



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16038

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: 0.10 g/210L
DATE PREPARED: 10/03/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Rebecca Flaherty

	RF	AG	DN
1	0.126	0.126	0.127
2	0.127	0.126	0.128
3	0.126	0.126	0.126
4	0.126	0.126	0.127
5	0.127	0.126	0.128
C	0.102	0.102	0.103

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1265 g/100mL PRECISION CV (%): 0.59
STANDARD DEVIATION: 0.00074 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1029 g/210L**
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95.45% confidence interval)

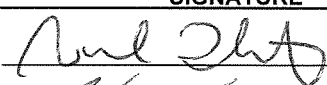
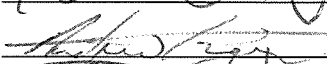
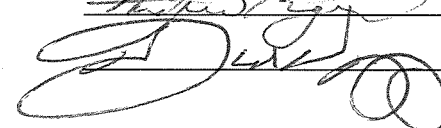
WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



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 #: 16038

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	0.126	0.126	0.127
2	0.127	0.126	0.128
3	0.126	0.126	0.126
4	0.126	0.126	0.127
5	0.127	0.126	0.128
C	0.102	0.102	0.103

	CV ² _{COA}	CV ² _{QAP Solution}	CV ² _{Control}	CV ² _{Part Coef}
1012	0.0000084100	0.0000023001	0.0000106102	0.0001016326

Ethanol Control Lot #: FN08051301

Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1265 g/100mL
 Standard Deviation: 0.00074 g/100mL
 Precision CV (%): 0.59
 Equivalent Vapor Concentration: 0.1029 g/210L
 Combined Standard Uncertainty (±): 0.0011 g/210L
 Expanded Uncertainty (±): 0.0022 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 Method: Hand calculation
 Name Signature Date

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

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda H. Black Date: 10-21-14

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16038

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

Batch # 16038 *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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16038**

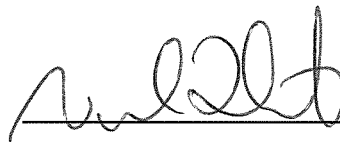
I, Rebecca Flaherty, do certify under penalty of perjury that:

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 16038, 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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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16038**

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 16038, 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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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16038**

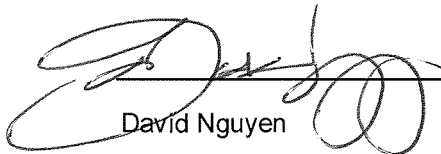
I, David Nguyen, do certify under penalty of perjury that:

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 16038, 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 0.20 0.08 RF 10.3.16	58.1 11.2 RF 10.3.16	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 Signature10.3.16
DateRF

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		

16038
fn1012/16

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!

16038

Finalized

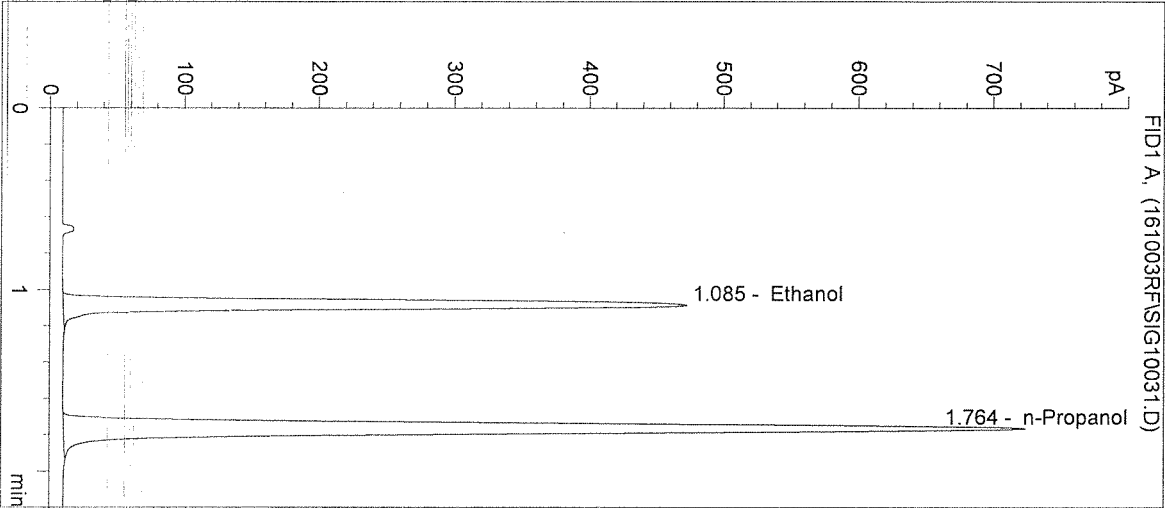
RF

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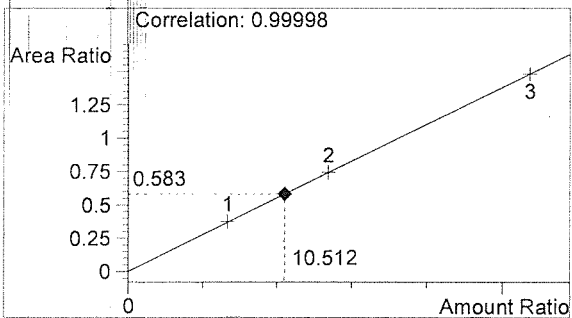
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 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16038-1
 Operator: Rebecca Flaherty
 Location: Vial 31

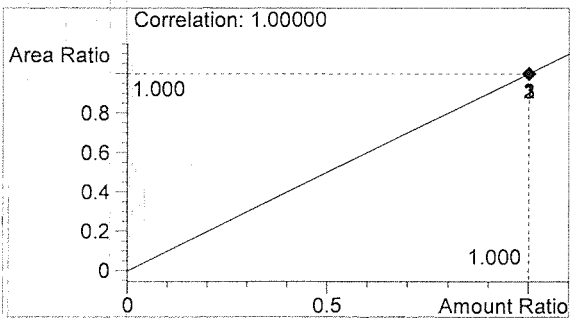
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1566	1.085
2	n-Propanol	2685	1.764



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

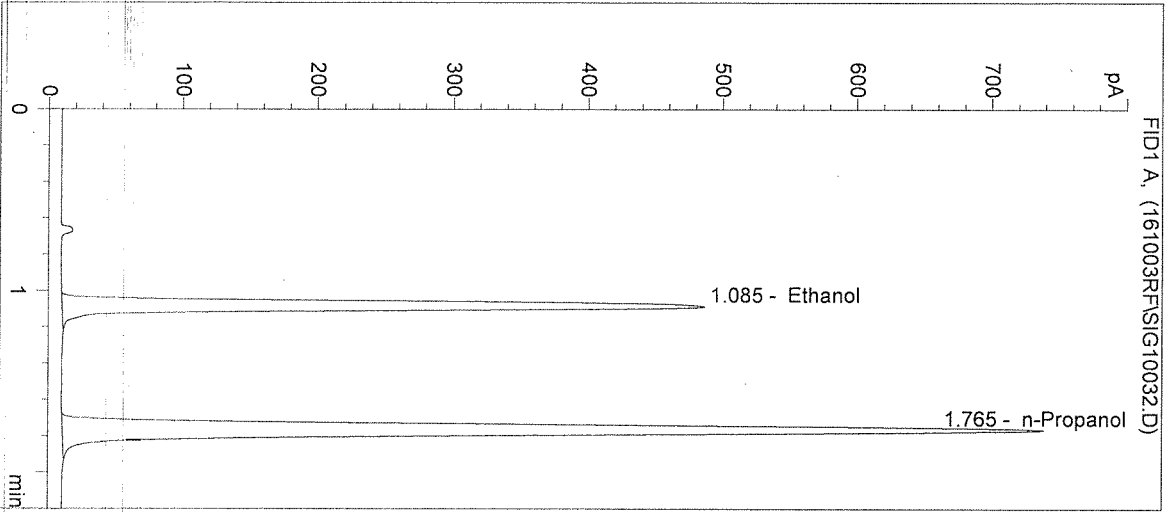
Handwritten signature

RA

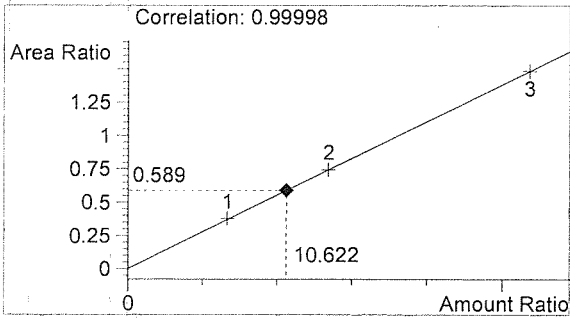
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/3/2016 2:42:14 PM Sample Name: 16038-2
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 32
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

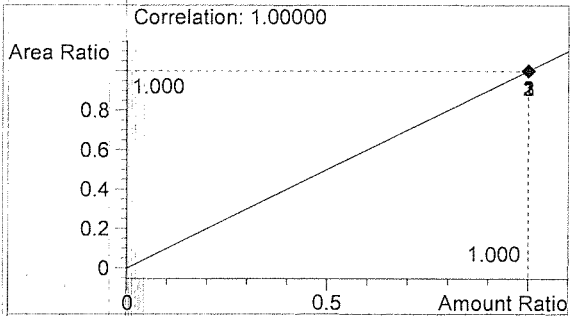
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1615	1.085
2	n-Propanol	2741	1.765



