



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15058

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: 12/07/2015
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Amanda Chandler

	AC	EW	AG
1	0.099	0.103	0.101
2	0.101	0.101	0.101
3	0.099	0.103	0.101
4	0.101	0.102	0.101
5	0.100	0.102	0.101
C	0.100	0.104	0.101

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1011 g/100mL PRECISION CV (%): 1.15
STANDARD DEVIATION: 0.00116 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0822 g/210L**
EXPANDED UNCERTAINTY: ± 0.0026 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble

Lisa Noble Forensic Scientist Supervisor

2/17/16
DATE REPORT ISSUED

ANALYST	NAME	THIS TESTING WAS PERFORMED BY:		DATE TESTED
		SIGNATURE		
AC	Amanda Chandler	<i>Amanda Chandler</i>		12/07/2015
EW	Elizabeth Wehner	<i>Elizabeth Wehner</i>		12/08/2015
AG	Andrew Gingras	<i>Andrew Gingras</i>		12/16/2015

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

QAP Solution Batch #: 15058

Date Prepared: 12/7/2015

Analyst:	AC	EW	AG
Date Tested:	12/7/2015	12/8/2015	12/16/2015
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.099	0.103	0.101
2	0.101	0.101	0.101
3	0.099	0.103	0.101
4	0.101	0.102	0.101
5	0.100	0.102	0.101
C	0.100	0.104	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000088266	0.0001397474	0.0001016326

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

Average Solution Concentration: 0.1011 g/100mL
 Standard Deviation: 0.00116 g/100mL
 Precision CV (%): 1.15
 Equivalent Vapor Concentration: 0.0822 g/210L
 Combined Standard Uncertainty (\pm): 0.0013 g/210L
 Expanded Uncertainty (\pm): 0.0026 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 2/8/16
 Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 2-16-16 Method: Hand calculation
 Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 2/5/16
 Name Signature Date


SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 2-16-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 15058

	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: 2-16-16



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
Amanda Chandler	AZ	2/8/14
Andrew Gingras	AG	2/8/14
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	EW	02/09/14
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 15058 2/28/14



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 15058**

I, Amanda Chandler, 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: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 15058, was prepared in the Washington State Toxicology Laboratory on 12/7/2015. 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 12/7/2016.

Seattle, WA

Amanda Chandler 2/2/16

Amanda Chandler
Forensic Scientist

Date



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15058**

I, Elizabeth Wehner, 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 Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 15058, was prepared in the Washington State Toxicology Laboratory on 12/7/2015. 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 12/7/2016.

Seattle, WA

Elizabeth Wehner 02/09/16

Elizabeth Wehner

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 15058**

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 15058, was prepared in the Washington State Toxicology Laboratory on 12/7/2015. 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 12/7/2016.

Seattle, WA

 2/2/2016

Andrew Gingras

Date

Forensic Scientist

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

Preparation Date: 12/7/15 Expiration Date: 12/7/16 Initials of Preparer: AC

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

Date the 200-proof Ethanol bottle was opened: 11/13/15

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: [checked]

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	[checked]	15057
QAP 0.08	22.4	18	[checked]	15058
QAP 0.10	28.1	18	[checked]	15059
QAP 0.15	42.1	18	[checked]	15060
QAP 0.20	56.1	18	[]	
ESS	66.5	52	[]	

Stir bar is rotating [checked]

Stirred for minimum 30 minutes; 2 hours for ESS [checked]

Spigot purged [checked]

Aliquot taken [checked]

Batch labeled, packaged and sealed [checked]

12/7/15 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:

Analyst Signature

12/7/15 Date

Handwritten initials

Sequence Parameters:

Operator: Amanda Chandler
 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: 151207A2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E1015-01 - Exp. 4/29/2016
 Ethanol Calibrator 2, E1015-02 - Exp. 4/29/2016
 Ethanol Calibrator 3, E1015-03 - Exp. 4/29/2016
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
 Internal Standard Lot#P1115 - Exp. 2/20/2016

Calibration vials 1-9 filed with 15058.

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	15058-1	SIMALC1	1	Sample		
11	Vial 11	15058-2	SIMALC1	1	Sample		
12	Vial 12	15058-3	SIMALC1	1	Sample		
13	Vial 13	15058-4	SIMALC1	1	Sample		
14	Vial 14	15058-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

15058
Incl 1/16

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		

R

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

Sequence Table (Back Injector):

No entries - empty table!

15058

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AR

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Calibration Table
=====

Calib. Data Modified : Monday, December 07, 2015 1:10:15 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000

Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD ISTD Amount Name
[g/100mL]
-----|-----|-----
1 1.20000e-2 n-Propanol

Signal 1: FID1 A,

RetTime	Lvl	Amount	Area	Amt/Area	Ref	Grp	Name
[min]	Sig	[g/100mL]					
1.093	1	7.96600e-2	982.51740	8.10774e-5	1		Ethanol
		1.61370e-1	1909.90576	8.44911e-5			
		3.22930e-1	3857.58740	8.37129e-5			
1.757	1	1.20000e-2	2600.87842	4.61383e-6	I1		n-Propanol
		1.20000e-2	2523.27979	4.75572e-6			
		1.20000e-2	2552.83423	4.70066e-6			

15058

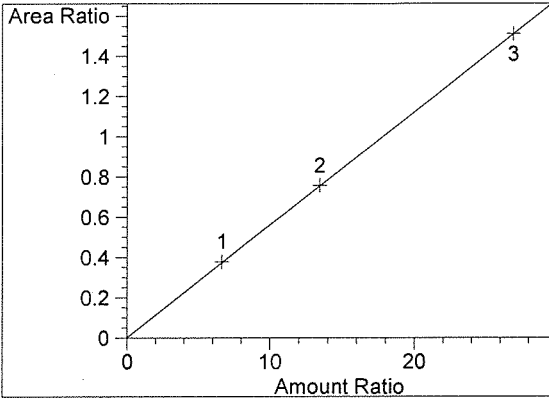
12/15/16

=====
Peak Sum Table
=====

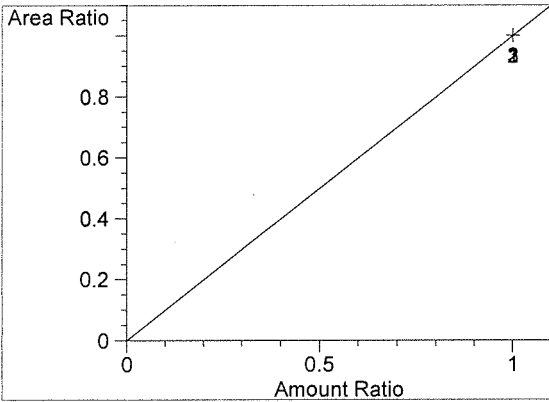
No Entries in table
=====

AR

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Calibration Curves
=====



Ethanol at exp. RT: 1.093
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00278
Formula: $y = mx + b$
m: 5.60954e-2
b: 2.37058e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.757
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

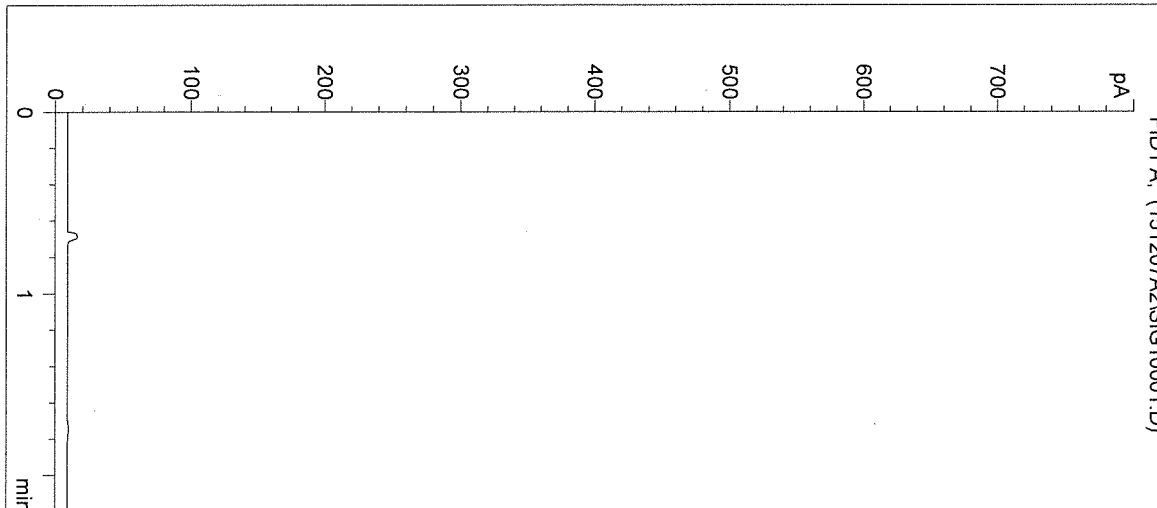
15058

Juz15/16

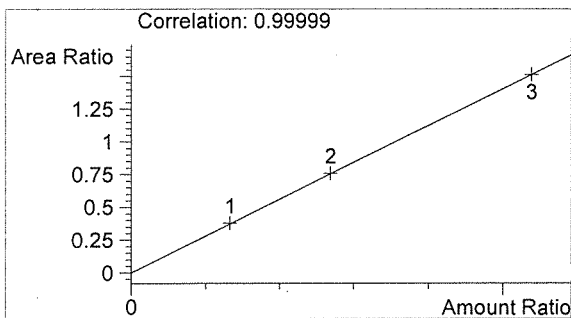
AR

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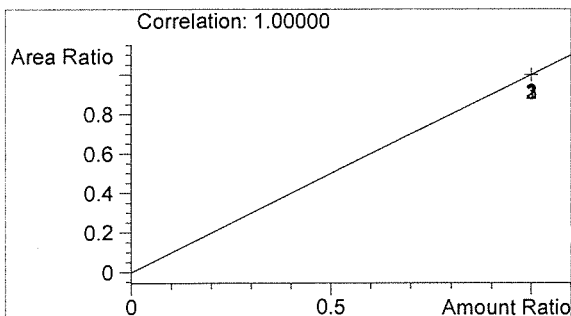
Inj. Date: 12/7/2015 12:58:09 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15058



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

Inj. Date: 12/7/2015 1:01:27 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

