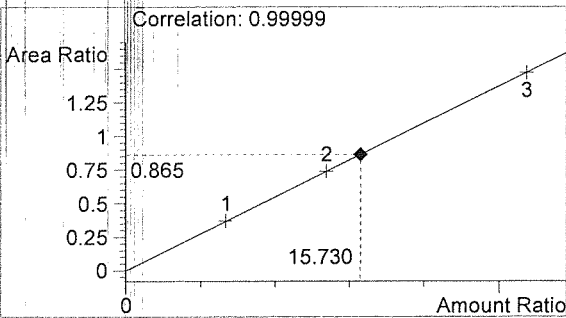
Location: Vial 35

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

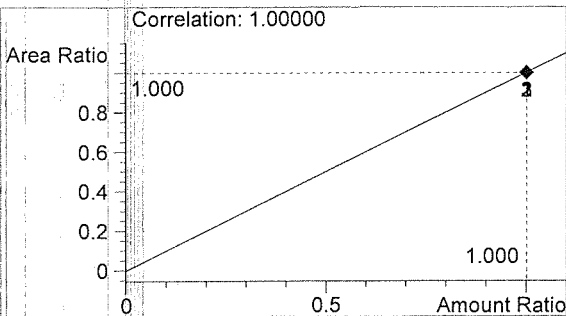
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2343	1.086
2	n-Propanol	2711	1.765



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten signature*



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

Inj. Date: 10/5/2016 12:28:55 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