Ethanol 0.127 g/100mL



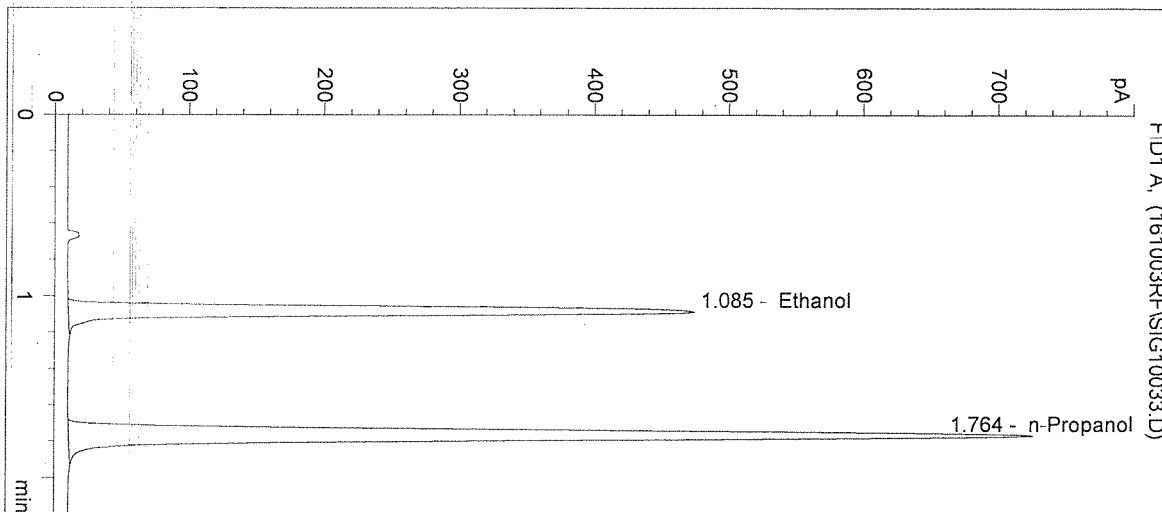
n-Propanol 0.012 g/100mL

RF

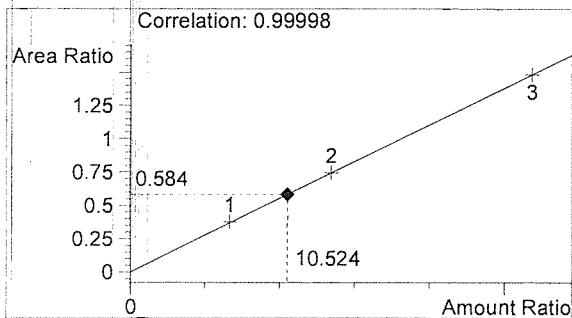
RF

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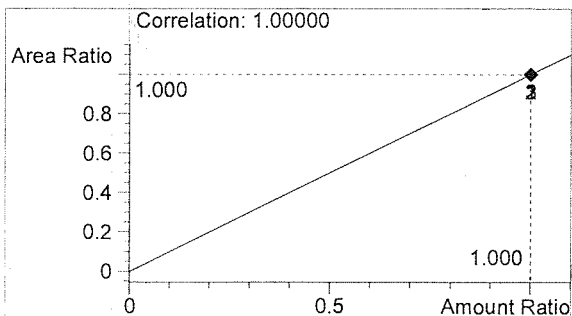
Inj. Date: 10/3/2016 2:45:28 PM Sample Name: 16038-3
 Instrument: HSGC#1 Operator: Rebecca Flaherty
 Column: DB-ALC1 Location: Vial 33
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1569	1.085
2	n-Propanol	2687	1.764



Ethanol 0.126 g/100mL



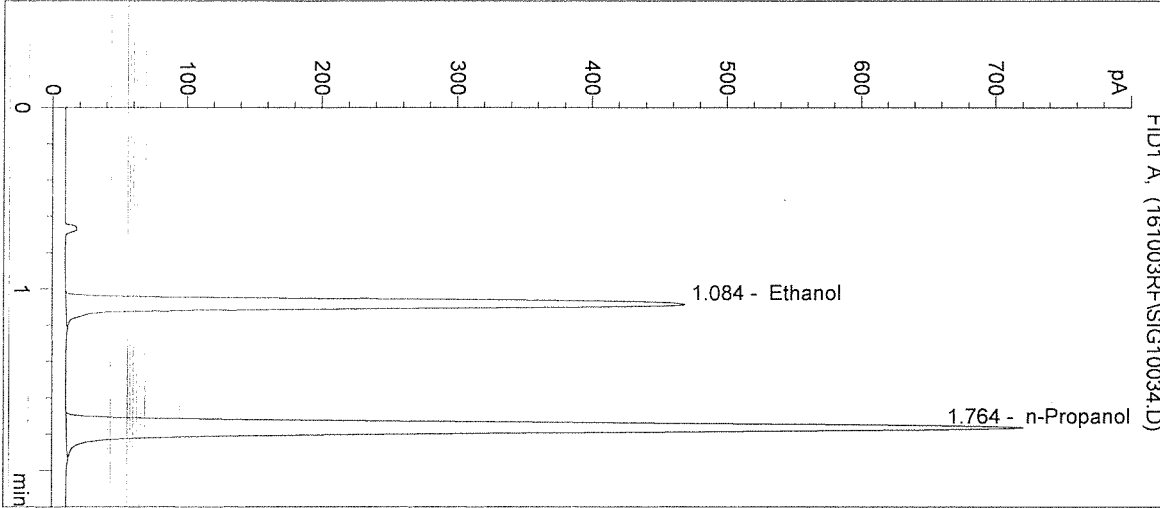
n-Propanol 0.012 g/100mL

fr

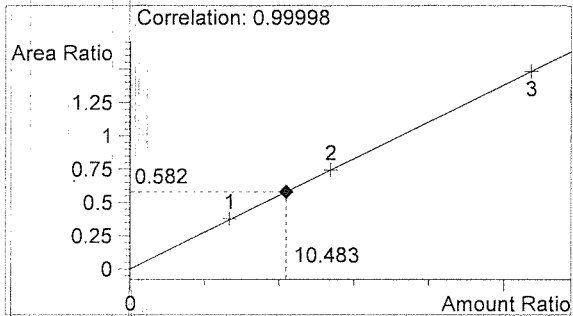
KF

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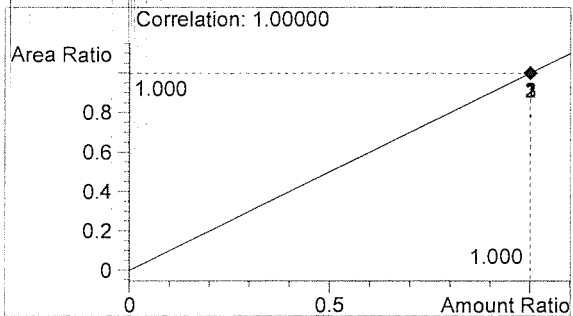
Inj. Date: 10/3/2016 2:48:41 PM Sample Name: 16038-4
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 34
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1550	1.084
2	n-Propanol	2664	1.764



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

fr

RF

Inj. Date: 10/3/2016 2:51:54 PM

Sample Name: 16038-5

Instrument: HSGC#1

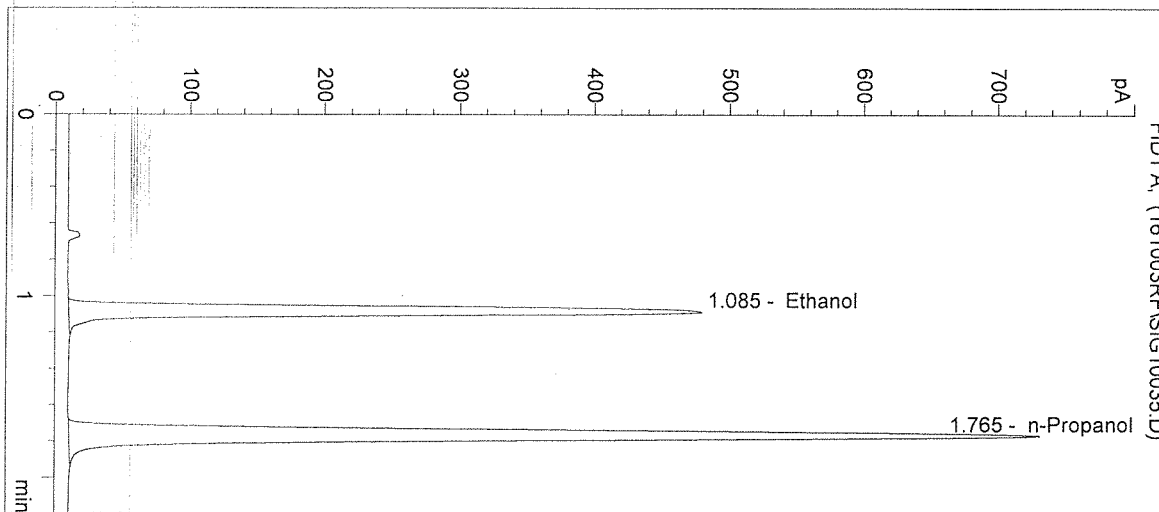
Operator: Rebecca Flaherty

Column: DB-ALC1

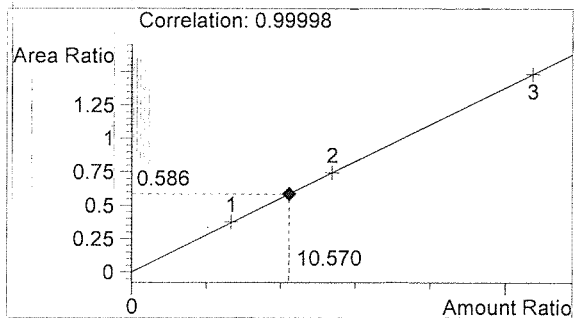
Location: Vial 35

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

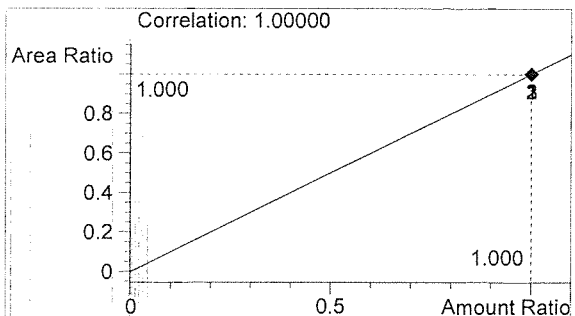
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1592	1.085
2	n-Propanol	2715	1.765