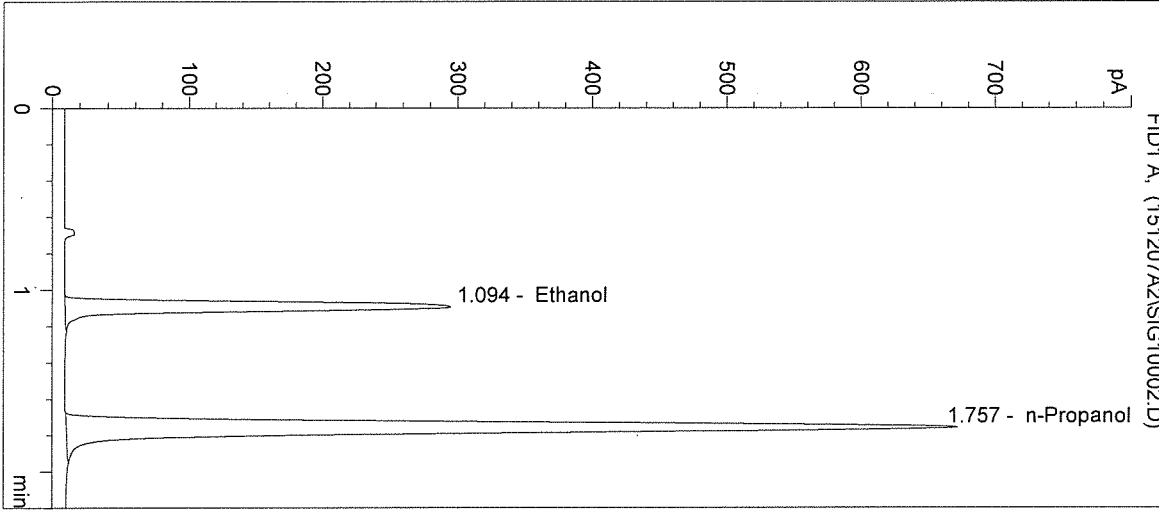
Operator: Amanda Chandler

Column: DB-ALC1

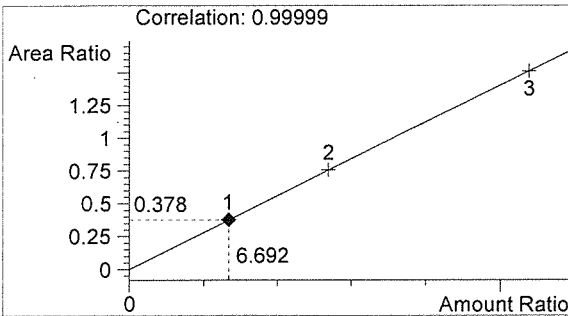
Location: Vial 2

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

Sample Info: 15058

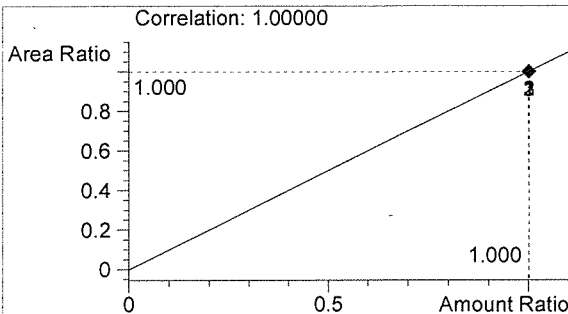


#	Compound	Peak Area	RT (min)
1	Ethanol	983	1.094
2	n-Propanol	2601	1.757



Ethanol 0.080 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

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Inj. Date: 12/7/2015 1:04:44 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

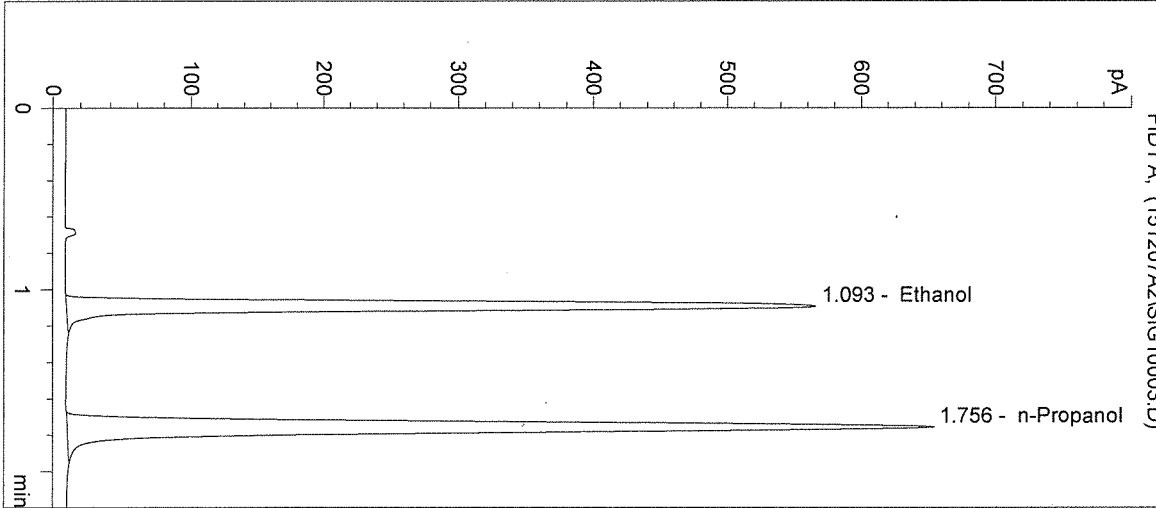
Operator: Amanda Chandler

Column: DB-ALC1

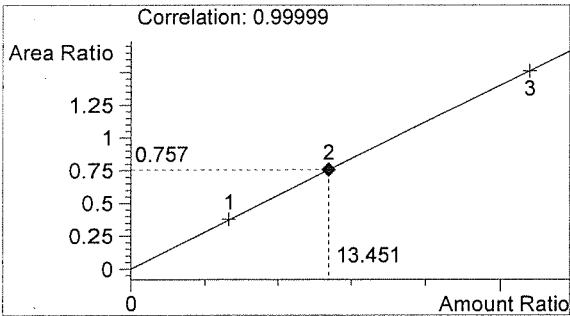
Location: Vial 3

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

Sample Info: 15058

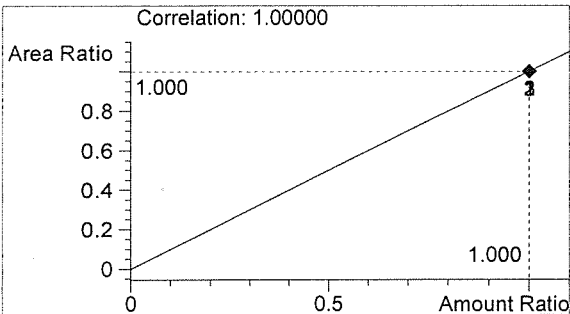


#	Compound	Peak Area	RT (min)
1	Ethanol	1910	1.093
2	n-Propanol	2523	1.756



Ethanol 0.161 g/100mL

L



n-Propanol 0.012 g/100mL

AR

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Inj. Date: 12/7/2015 1:08:02 PM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

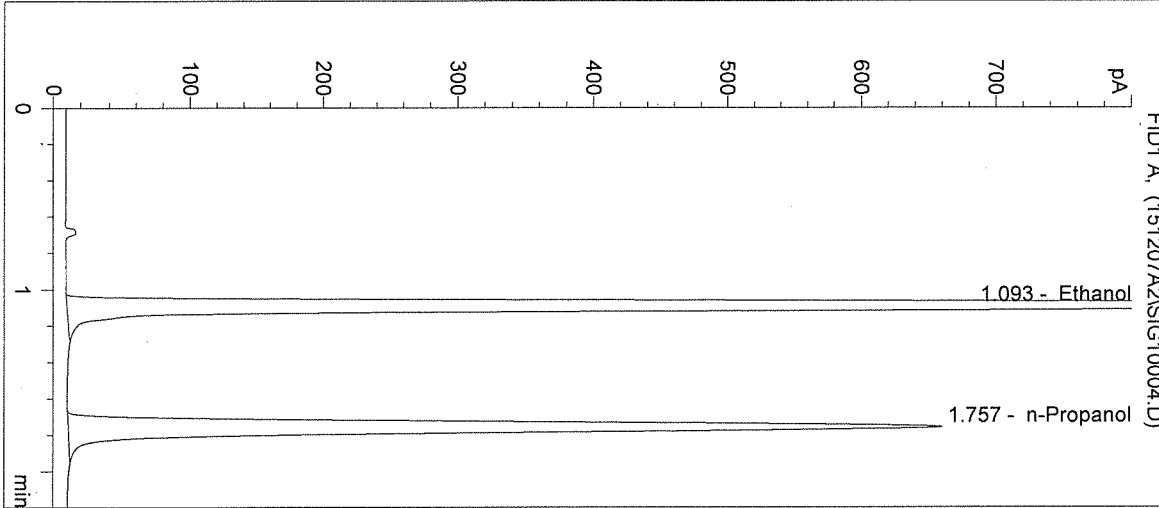
Operator: Amanda Chandler

Column: DB-ALC1

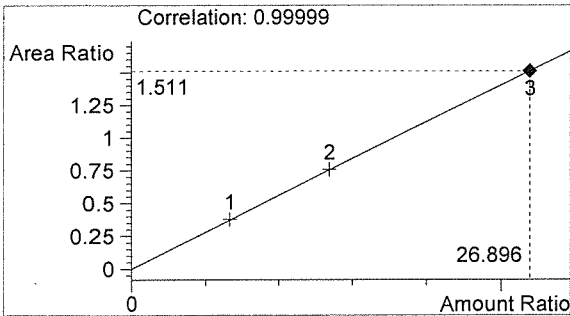
Location: Vial 4

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

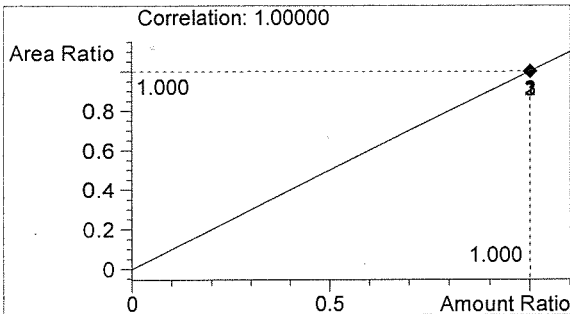
Sample Info: 15058



#	Compound	Peak Area	RT (min)
1	Ethanol	3858	1.093
2	n-Propanol	2553	1.757



Ethanol 0.323 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/7/2015 1:11:15 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

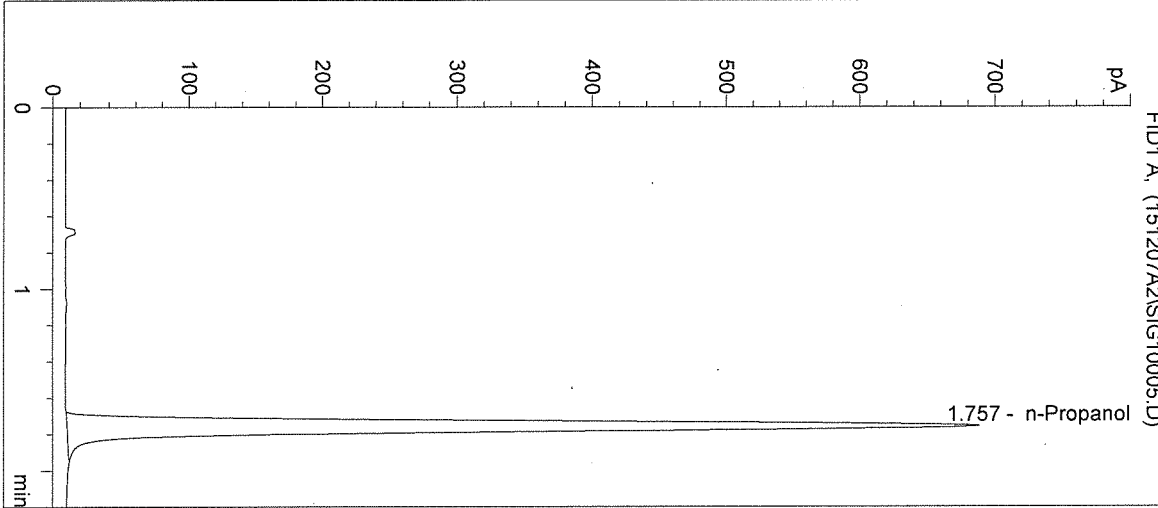
Operator: Amanda Chandler

Column: DB-ALC1

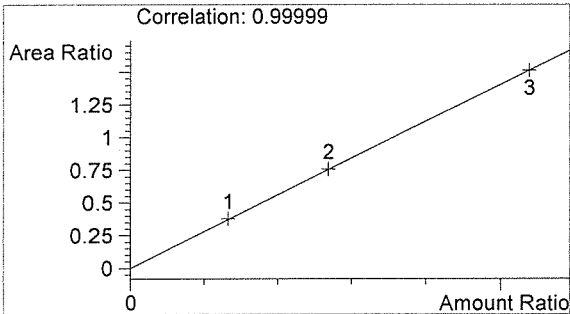
Location: Vial 5

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

Sample Info: 15058

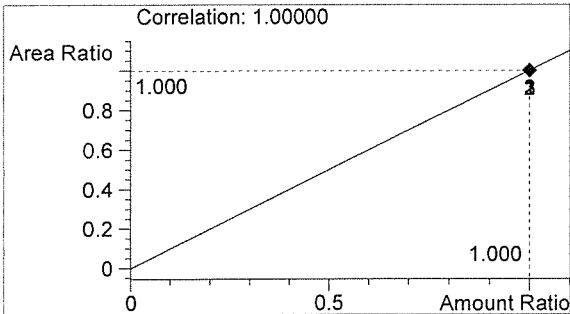


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2671	1.757



Ethanol 0.000 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: 12/7/2015 1:14:28 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