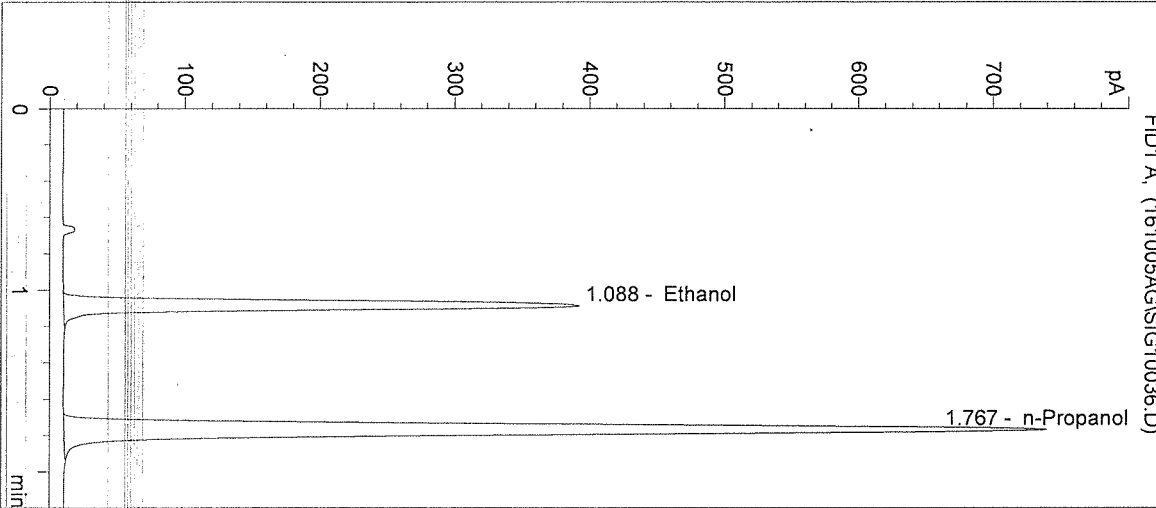
Operator: Andrew Gingras

Column: DB-ALC1

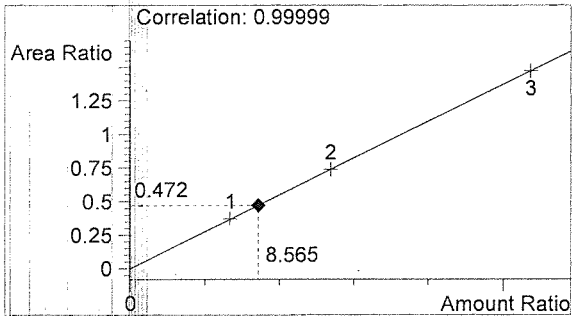
Location: Vial 36

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

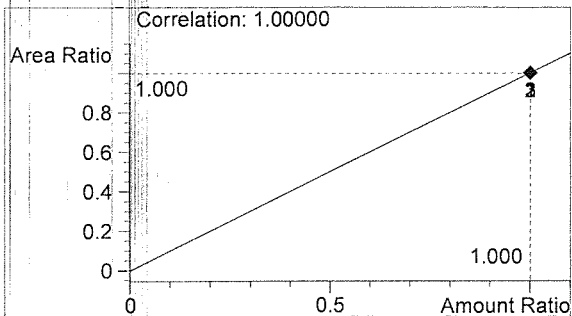
Sample Info: 16039



#	Compound	Peak Area	RT (min)
1	Ethanol	1303	1.088
2	n-Propanol	2764	1.767



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

*fr*

*AB*

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

Inj. Date: 10/5/2016 12:32:10 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

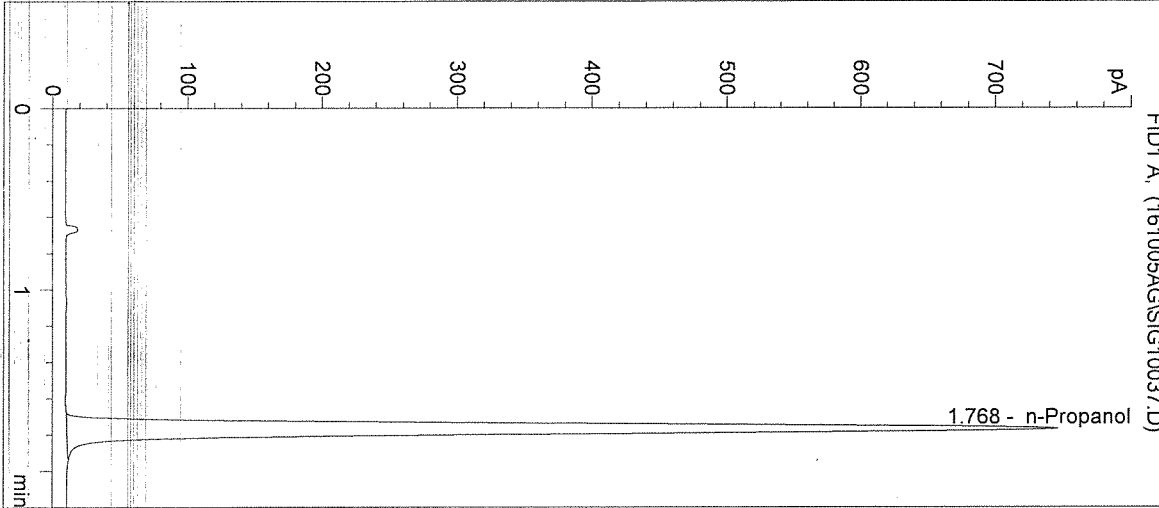
Operator: Andrew Gingras

Column: DB-ALC1

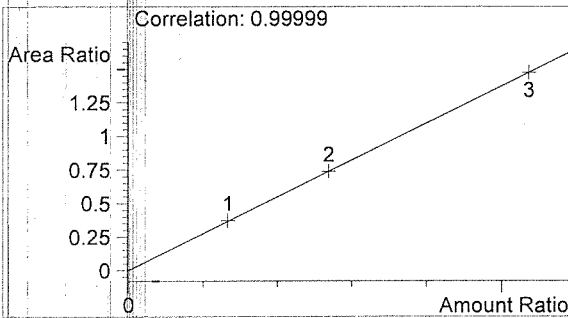
Location: Vial 37

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

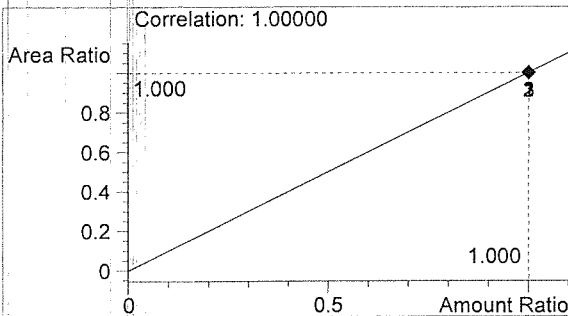
Sample Info: 16039



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2804	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten signature*

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.*

*fn10/12/16*

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	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		

**16039**

*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!