Ethanol 0.127 g/100mL



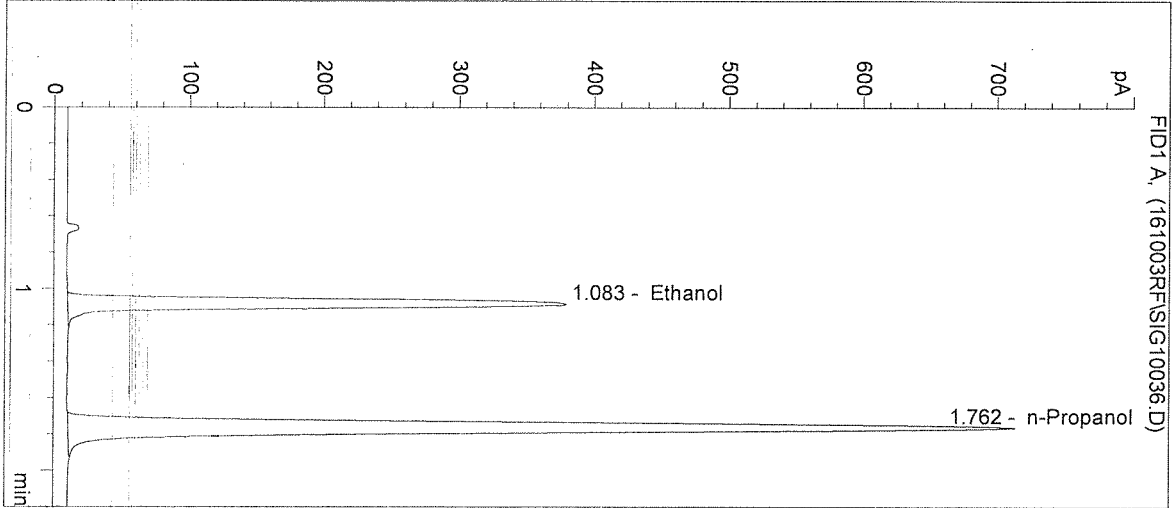
n-Propanol 0.012 g/100mL

RF

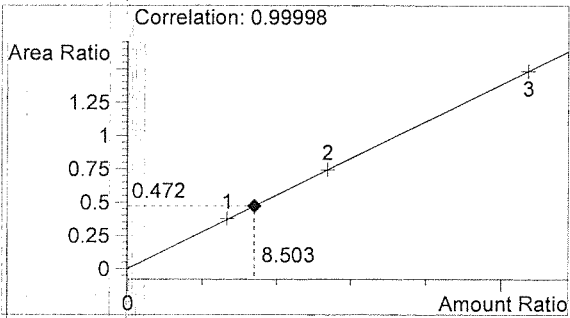
RF

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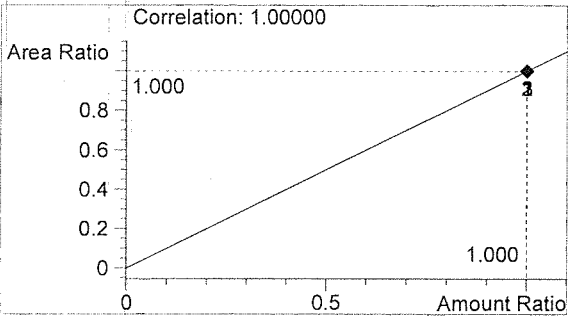
Inj. Date: 10/3/2016 2:55:07 PM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 36
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16038



#	Compound	Peak Area	RT (min)
1	Ethanol	1244	1.083
2	n-Propanol	2632	1.762



Ethanol 0.102 g/100mL



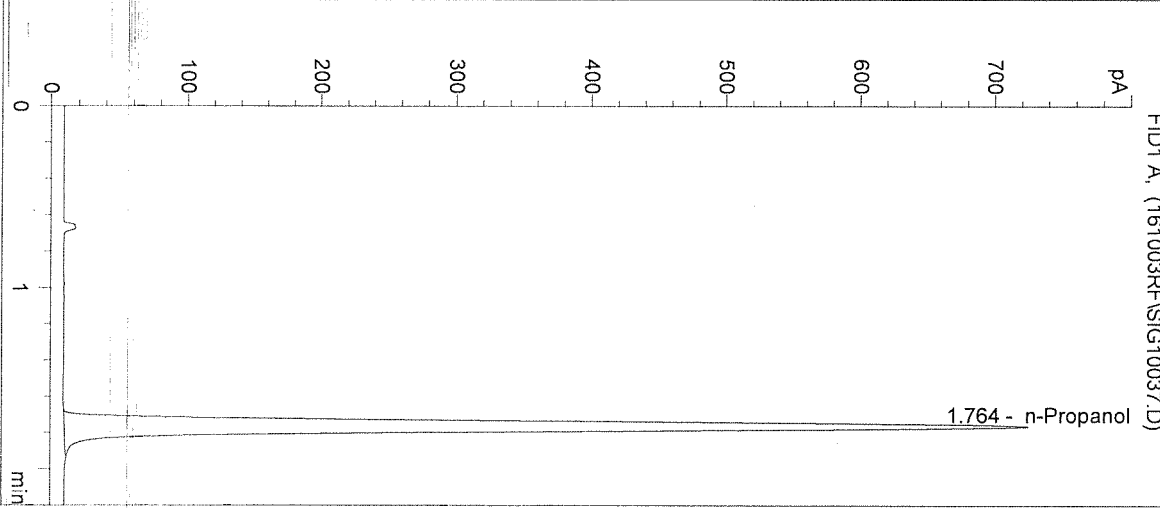
n-Propanol 0.012 g/100mL

RF

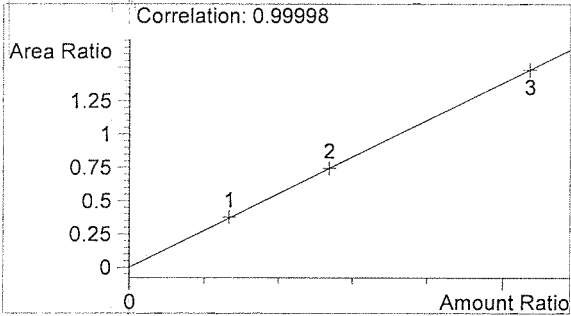
RF

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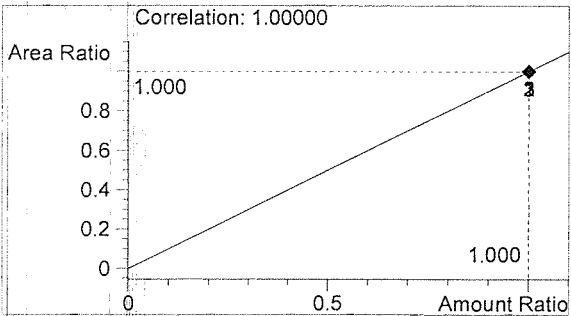
Inj. Date: 10/3/2016 2:58:20 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 37
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16038



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2682	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

R

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

AG 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		

16038
Inj 10/12/16

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!