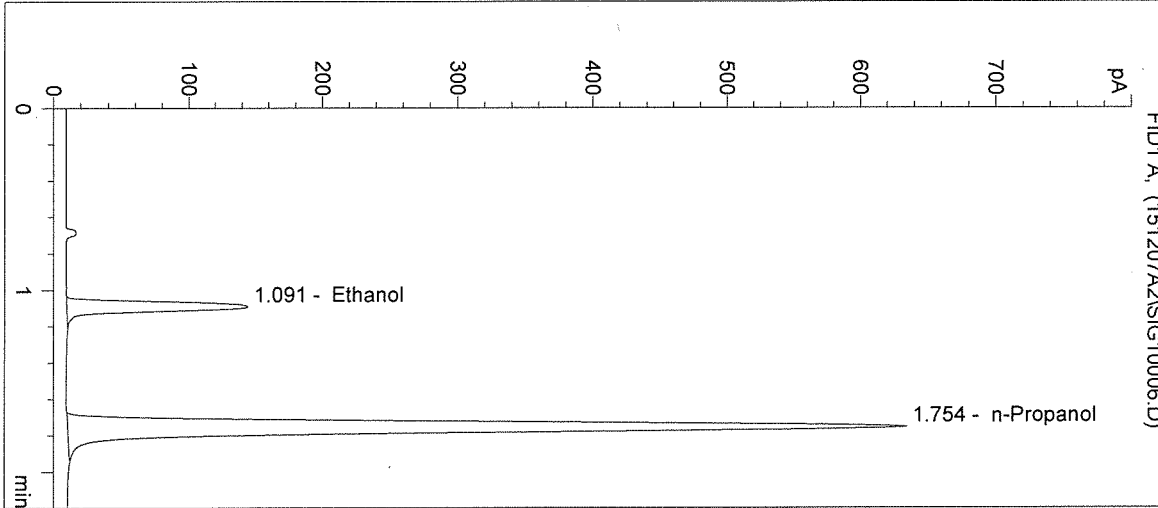
Operator: Amanda Chandler

Column: DB-ALC1

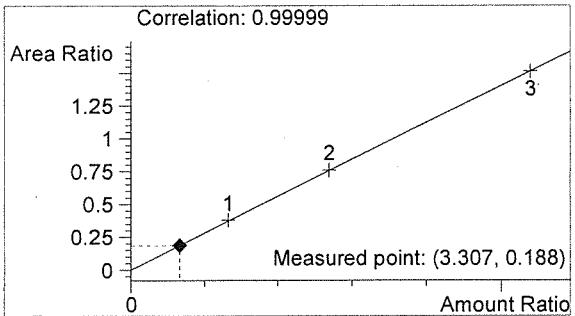
Location: Vial 6

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

Sample Info: 15058

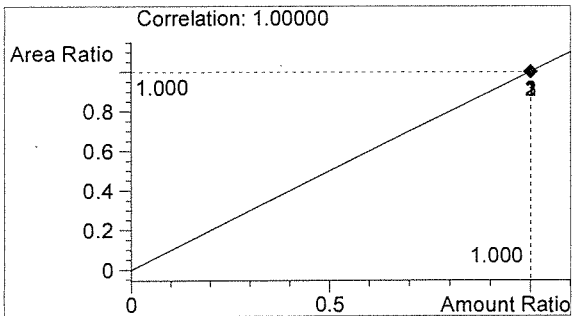


#	Compound	Peak Area	RT (min)
1	Ethanol	458	1.091
2	n-Propanol	2437	1.754



Ethanol 0.040 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten mark

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Inj. Date: 12/7/2015 1:17:42 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

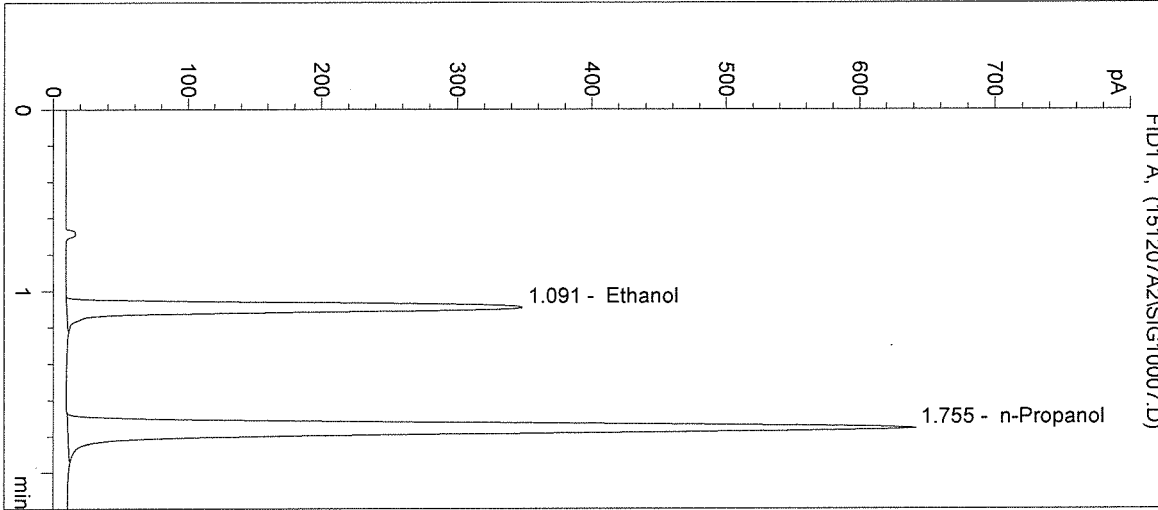
Operator: Amanda Chandler

Column: DB-ALC1

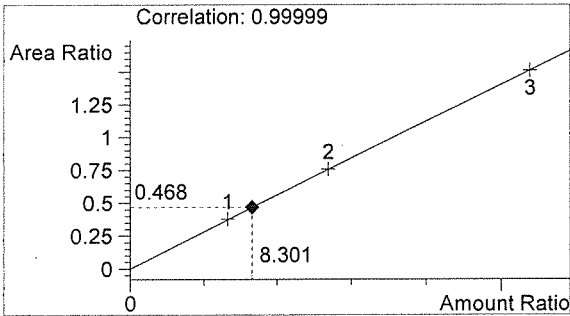
Location: Vial 7

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

Sample Info: 15058

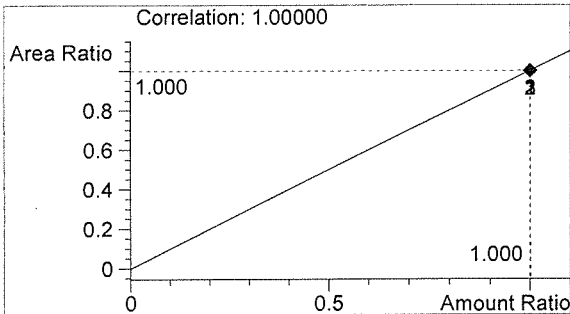


#	Compound	Peak Area	RT (min)
1	Ethanol	1157	1.091
2	n-Propanol	2471	1.755



Ethanol 0.100 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten signature

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/7/2015 1:20:55 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