16039  
*Y*  
 11/12/16

DN

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

Inj. Date: 10/11/2016 12:13:46 PM

Sample Name: 16039 #1

Instrument: HSGC#1

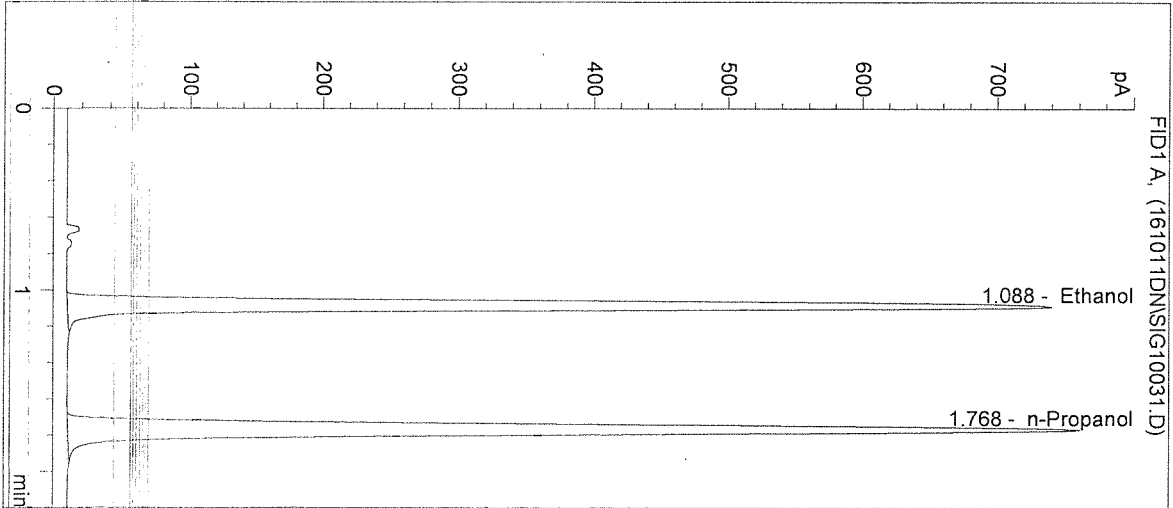
Operator: David Nguyen

Column: DB-ALC1

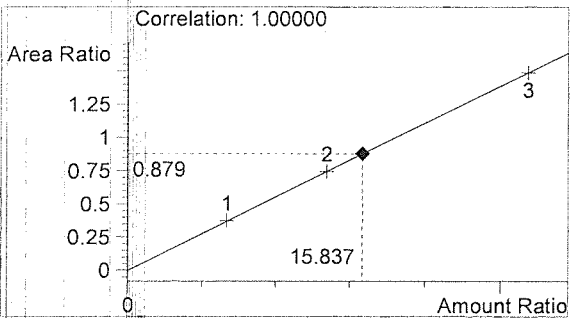
Location: Vial 31

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

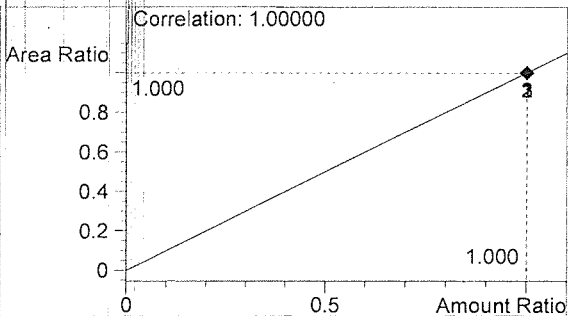
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2512	1.088
2	n-Propanol	2856	1.768