16038
10/12/16

AG

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

Inj. Date: 10/5/2016 11:50:16 AM

Sample Name: QAP 16038 #1

Instrument: HSGC#1

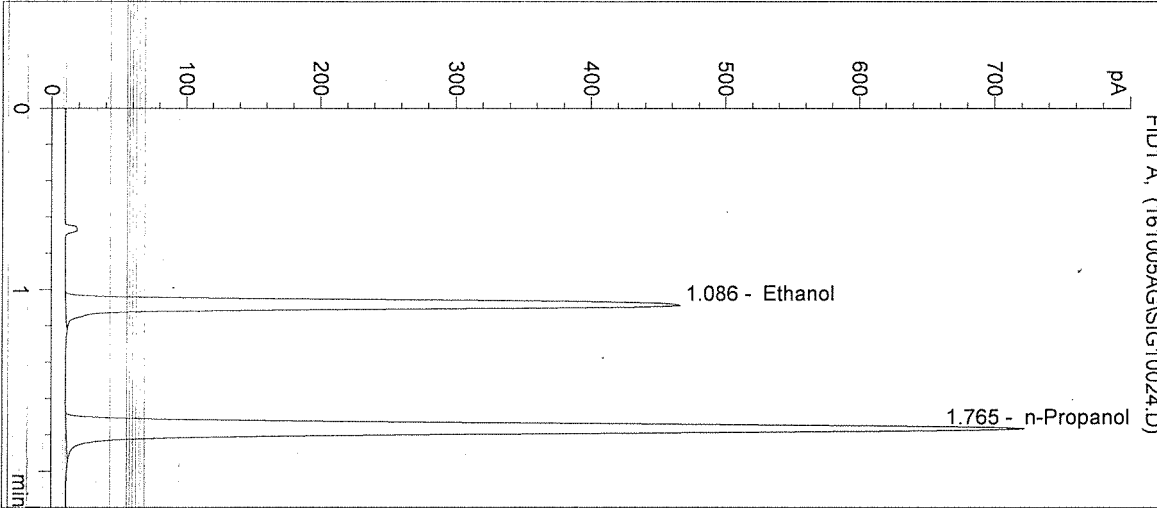
Operator: Andrew Gingras

Column: DB-ALC1

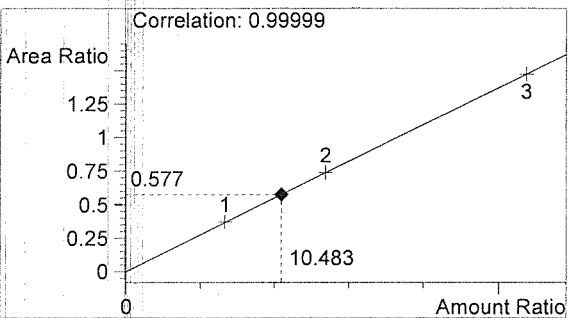
Location: Vial 24

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

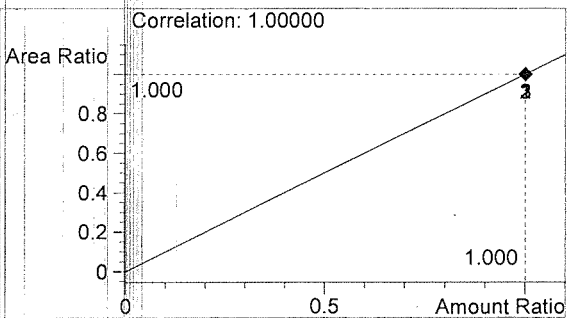
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1542	1.086
2	n-Propanol	2673	1.765



Ethanol 0.126 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 11:53:29 AM

Sample Name: QAP 16038 #2

Instrument: HSGC#1

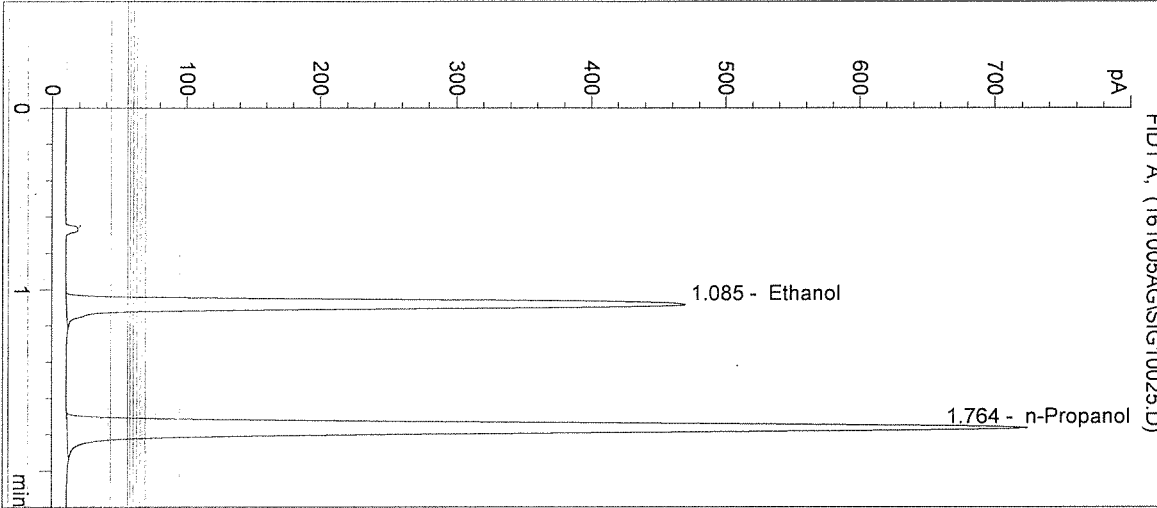
Operator: Andrew Gingras

Column: DB-ALC1

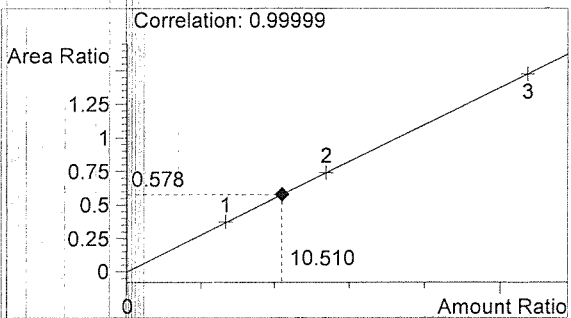
Location: Vial 25

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

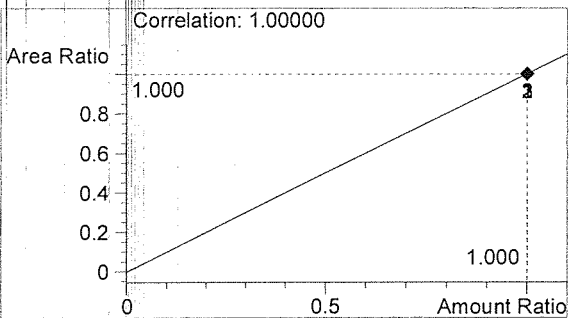
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1553	1.085
2	n-Propanol	2686	1.764



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 10/5/2016 11:56:42 AM

Sample Name: QAP 16038 #3

Instrument: HSGC#1

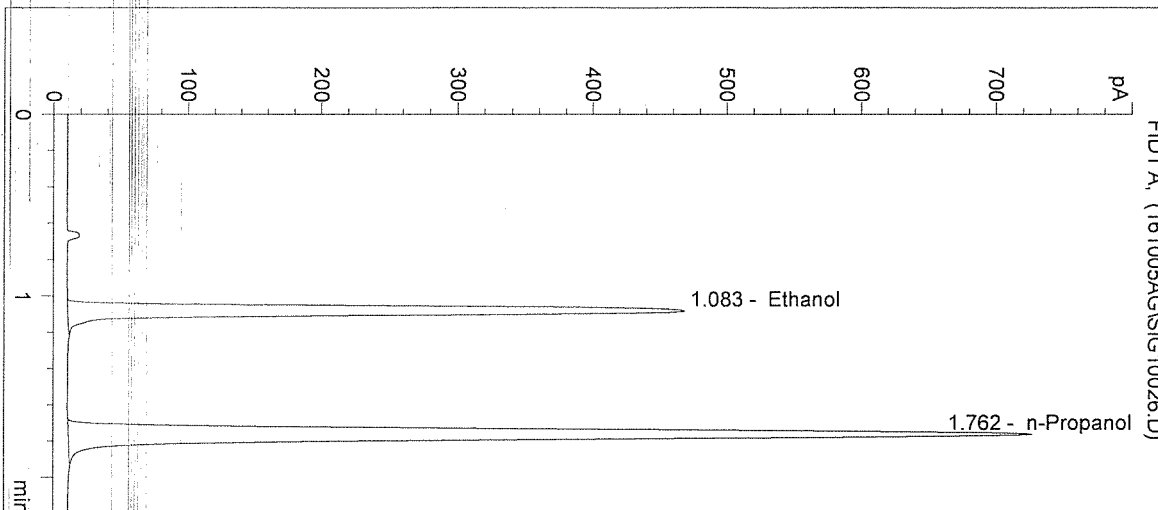
Operator: Andrew Gingras

Column: DB-ALC1

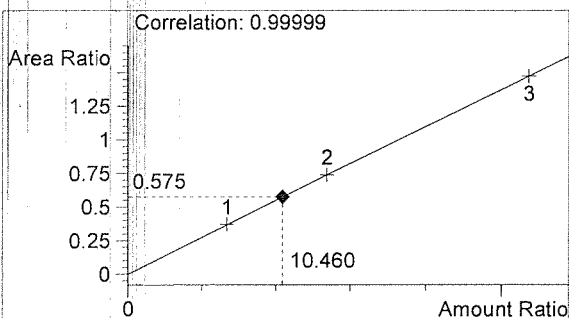
Location: Vial 26

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

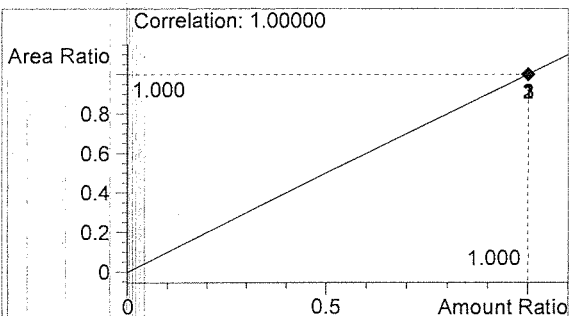
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1545	1.083
2	n-Propanol	2685	1.762