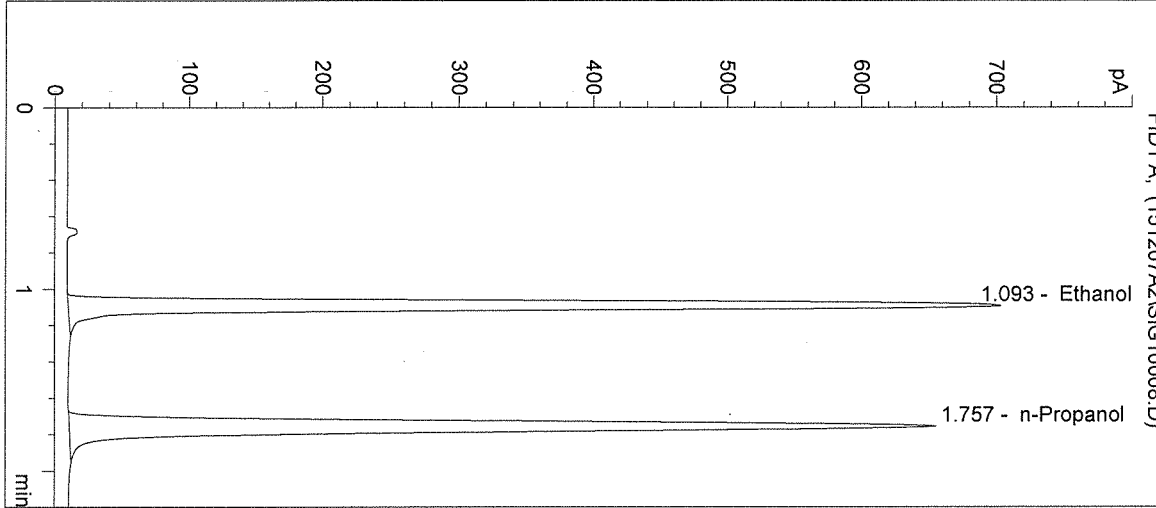
Operator: Amanda Chandler

Column: DB-ALC1

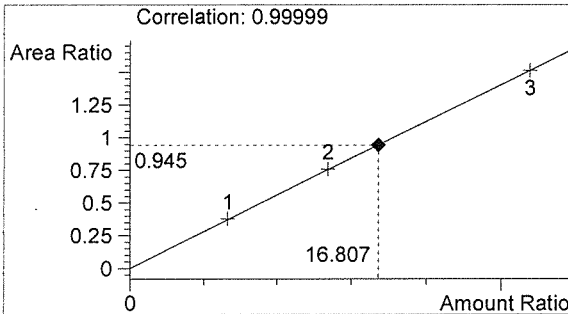
Location: Vial 8

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

Sample Info: 15058

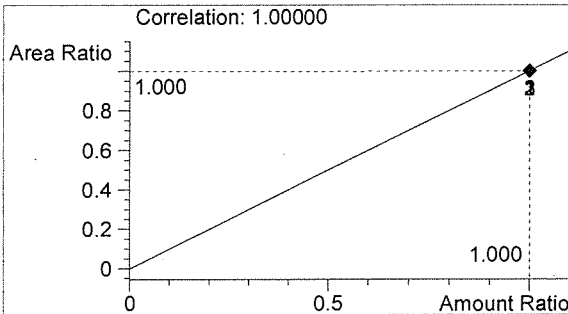


#	Compound	Peak Area	RT (min)
1	Ethanol	2399	1.093
2	n-Propanol	2538	1.757



Ethanol 0.202 g/100mL

fu

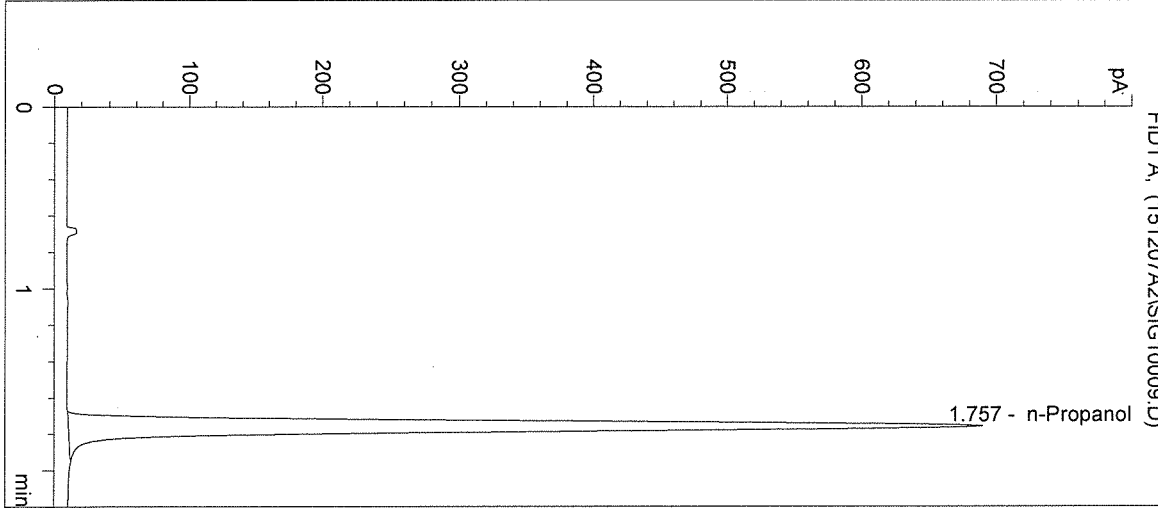


n-Propanol 0.012 g/100mL

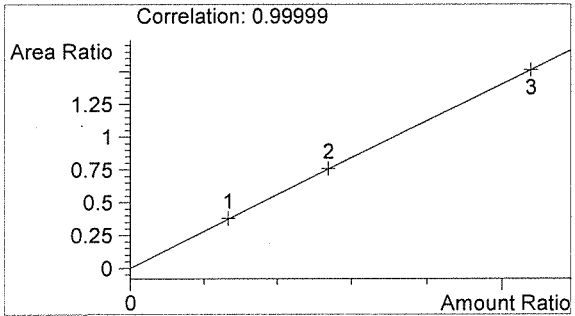
AR

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

Inj. Date: 12/7/2015 1:24:08 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15058

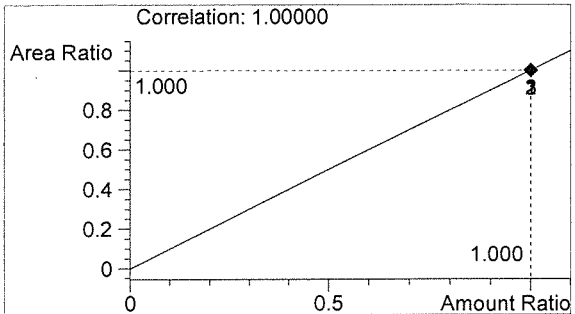


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2675	1.757



Ethanol 0.000 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten initials

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

Inj. Date: 12/7/2015 1:27:21 PM

Sample Name: 15058-1

Instrument: HSGC#1

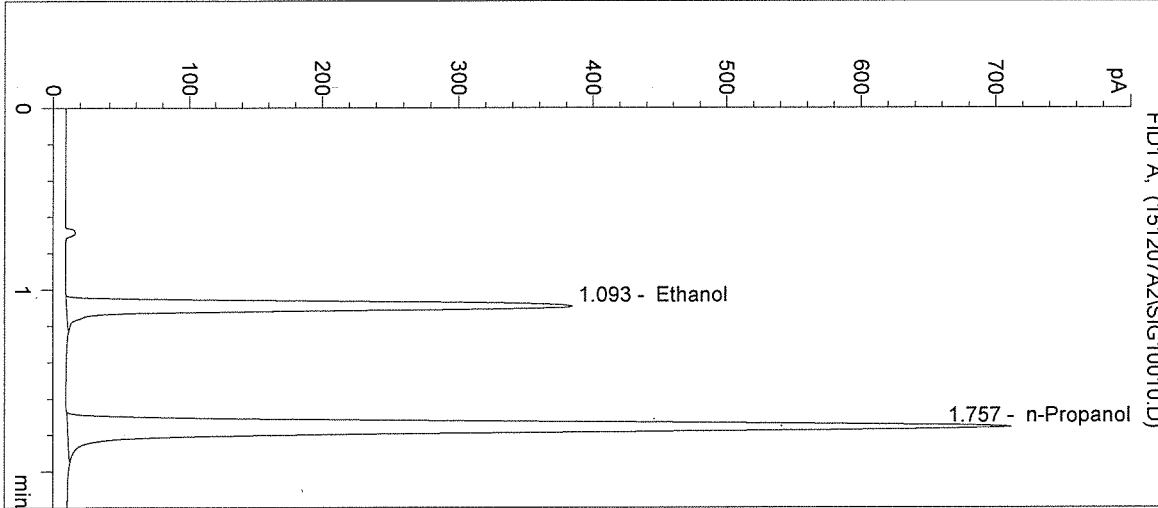
Operator: Amanda Chandler

Column: DB-ALC1

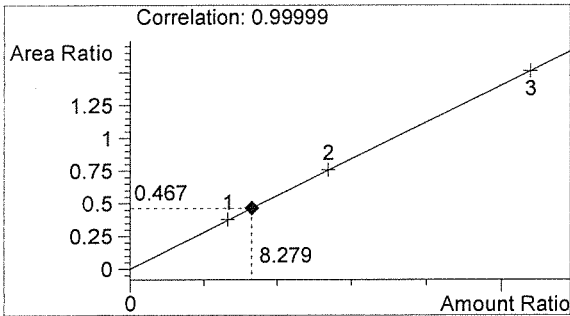
Location: Vial 10

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

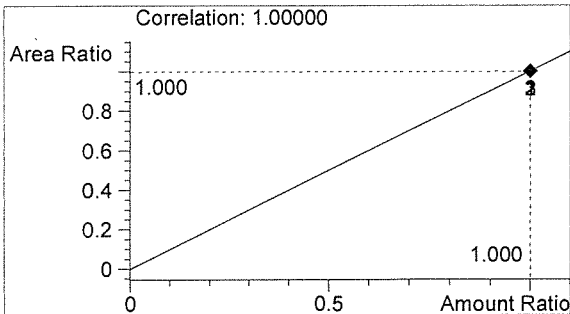
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1283	1.093
2	n-Propanol	2748	1.757



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

Handwritten initials

Handwritten 'R'

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

Inj. Date: 12/7/2015 1:30:35 PM

Sample Name: 15058-2

Instrument: HSGC#1

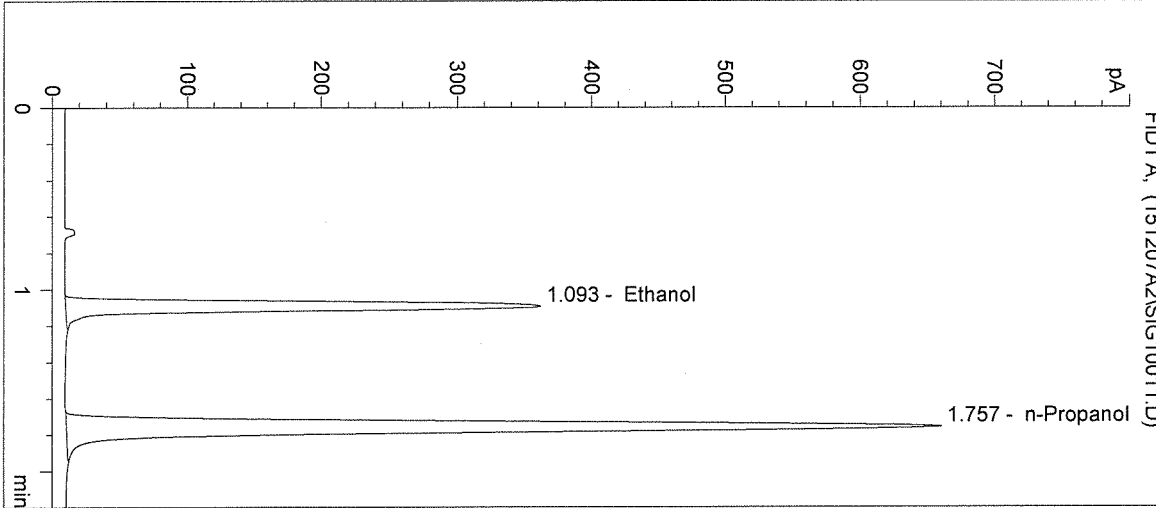
Operator: Amanda Chandler

Column: DB-ALC1

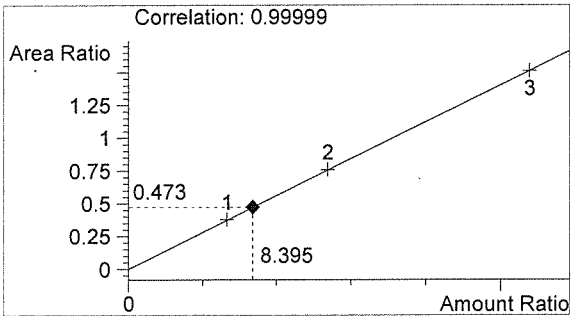
Location: Vial 11

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

Sample Info:

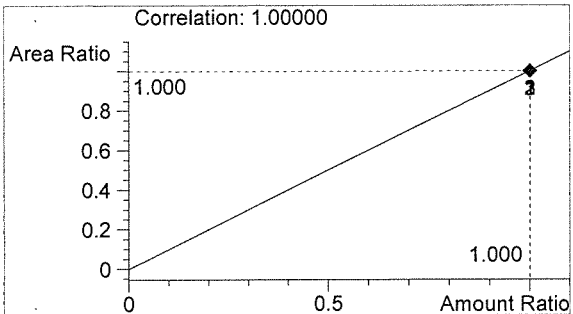


#	Compound	Peak Area	RT (min)
1	Ethanol	1210	1.093
2	n-Propanol	2556	1.757



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: 12/7/2015 1:33:48 PM

Sample Name: 15058-3

Instrument: HSGC#1

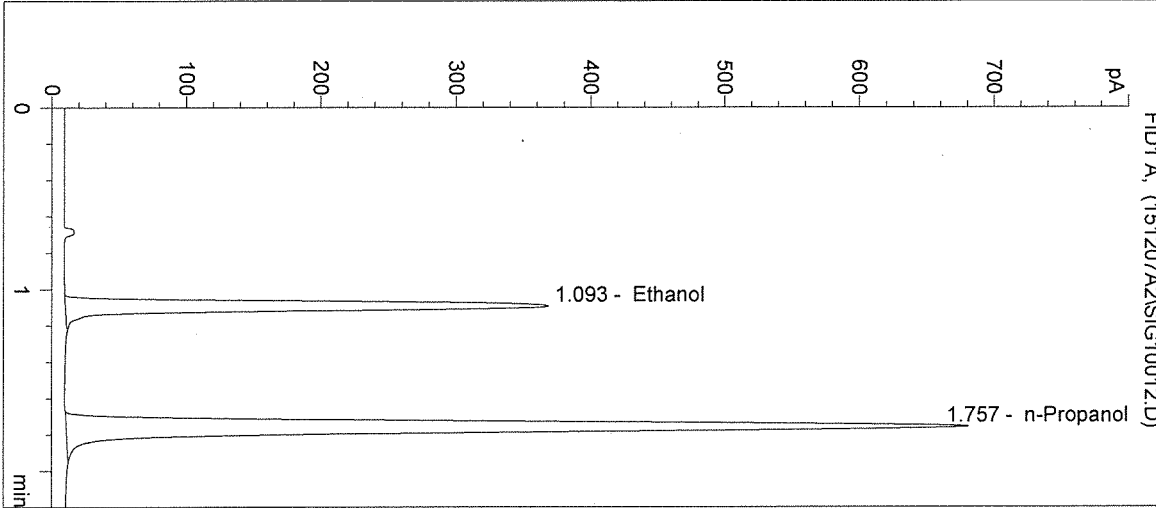
Operator: Amanda Chandler

Column: DB-ALC1

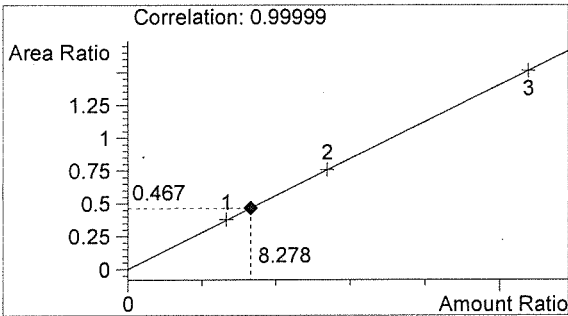
Location: Vial 12

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

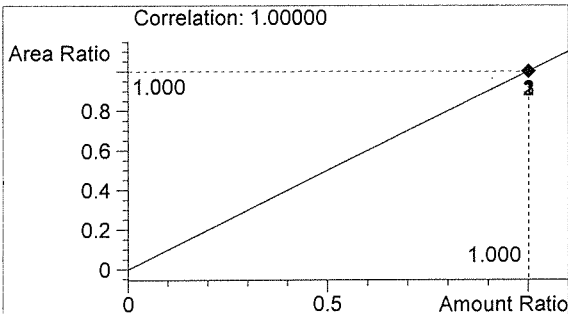
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1228	1.093
2	n-Propanol	2631	1.757



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 12/7/2015 1:37:01 PM

Sample Name: 15058-4

Instrument: HSGC#1

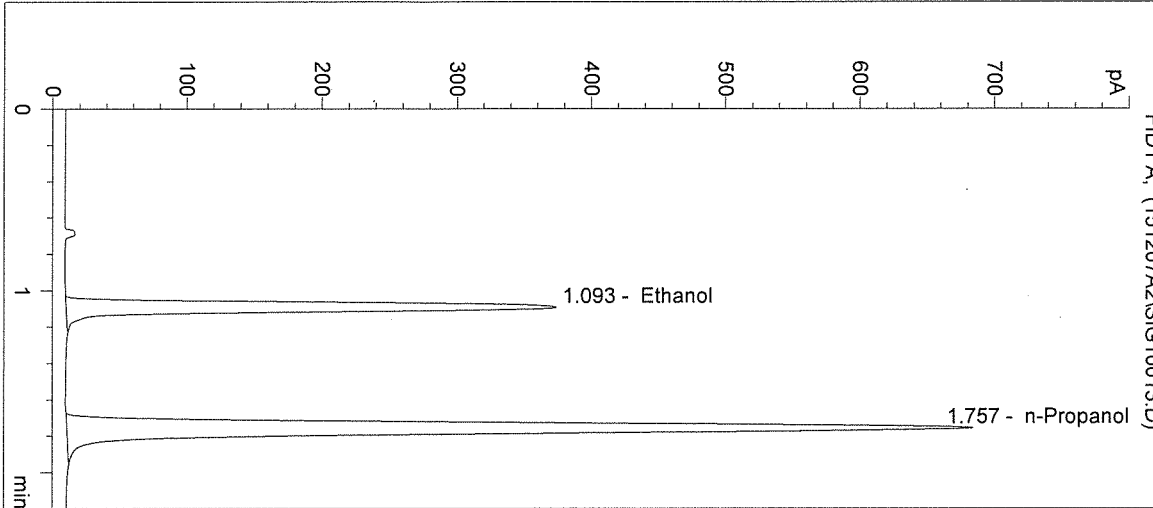
Operator: Amanda Chandler

Column: DB-ALC1

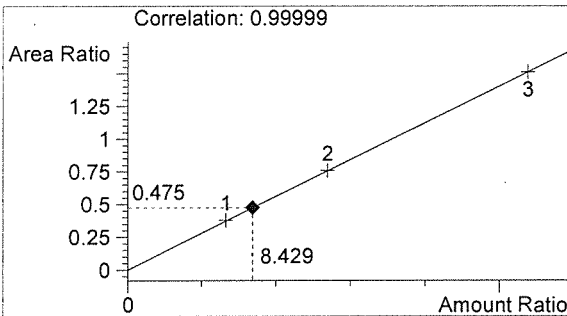
Location: Vial 13

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

Sample Info:

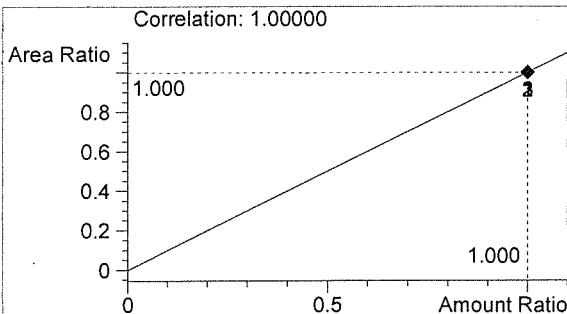


#	Compound	Peak Area	RT (min)
1	Ethanol	1257	1.093
2	n-Propanol	2644	1.757



Ethanol 0.101 g/100mL

fn



n-Propanol 0.012 g/100mL

R

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

Inj. Date: 12/7/2015 1:40:15 PM

Sample Name: 15058-5

Instrument: HSGC#1

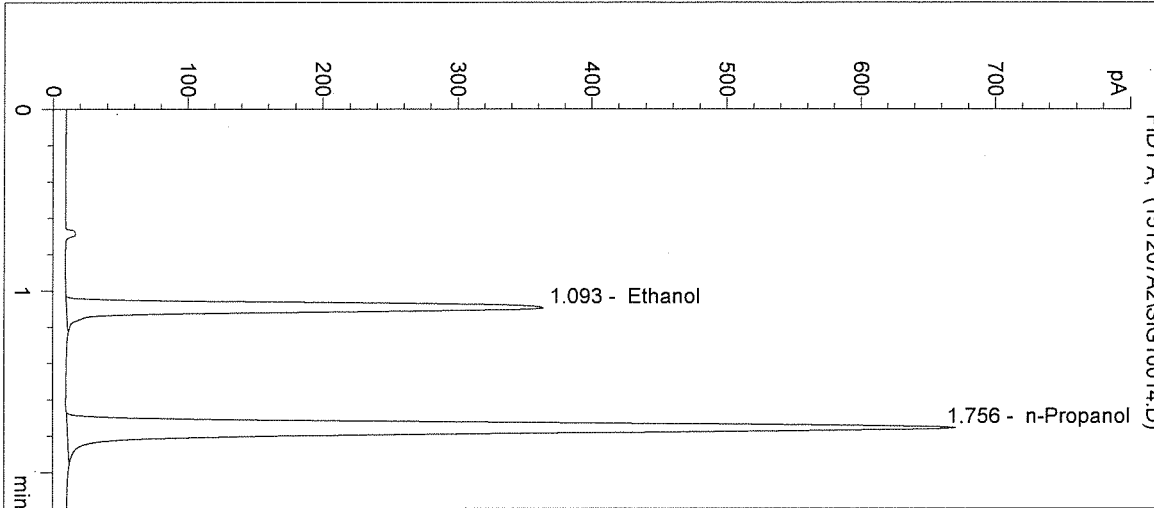
Operator: Amanda Chandler

Column: DB-ALC1

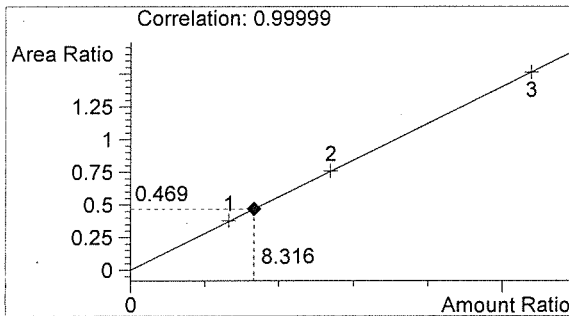
Location: Vial 14

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

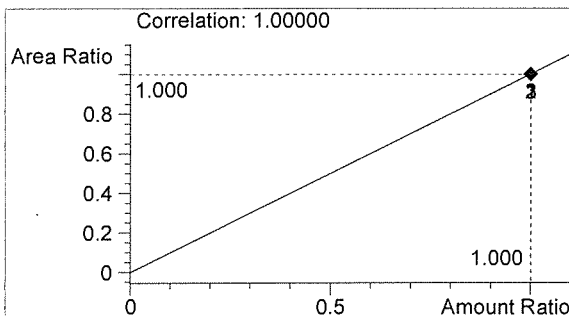
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1217	1.093
2	n-Propanol	2596	1.756



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/7/2015 1:43:28 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