Ethanol 0.190 g/100mL



n-Propanol 0.012 g/100mL

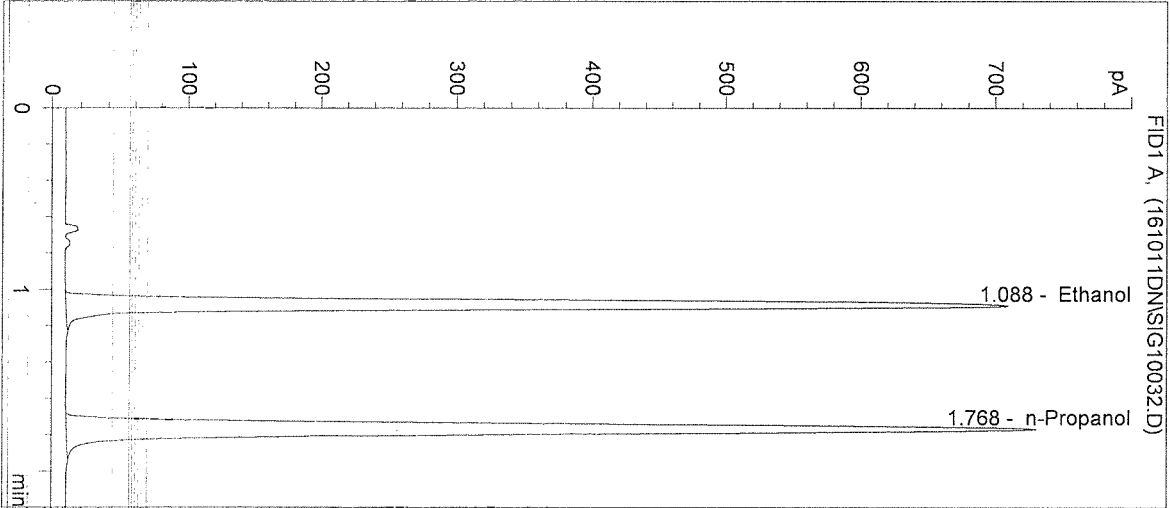
*Handwritten mark*

*DN*

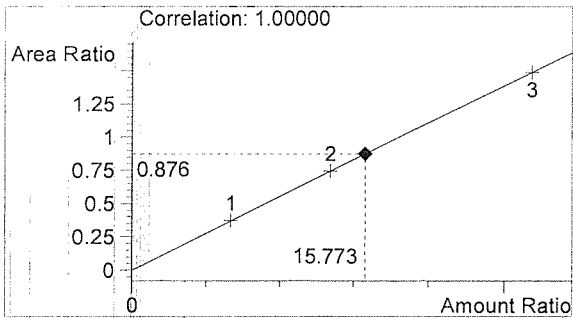
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 12:16:59 PM      Sample Name: 16039 #2  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 32  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

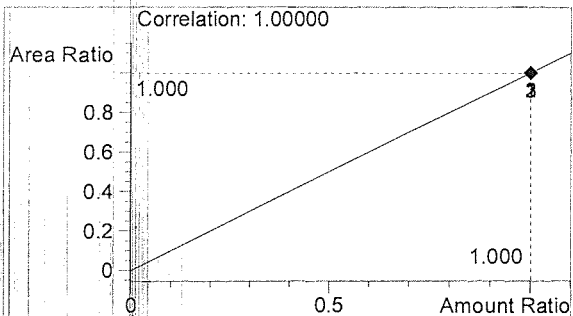
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2395	1.088
2	n-Propanol	2735	1.768