Ethanol 0.126 g/100mL



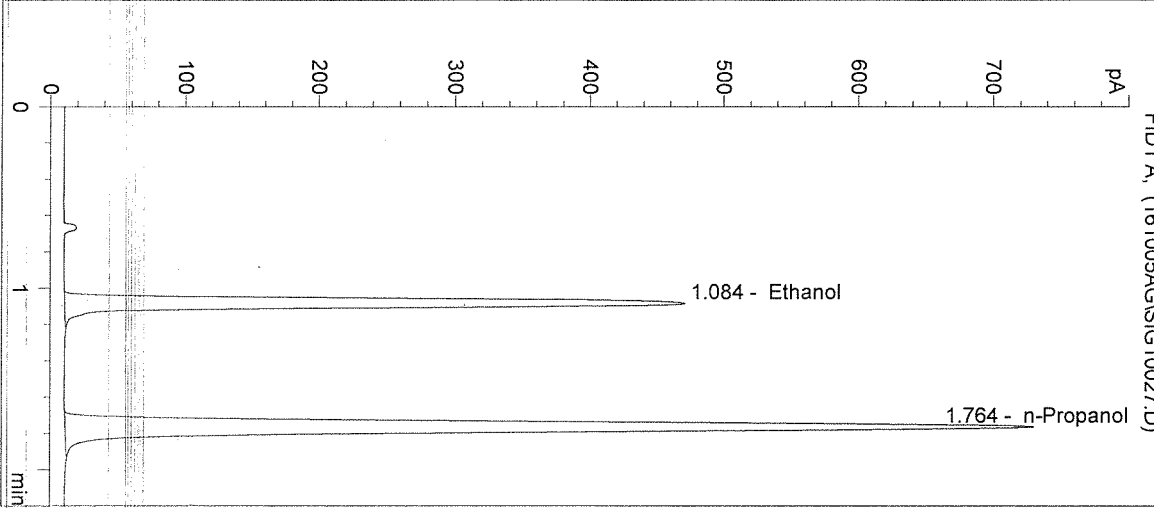
n-Propanol 0.012 g/100mL

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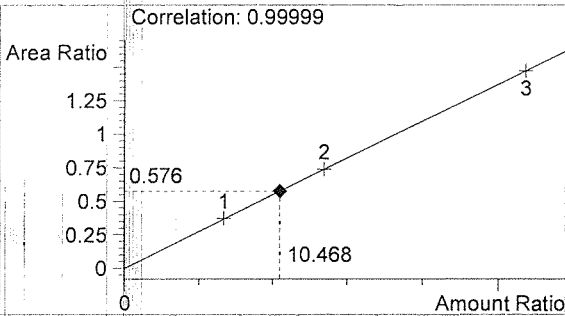
Handwritten signature

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

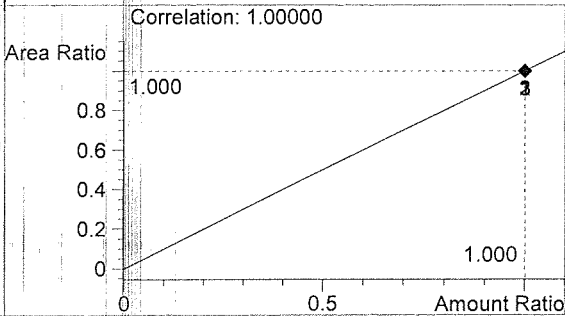
Inj. Date: 10/5/2016 11:59:56 AM Sample Name: QAP 16038 #4
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 27
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1560	1.084
2	n-Propanol	2708	1.764



Ethanol 0.126 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 12:03:09 PM

Sample Name: QAP 16038 #5

Instrument: HSGC#1

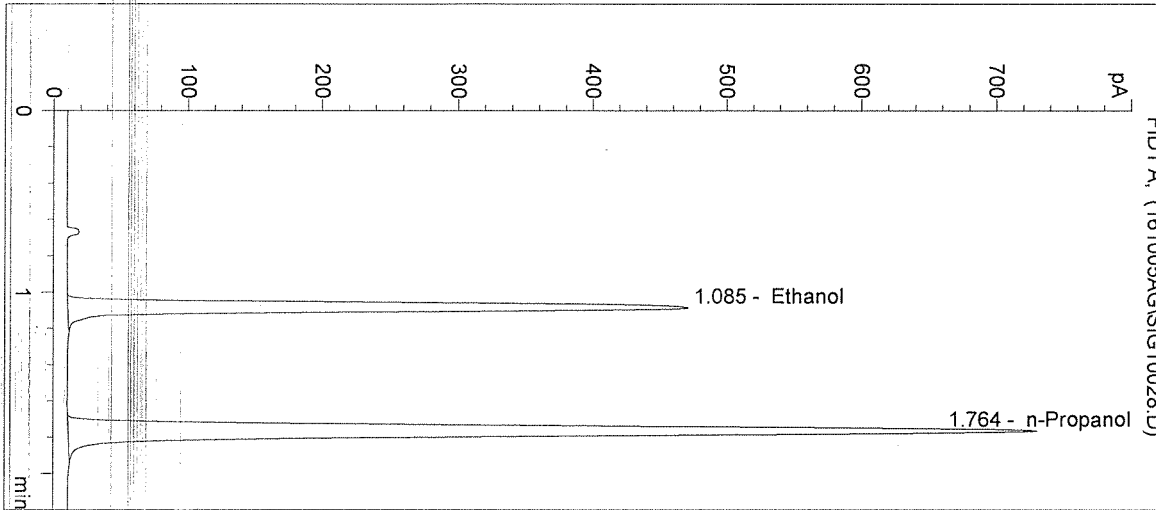
Operator: Andrew Gingras

Column: DB-ALC1

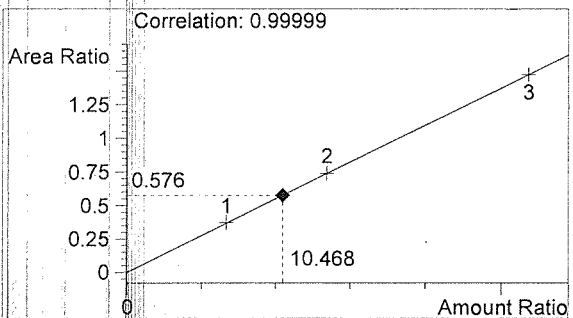
Location: Vial 28

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

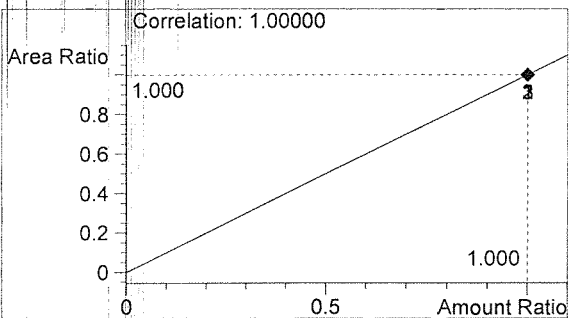
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1557	1.085
2	n-Propanol	2704	1.764



Ethanol 0.126 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 12:06:22 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

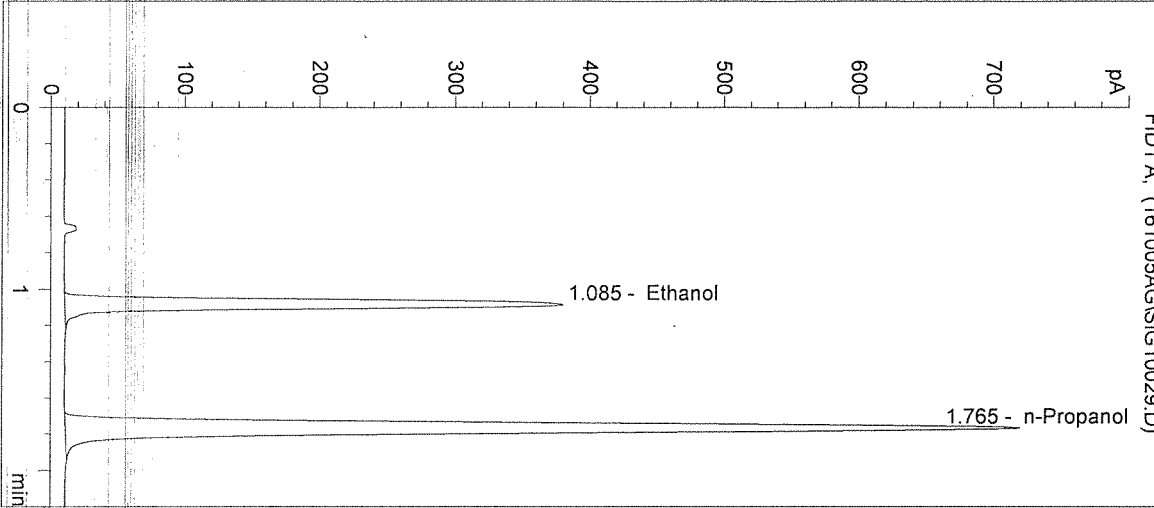
Operator: Andrew Gingras

Column: DB-ALC1

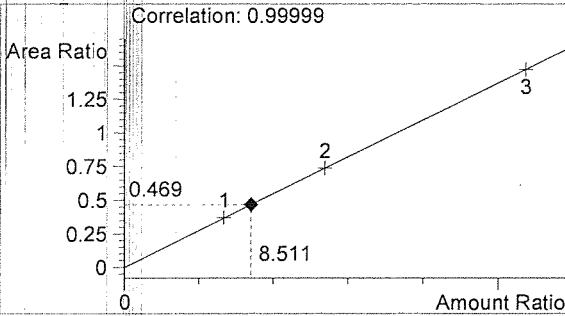
Location: Vial 29

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

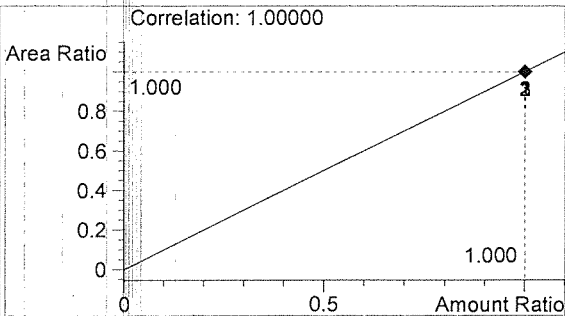
Sample Info: 16038



#	Compound	Peak Area	RT (min)
1	Ethanol	1250	1.085
2	n-Propanol	2667	1.765



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 12:09:35 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