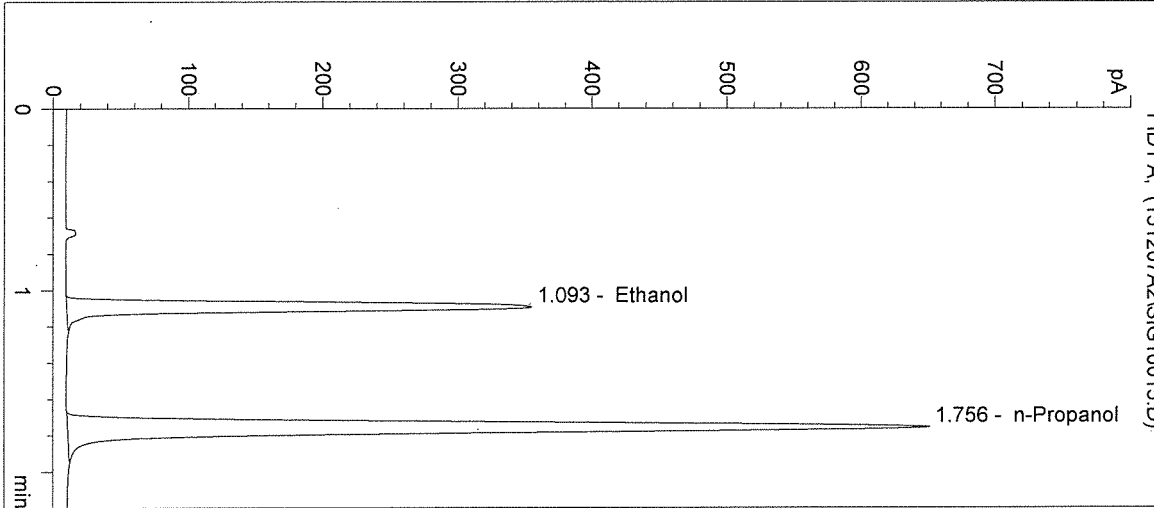
Operator: Amanda Chandler

Column: DB-ALC1

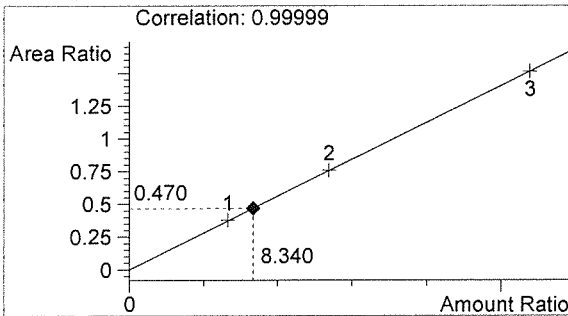
Location: Vial 15

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

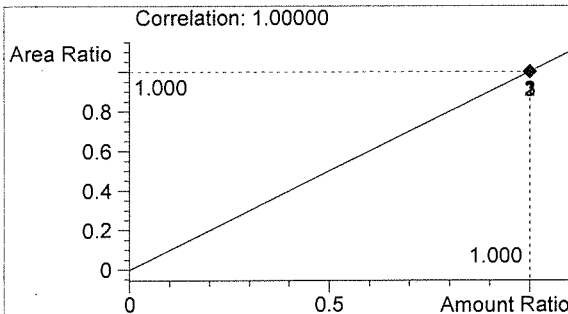
Sample Info: 15058



#	Compound	Peak Area	RT (min)
1	Ethanol	1186	1.093
2	n-Propanol	2521	1.756



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

sh

AR

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

Inj. Date: 12/7/2015 1:46:42 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

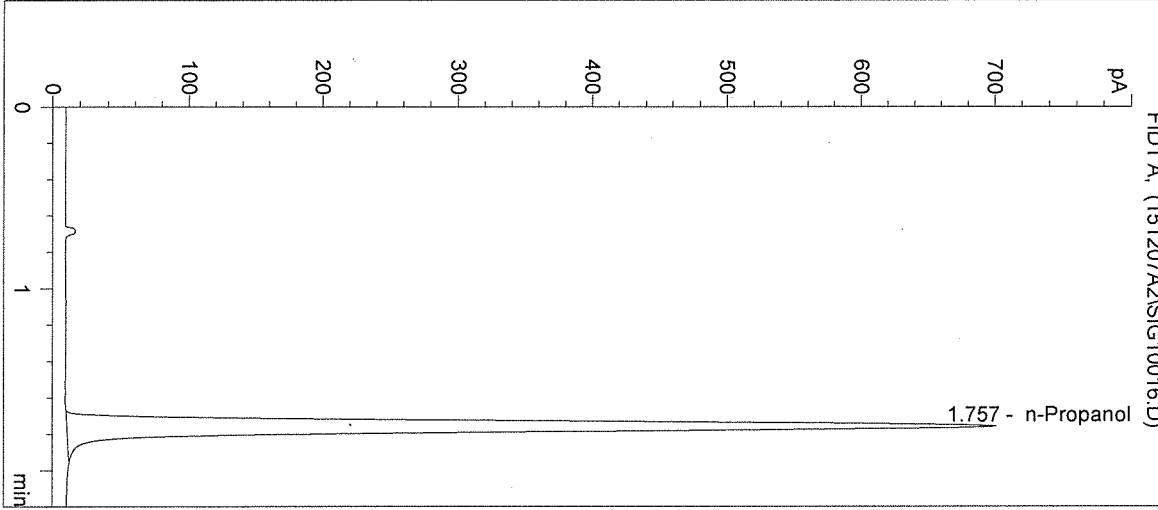
Operator: Amanda Chandler

Column: DB-ALC1

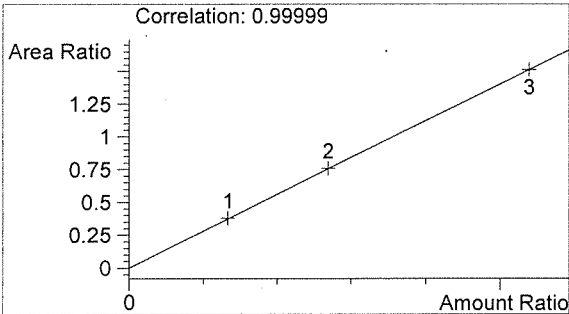
Location: Vial 16

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

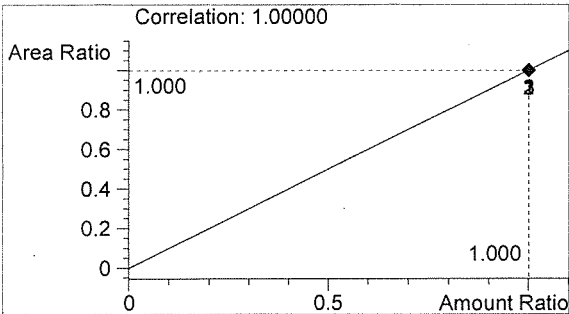
Sample Info: 15058



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2723	1.757



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

Sequence Parameters:

Operator: Elizabeth Wehner
 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: 151208EW
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E1015-01 - Exp. 4/29/2016
 Ethanol Calibrator 2, E1015-02 - Exp. 4/29/2016
 Ethanol Calibrator 3, E1015-03 - Exp. 4/29/2016
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
 Internal Standard Lot#P1115 - Exp. 2/20/2016

Calibration vials 1-9 filed with 15057.

8 Jan 15/16

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	15057-1	SIMALC1	1	Sample		
11	Vial 11	15057-2	SIMALC1	1	Sample		
12	Vial 12	15057-3	SIMALC1	1	Sample		
13	Vial 13	15057-4	SIMALC1	1	Sample		
14	Vial 14	15057-5	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	15058-1	SIMALC1	1	Sample		
18	Vial 18	15058-2	SIMALC1	1	Sample		
19	Vial 19	15058-3	SIMALC1	1	Sample		
20	Vial 20	15058-4	SIMALC1	1	Sample		
21	Vial 21	15058-5	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	15059-1	SIMALC1	1	Sample		
25	Vial 25	15059-2	SIMALC1	1	Sample		
26	Vial 26	15059-3	SIMALC1	1	Sample		

15058

Jan 15/16

EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	15059-4	SIMALC1	1	Sample		
28	Vial 28	15059-5	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	15060-1	SIMALC1	1	Sample		
32	Vial 32	15060-2	SIMALC1	1	Sample		
33	Vial 33	15060-3	SIMALC1	1	Sample		
34	Vial 34	15060-4	SIMALC1	1	Sample		
35	Vial 35	15060-5	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!

15058

Elizabeth

EW

=====
 Calibration Table
 =====

Calib. Data Modified : Tuesday, December 08, 2015 9:30:36 AM

Calculate : Internal Standard
 Based on : Peak Area

Rel. Reference Window : 5.000 %
 Abs. Reference Window : 0.050 min
 Rel. Non-ref. Window : 5.000 %
 Abs. Non-ref. Window : 0.050 min
 Multiplier : 1.0000
 Dilution : 1.0000
 Sample Amount : 0.00000

Use Multiplier & Dilution Factor with ISTDs
 Uncalibrated Peaks : not reported
 Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
 Origin : Included
 Weight : Equal

Recalibration Settings:
 Average Response : No Update
 Average Retention Time: No Update

Calibration Report Options :
 Printout of recalibrations within a sequence:
 Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.092	1 1	7.96600e-2	917.84497	8.67903e-5	1 Ethanol
		1.61370e-1	1873.28638	8.61427e-5	
		3.22930e-1	3633.94678	8.88648e-5	
1.755	1 1	1.20000e-2	2469.42847	4.85942e-6	I1 n-Propanol
		1.20000e-2	2491.85498	4.81569e-6	
		1.20000e-2	2448.36548	4.90123e-6	

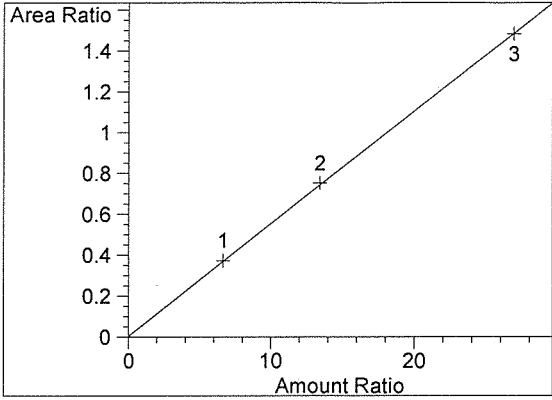
8 Dec 15/16
15057
Dec 15/16

=====
 Peak Sum Table
 =====

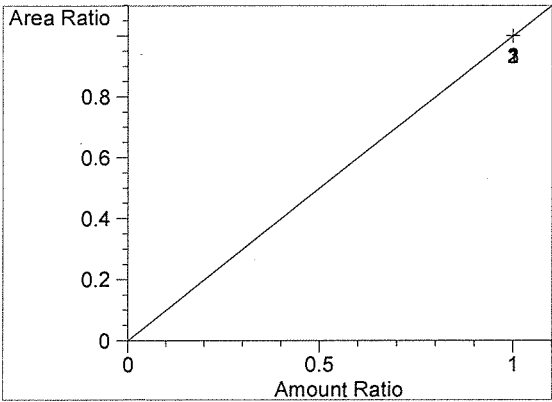
No Entries in table
 =====

EW

=====
Calibration Curves
=====



Ethanol at exp. RT: 1.092
FID1 A,
Correlation: 0.99997 ✓
Residual Std. Dev.: 0.00596
Formula: $y = mx + b$
m: 5.51254e-2
b: 4.24273e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.755
FID1 A,
Correlation: 1.00000 ✓
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

15057 8 2/25/16
2/25/16

EW

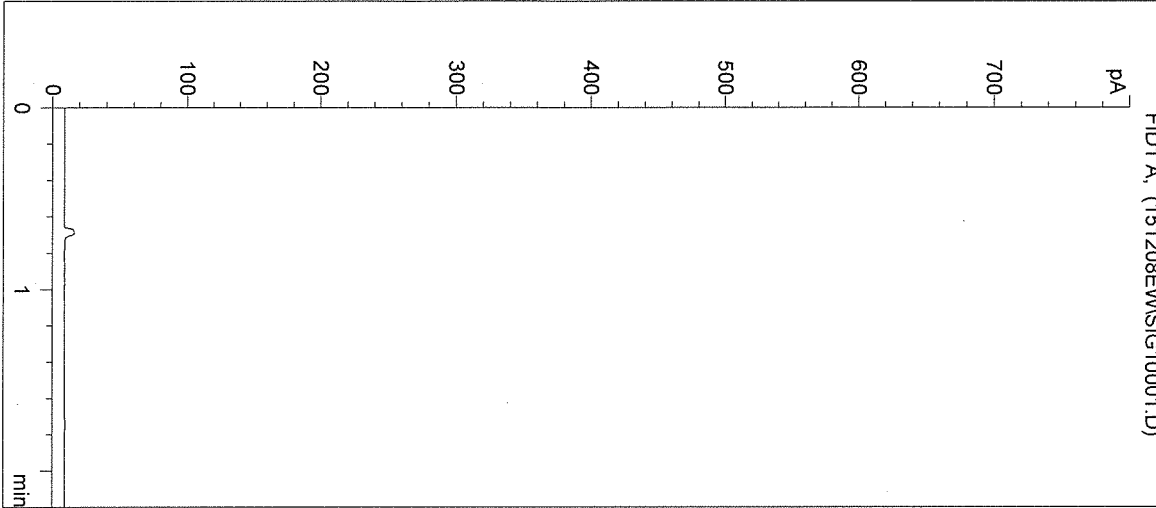
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/8/2015 9:18:32 AM
Instrument: HSGC#1