Ethanol      0.189 g/100mL



n-Propanol      0.012 g/100mL

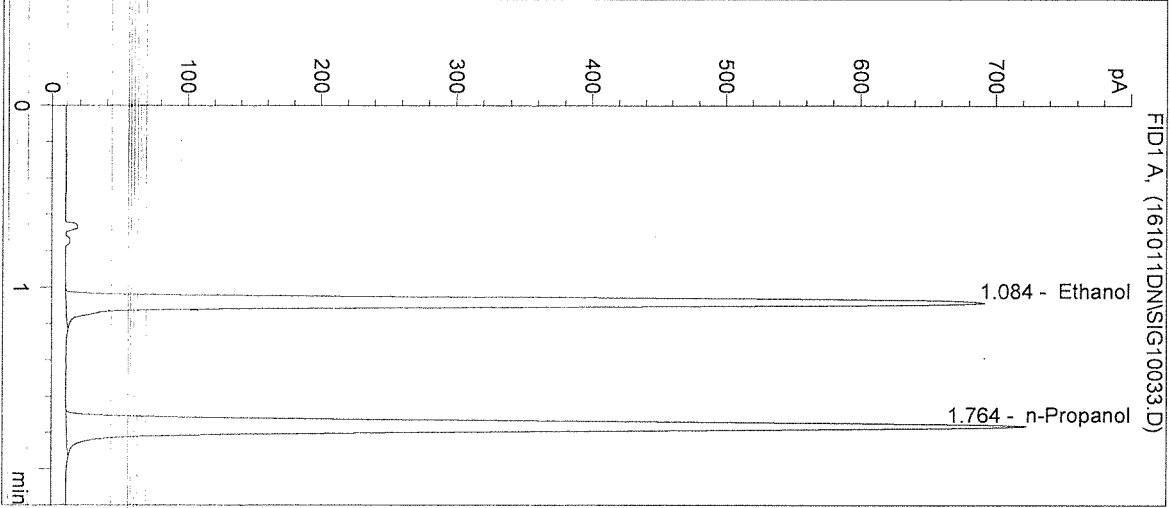
*Handwritten initials*

*DN*

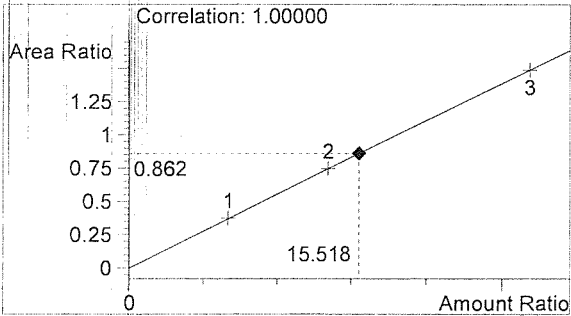
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 12:20:12 PM      Sample Name: 16039 #3  
Instrument: HSGC#1      Operator: David Nguyen  
Column: DB-ALC1      Location: Vial 33  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

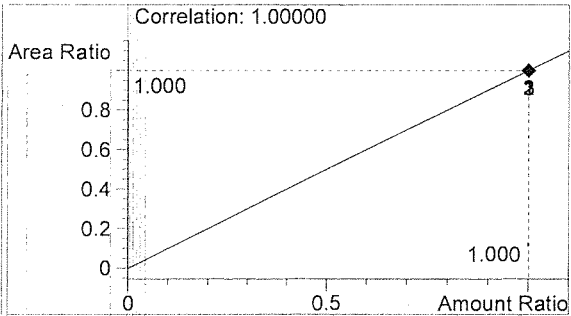
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2305	1.084
2	n-Propanol	2675	1.764