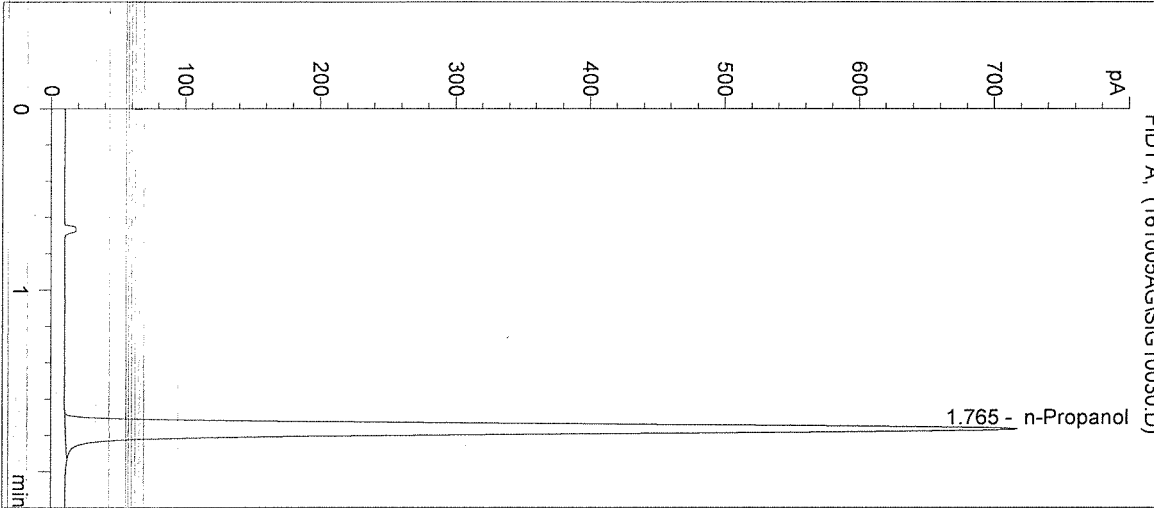
Operator: Andrew Gingras

Column: DB-ALC1

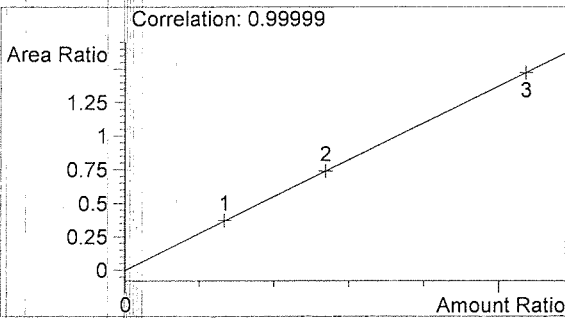
Location: Vial 30

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

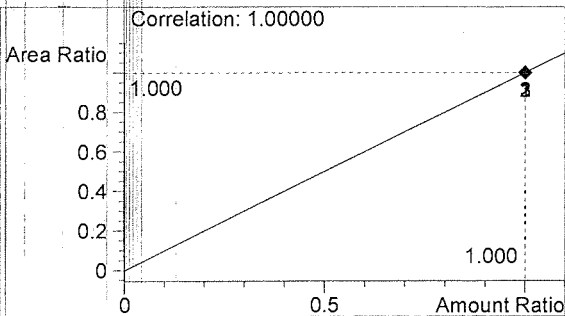
Sample Info: 16038



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2667	1.765



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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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		

16038

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!

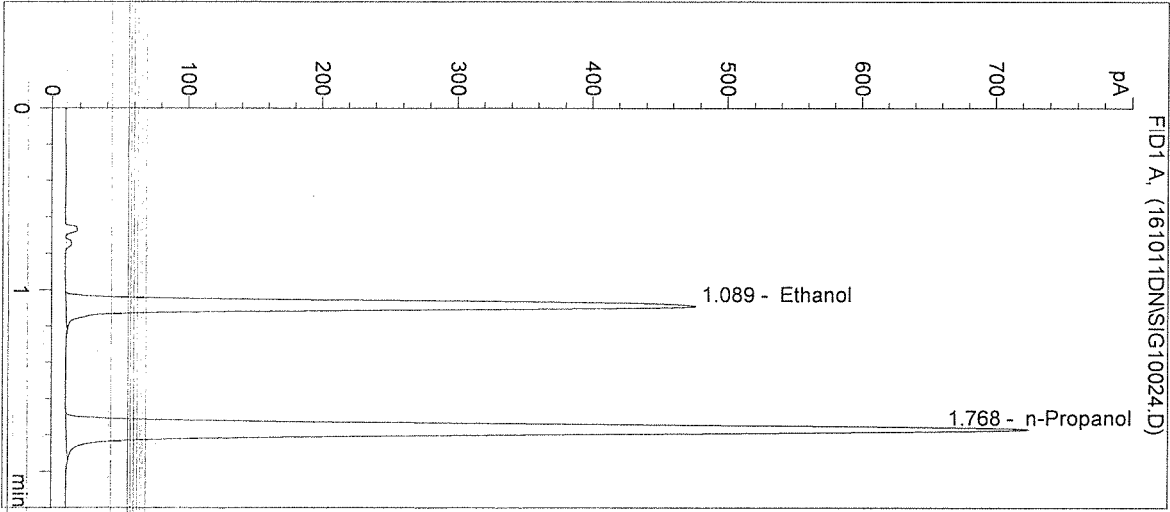
16038
Final 2/16

DN

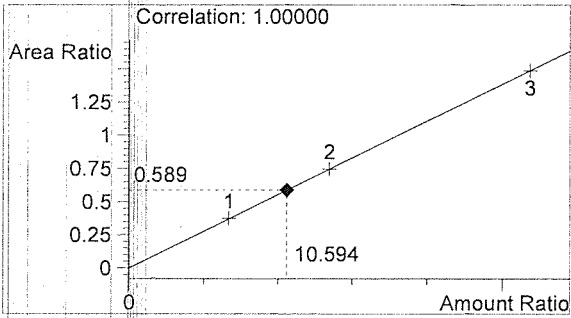
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 11:51:13 AM Sample Name: 16038 #1
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 24
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