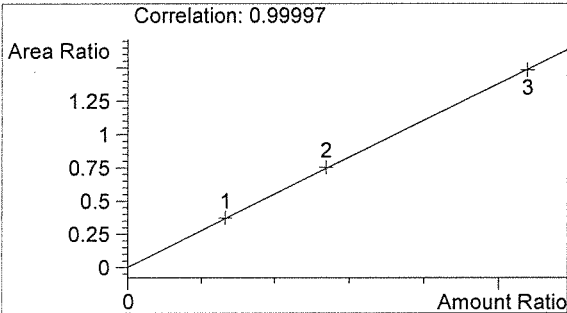
Sample Name: BLANK
Operator: Elizabeth Wehner
Location: Vial 1

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

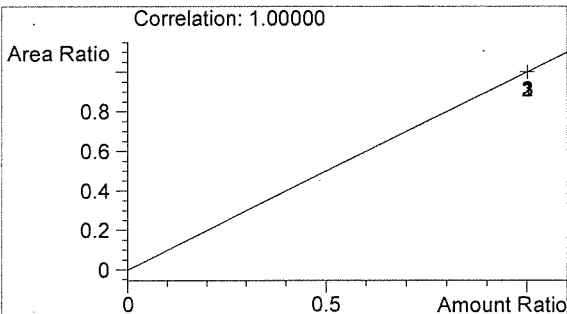
Sample Info: 15057
8/24/16



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 9:21:49 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

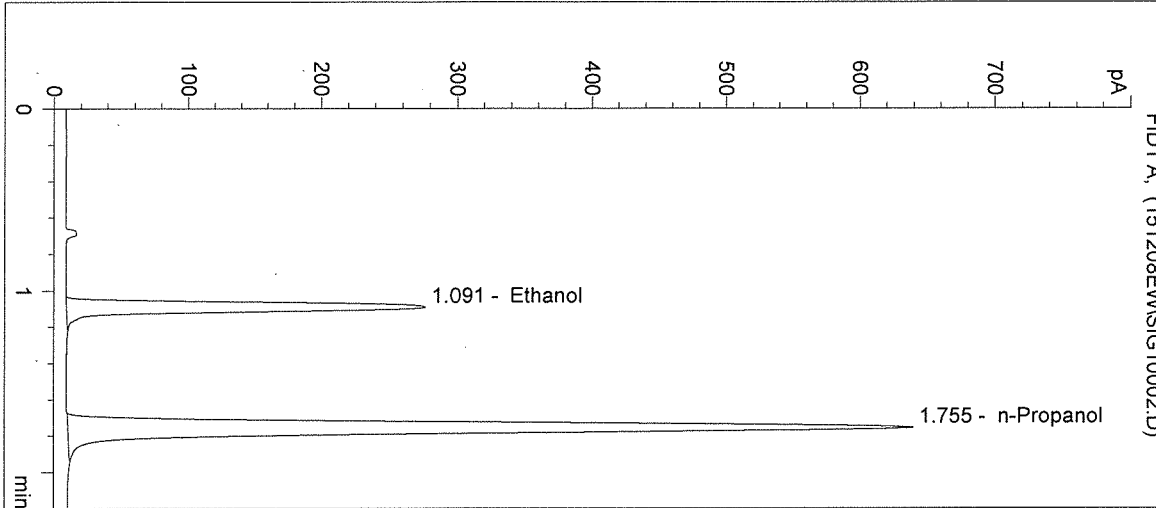
Operator: Elizabeth Wehner

Column: DB-ALC1

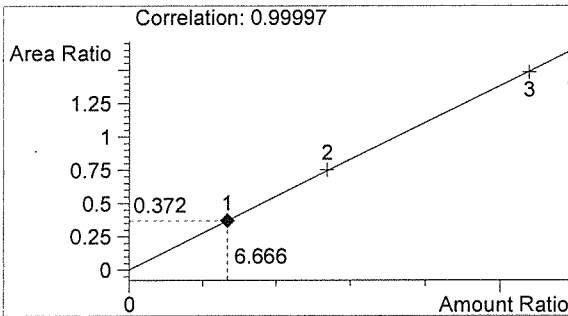
Location: Vial 2

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

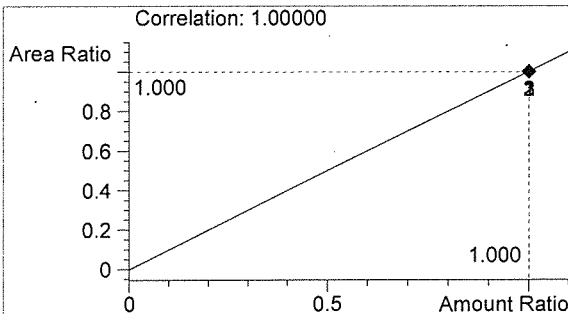
Sample Info: 15057
8 12/15/16



#	Compound	Peak Area	RT (min)
1	Ethanol	918	1.091
2	n-Propanol	2469	1.755



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 9:25:06 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

Operator: Elizabeth Wehner

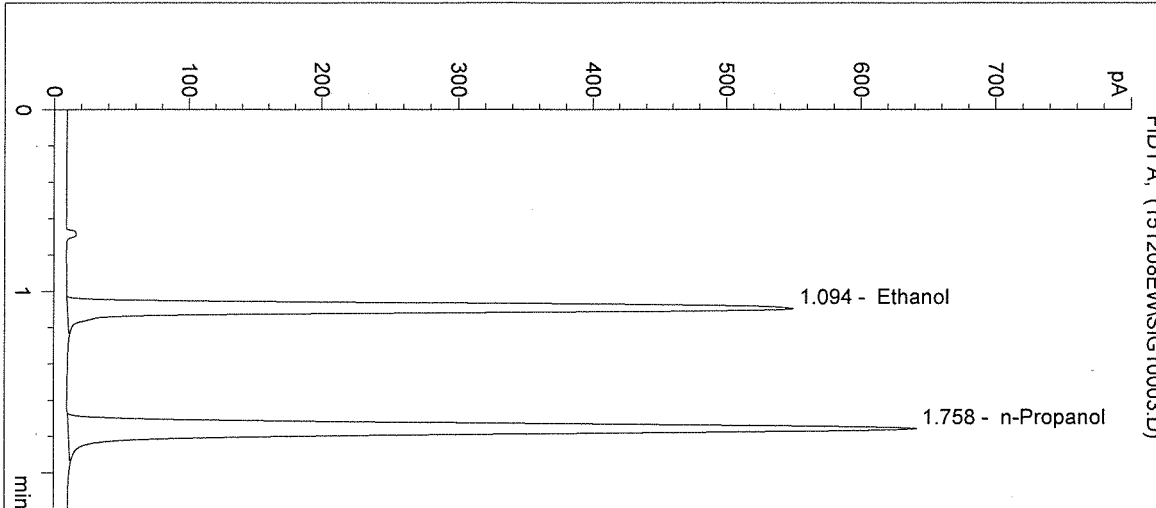
Column: DB-ALC1

Location: Vial 3

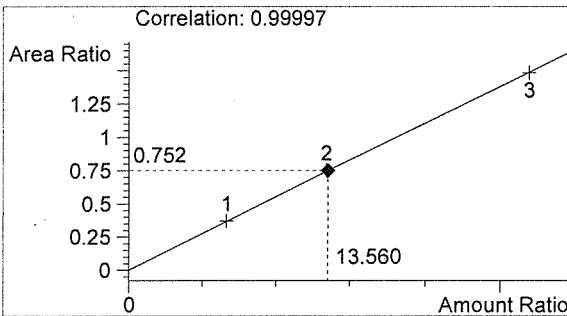
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 15057

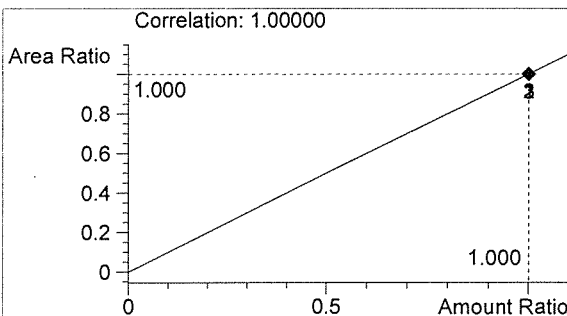
8 In 25/15



#	Compound	Peak Area	RT (min)
1	Ethanol	1873	1.094
2	n-Propanol	2492	1.758



Ethanol 0.163 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 9:28:23 AM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