Ethanol      0.186 g/100mL



n-Propanol      0.012 g/100mL

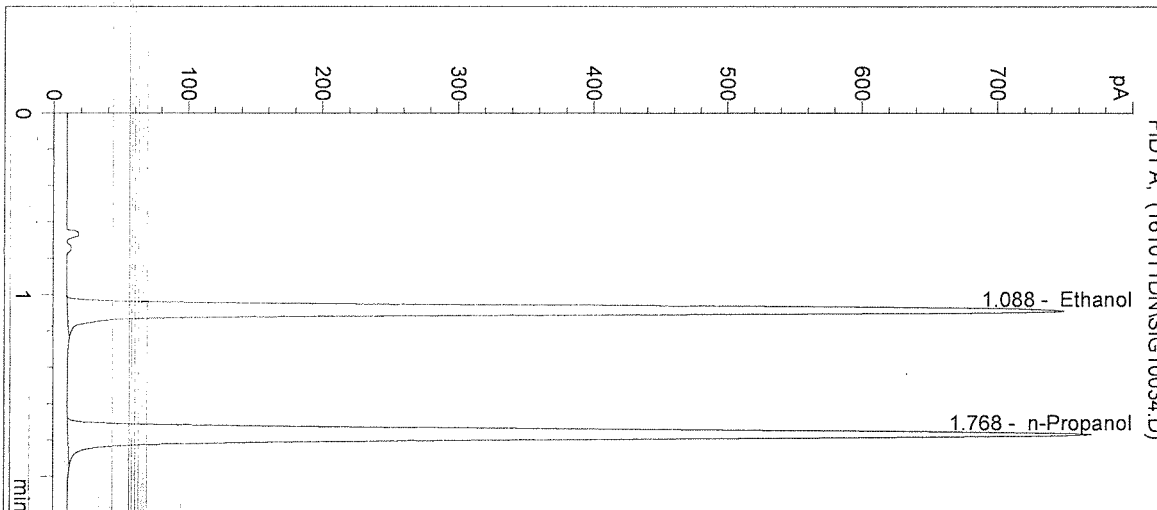
*Handwritten signature*

DN

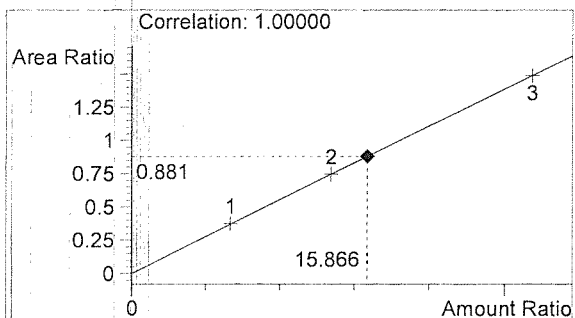
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 12:23:25 PM      Sample Name: 16039 #4  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 34  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

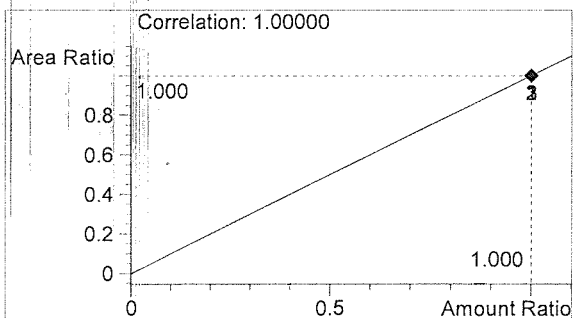
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2542	1.088
2	n-Propanol	2885	1.768



Ethanol      0.190 g/100mL



n-Propanol      0.012 g/100mL

*fr*

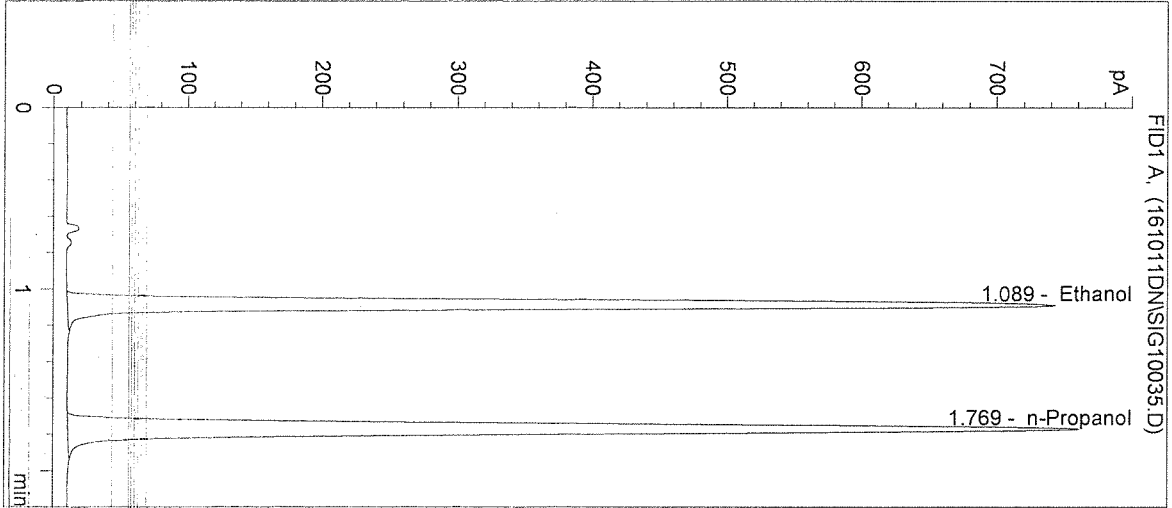
DN



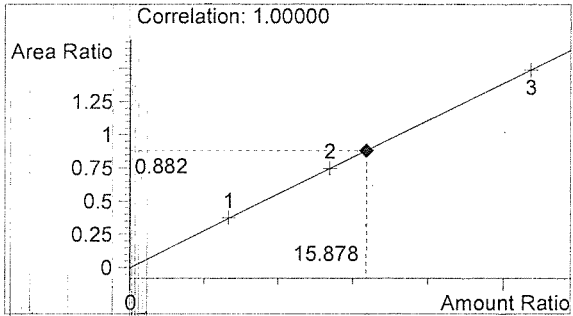
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 12:26:38 PM      Sample Name: 16039 #5  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 35  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