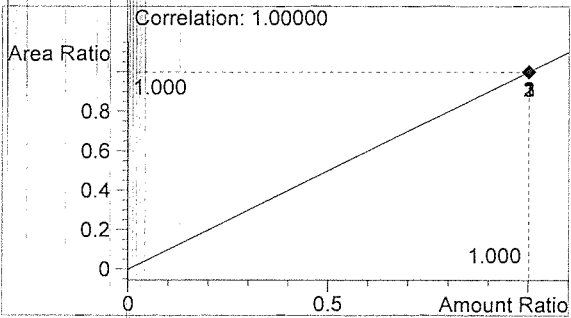


#	Compound	Peak Area	RT (min)
1	Ethanol	1603	1.089
2	n-Propanol	2723	1.768



Ethanol 0.127 g/100mL

fn



n-Propanol 0.012 g/100mL

DN

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

Inj. Date: 10/11/2016 11:54:26 AM

Sample Name: 16038 #2

Instrument: HSGC#1

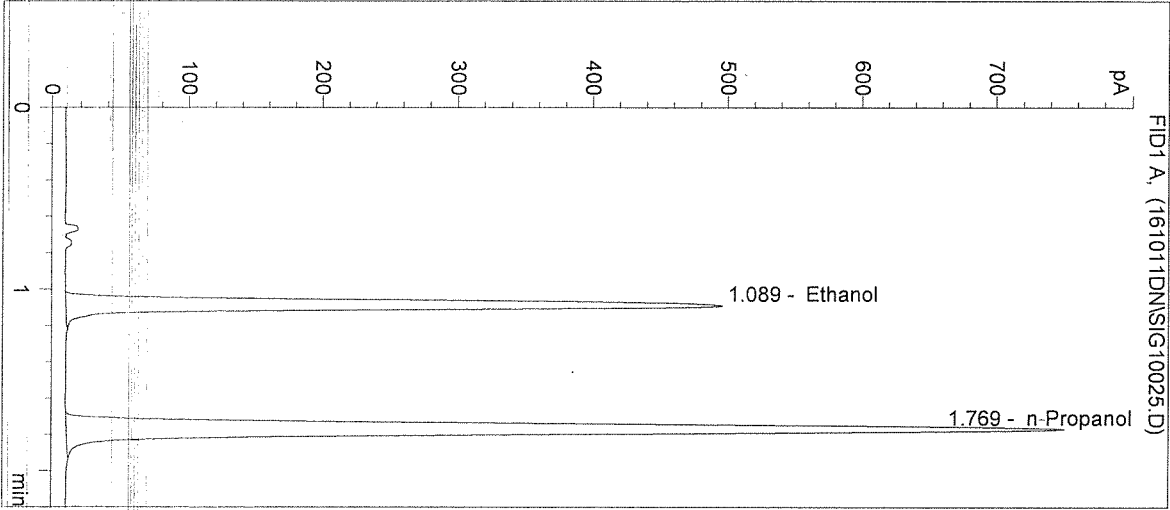
Operator: David Nguyen

Column: DB-ALC1

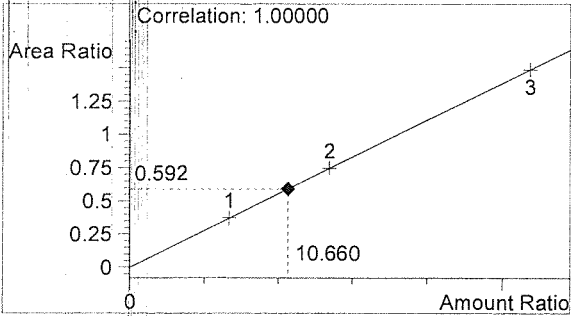
Location: Vial 25

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

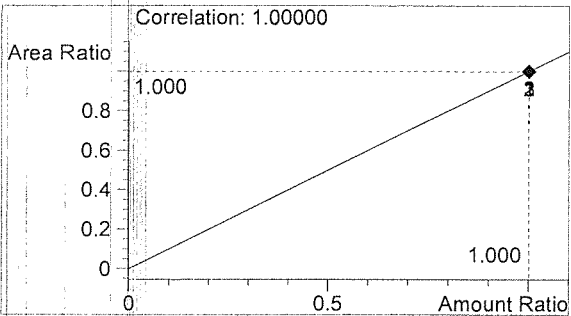
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1671	1.089
2	n-Propanol	2821	1.769



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

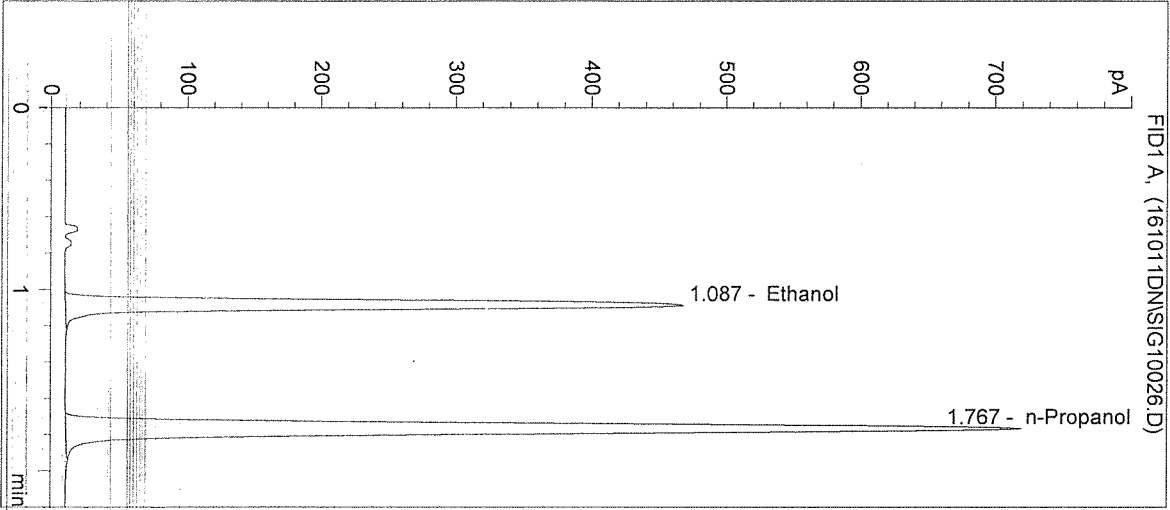
DN

DN

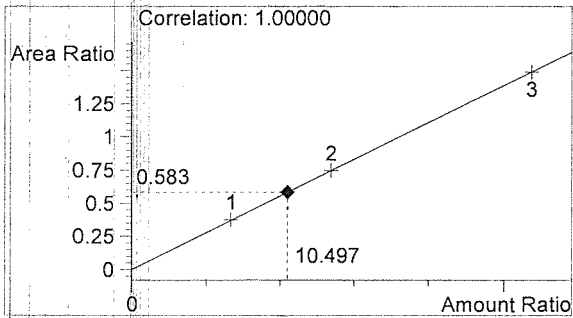
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/11/2016 11:57:39 AM Sample Name: 16038 #3
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 26
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

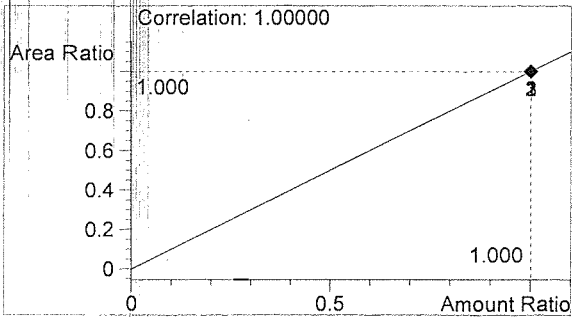
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1564	1.087
2	n-Propanol	2681	1.767



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

fn

DN

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

Inj. Date: 10/11/2016 12:00:53 PM

Sample Name: 16038 #4

Instrument: HSGC#1

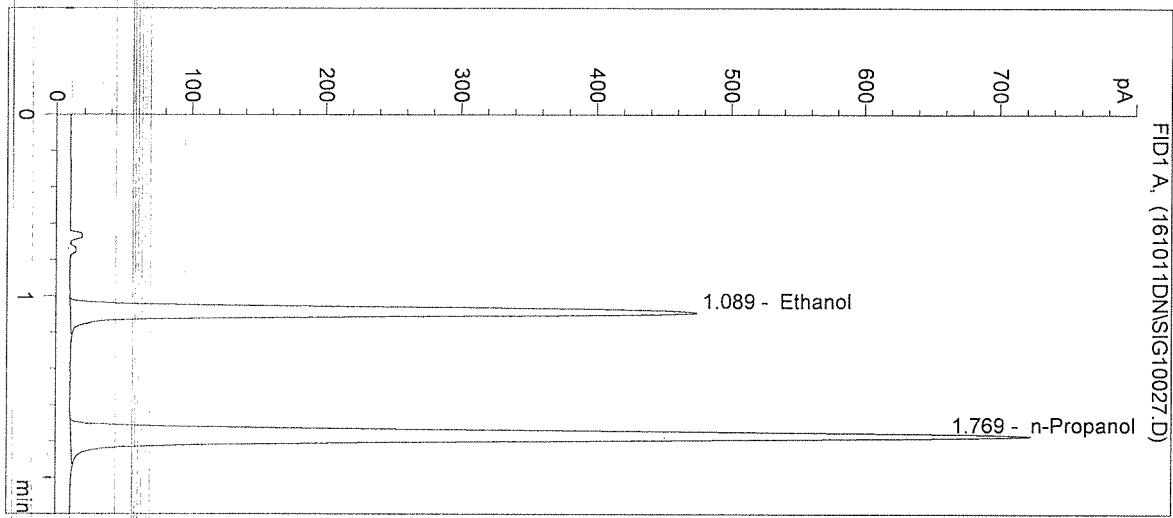
Operator: David Nguyen

Column: DB-ALC1

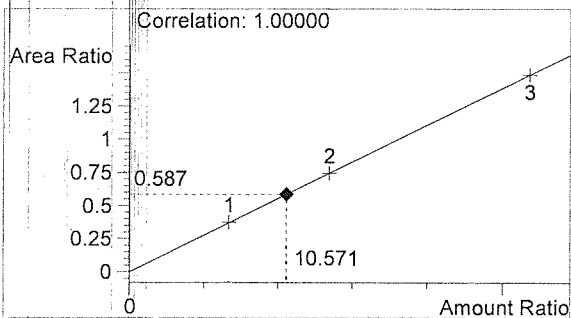
Location: Vial 27

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

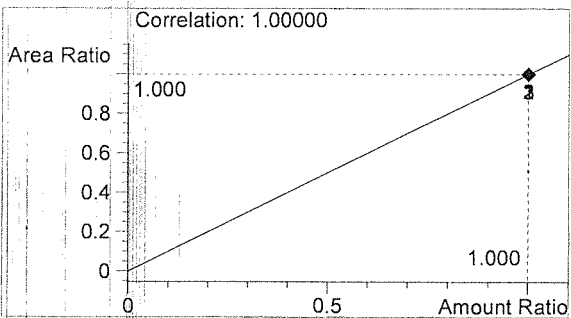
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1594	1.089
2	n-Propanol	2714	1.769