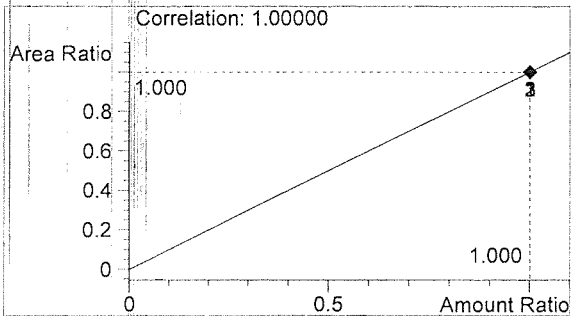
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2520	1.089
2	n-Propanol	2858	1.769



Ethanol      0.191 g/100mL



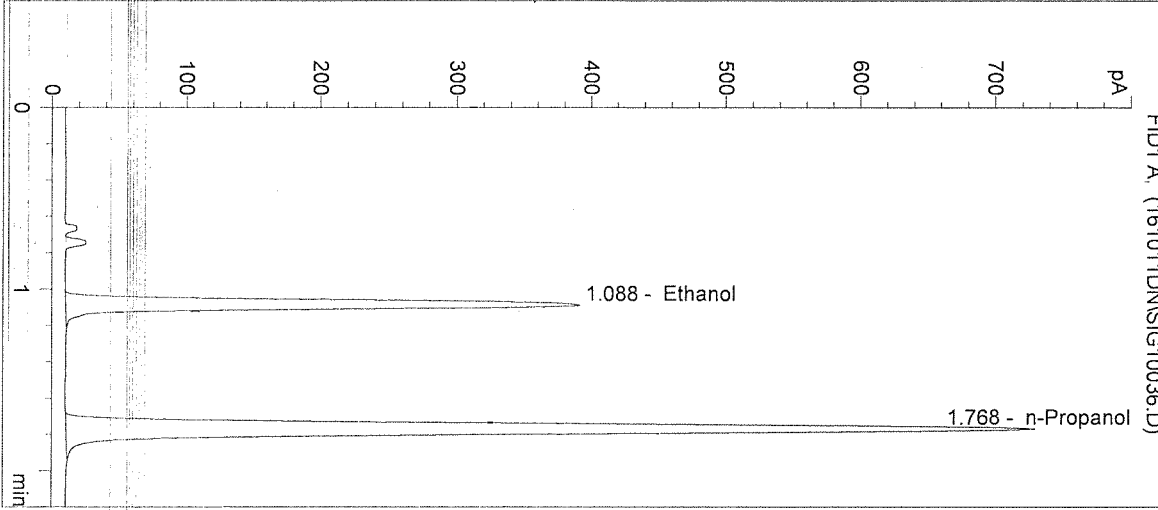
n-Propanol      0.012 g/100mL

*Handwritten mark*

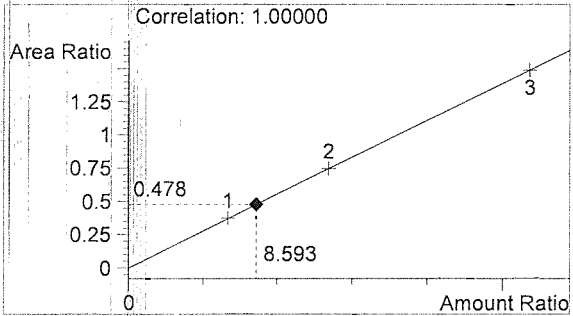
*DN*

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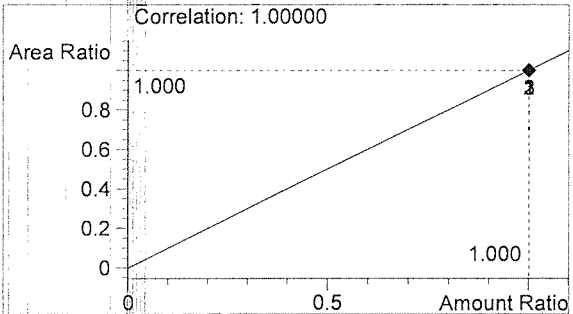
Inj. Date: 10/11/2016 12:29:51 PM      Sample Name: POS CTRL (0.10)  
 Instrument: HSGC#1      Operator: David Nguyen  
 Column: DB-ALC1      Location: Vial 36  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: POS CTRL: 0.10 g/100mL  
 16039



#	Compound	Peak Area	RT (min)
1	Ethanol	1305	1.088
2	n-Propanol	2731	1.768



Ethanol      0.103 g/100mL



n-Propanol      0.012 g/100mL

*Handwritten signature*

DN

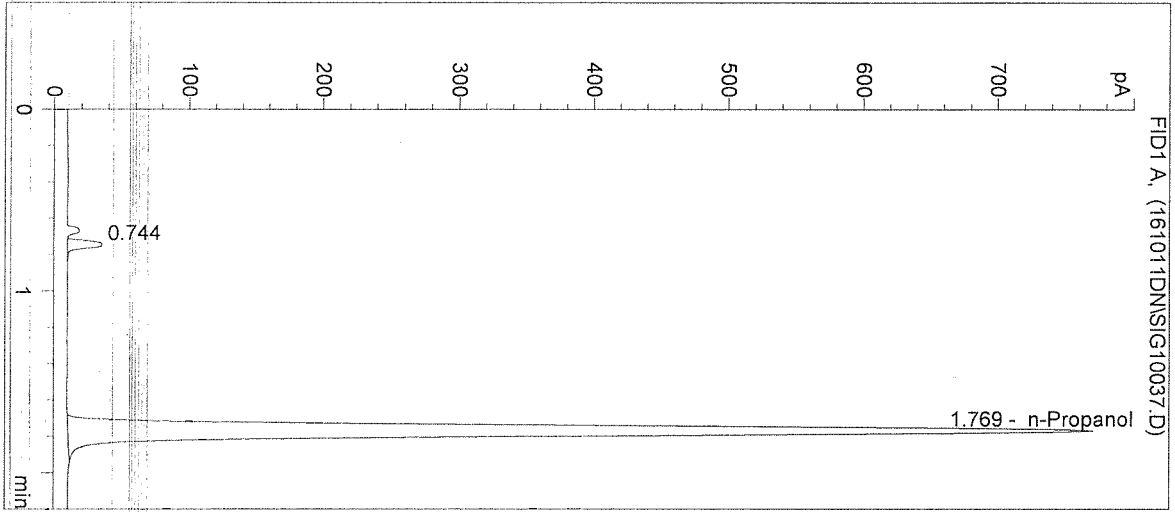
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 12:33:07 PM  
 Instrument: HSGC#1

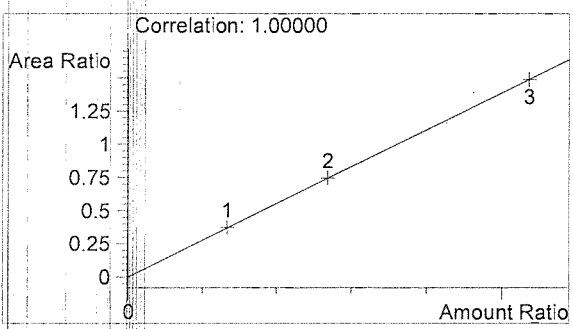
Sample Name: NEG CTRL  
 Operator: David Nguyen  
 Location: Vial 37

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

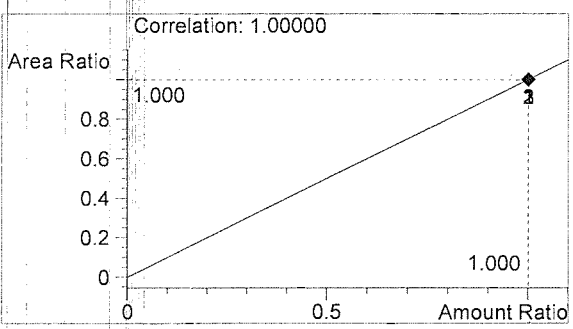
Sample Info: 16039



#	Compound	Peak Area	RT (min)
1		68	0.744
2	Ethanol	0	0.000
3	n-Propanol	2895	1.769



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten initials*

*DN*