Ethanol 0.127 g/100mL



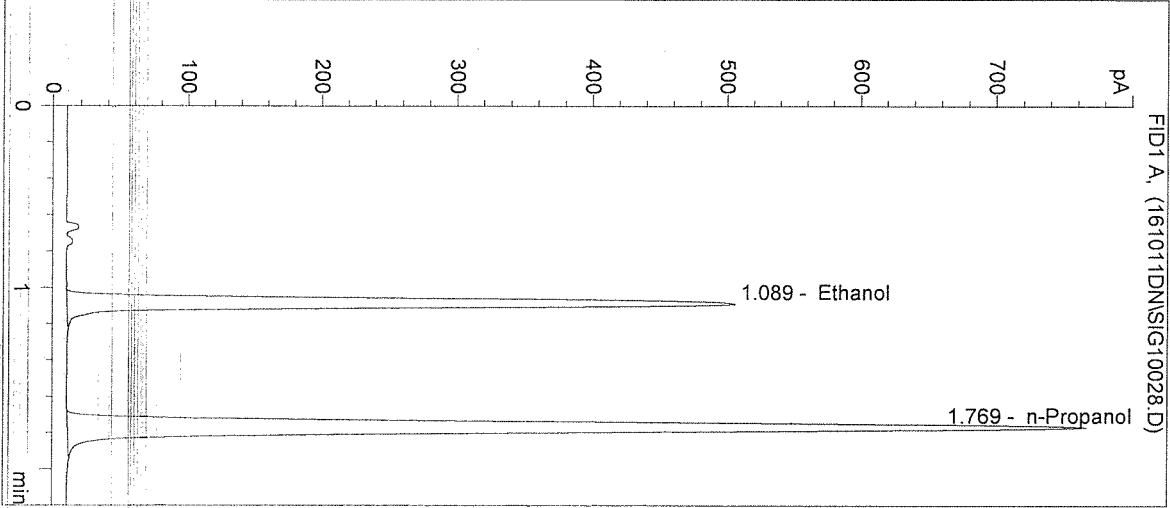
n-Propanol 0.012 g/100mL

Handwritten signature

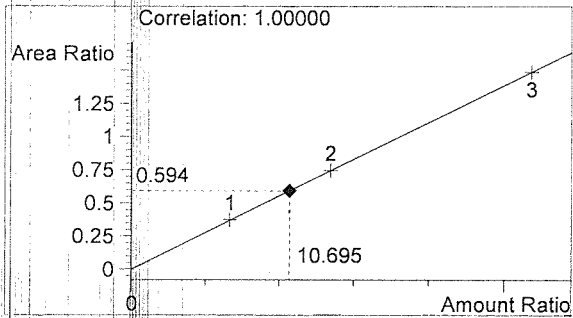
DN

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

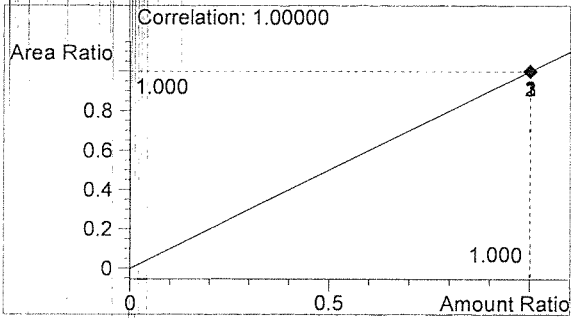
Inj. Date: 10/11/2016 12:04:06 PM Sample Name: 16038 #5
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 28
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1710	1.089
2	n-Propanol	2878	1.769



Ethanol 0.128 g/100mL



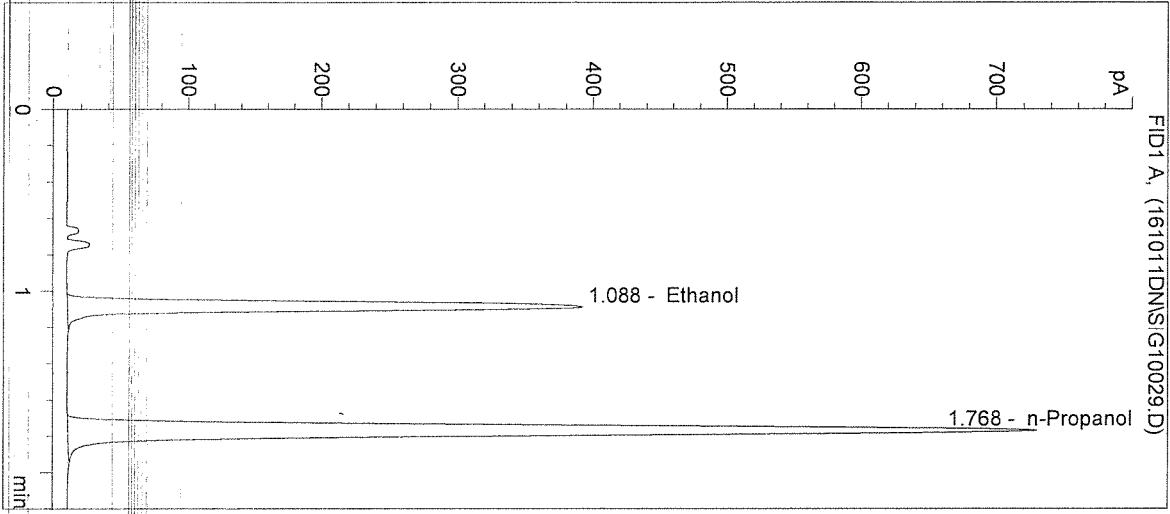
n-Propanol 0.012 g/100mL

Handwritten signature

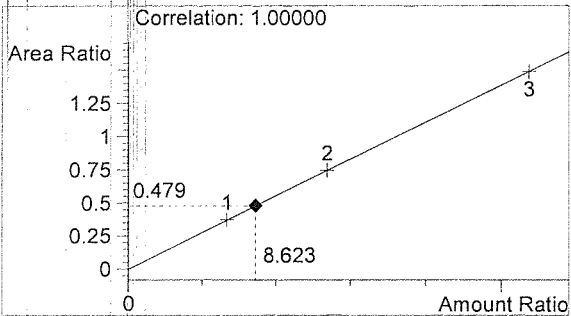
DN

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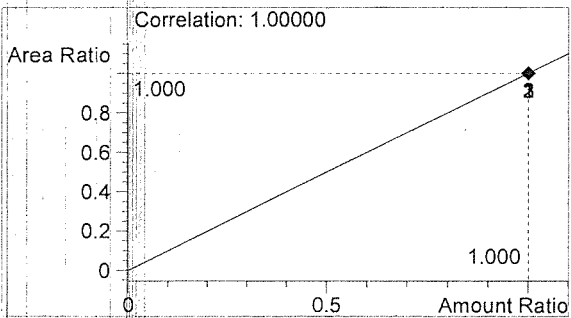
Inj. Date: 10/11/2016 12:07:19 PM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 29
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 16038



#	Compound	Peak Area	RT (min)
1	Ethanol	1309	1.088
2	n-Propanol	2732	1.768



Ethanol 0.103 g/100mL



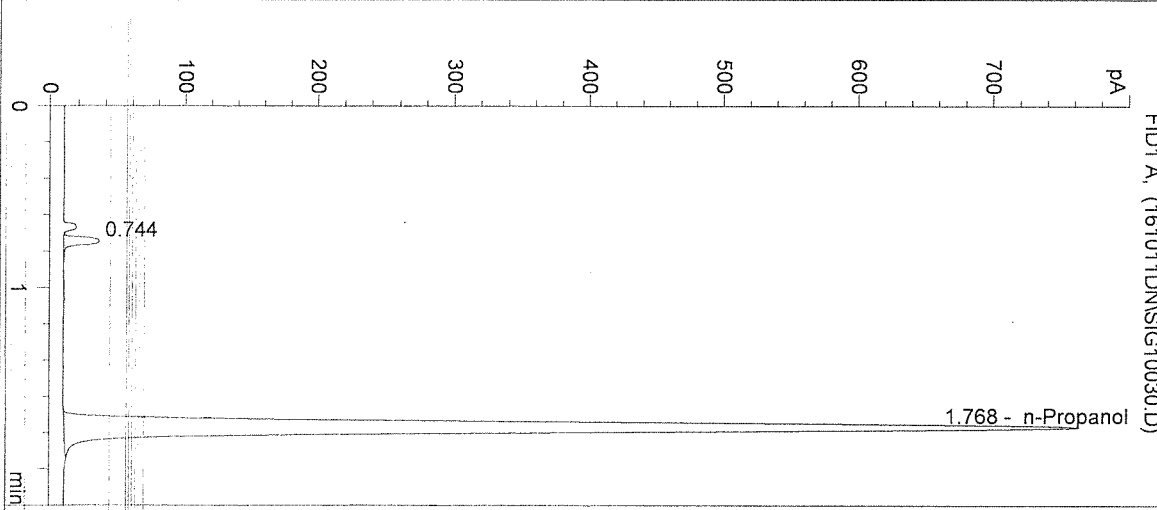
n-Propanol 0.012 g/100mL

fr

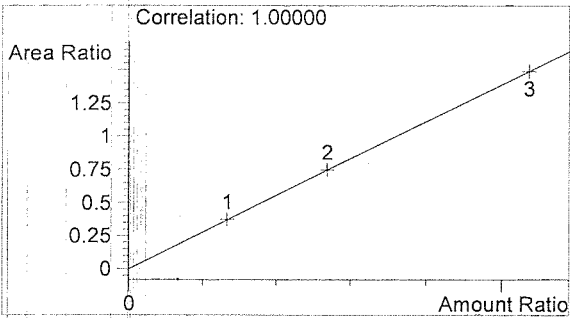
DN

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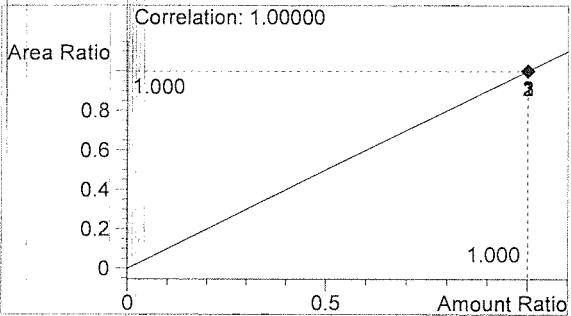
Inj. Date: 10/11/2016 12:10:32 PM Sample Name: NEG CTRL
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 30
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16038



#	Compound	Peak Area	RT (min)
1		69	0.744
2	Ethanol	0	0.000
3	n-Propanol	2861	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten initials

Handwritten initials