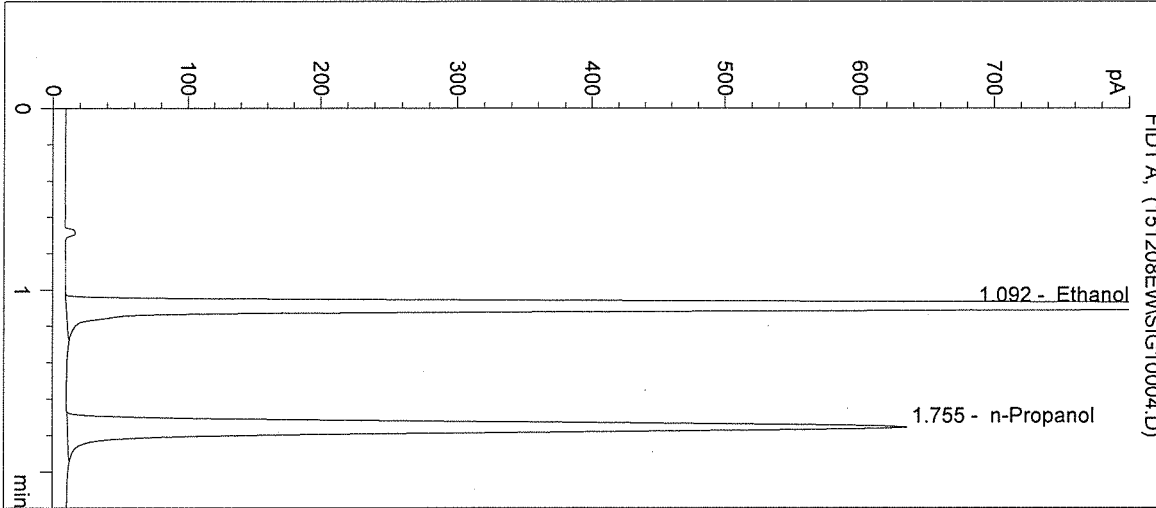
Operator: Elizabeth Wehner

Column: DB-ALC1

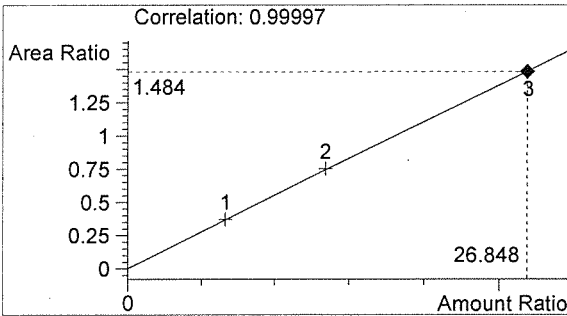
Location: Vial 4

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

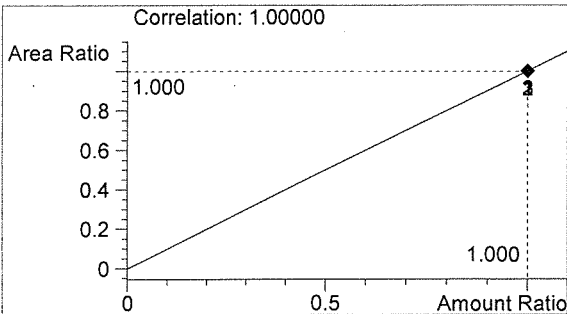
Sample Info: 150578 *fn 45/116*



#	Compound	Peak Area	RT (min)
1	Ethanol	3634	1.092
2	n-Propanol	2448	1.755



Ethanol 0.322 g/100mL



n-Propanol 0.012 g/100mL

fn

EW

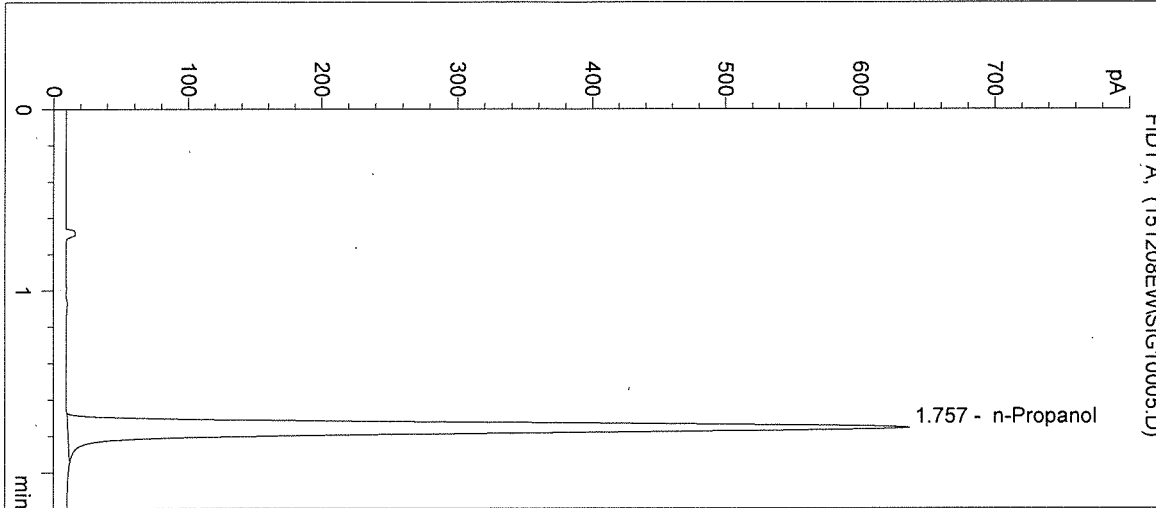
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/8/2015 9:31:37 AM
Instrument: HSGC#1

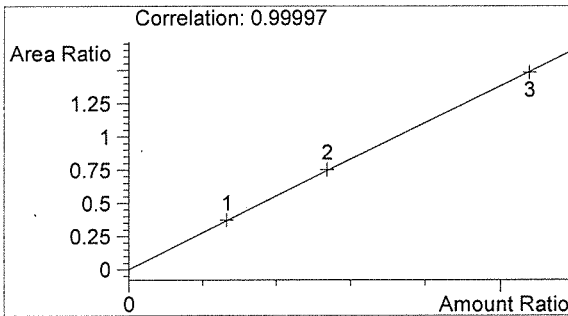
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 5

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

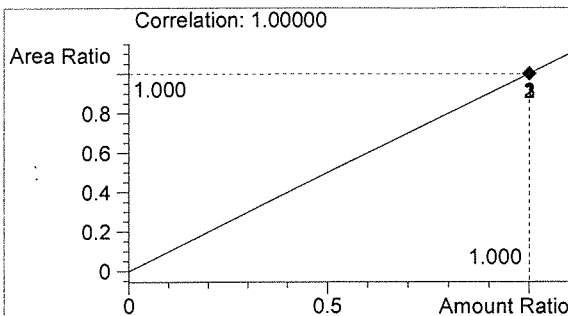
Sample Info: 150578 *for 2/15/16*



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2460	1.757



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 9:34:49 AM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

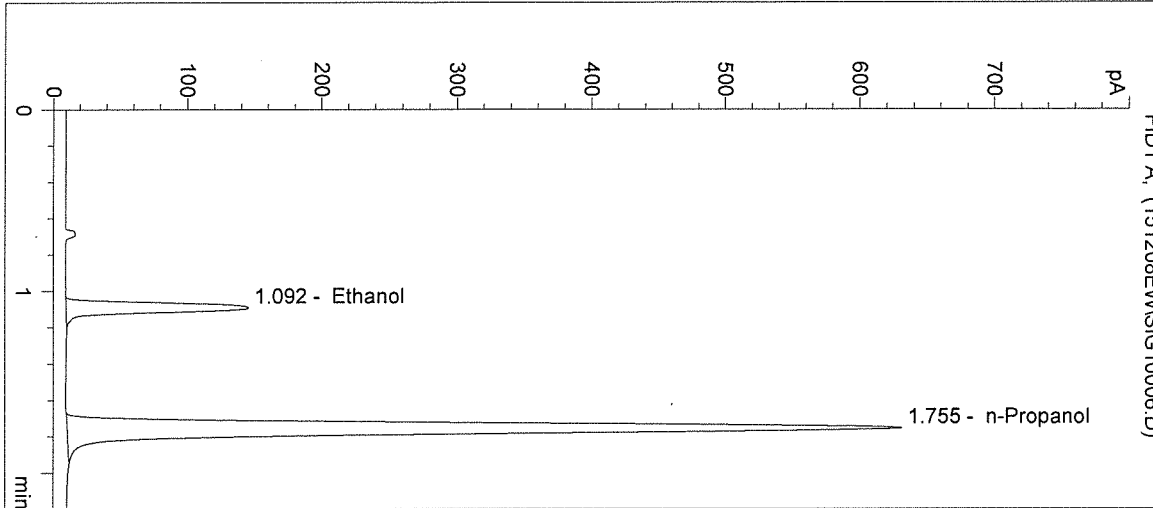
Operator: Elizabeth Wehner

Column: DB-ALC1

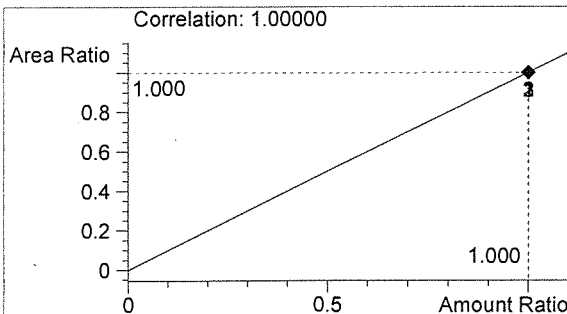
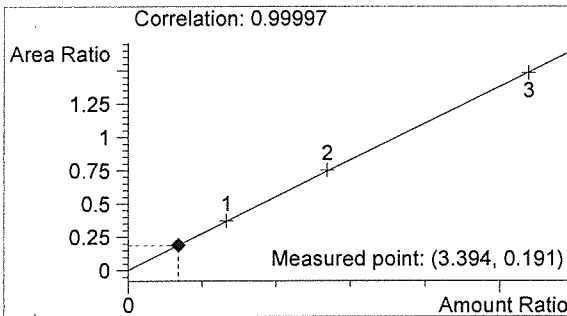
Location: Vial 6

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

Sample Info: 15057
 8 12/15/16



#	Compound	Peak Area	RT (min)
1	Ethanol	466	1.092
2	n-Propanol	2438	1.755

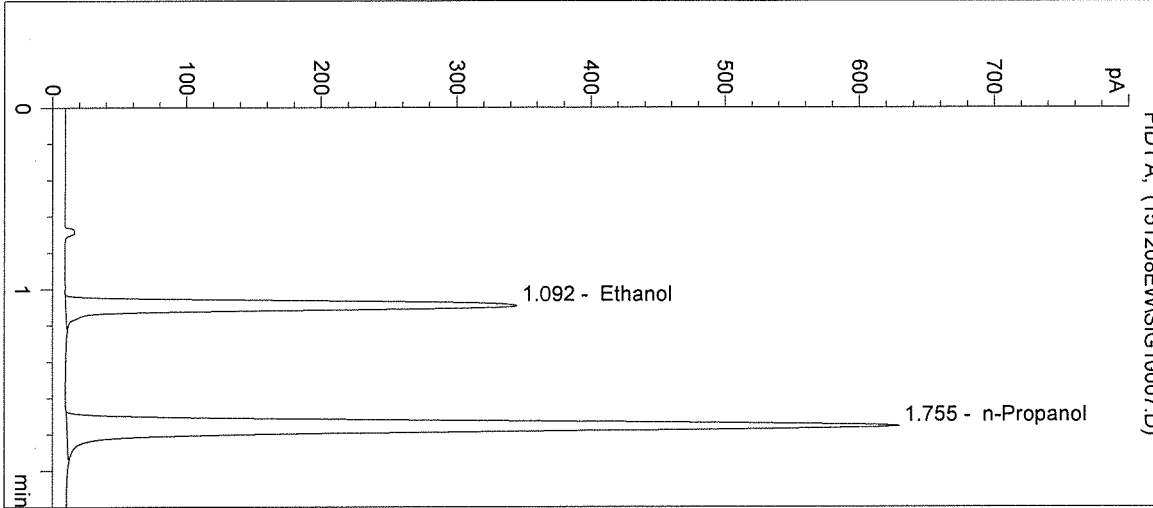


EW

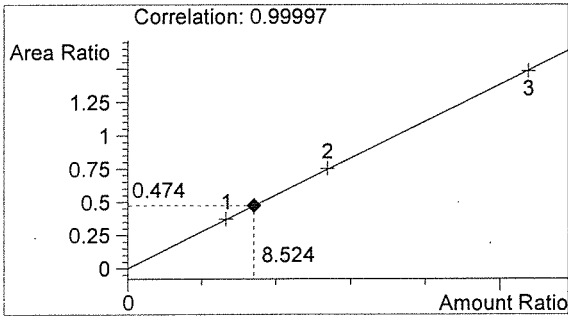
EW

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2203 Airport Way S Seattle, WA 98134

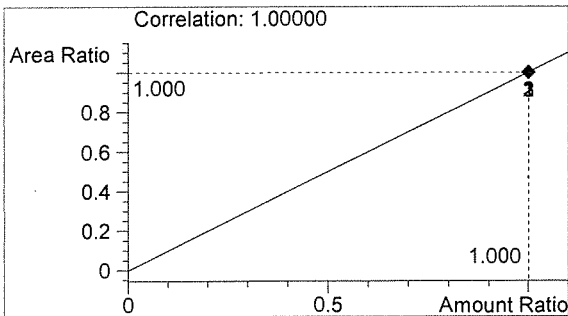
Inj. Date: 12/8/2015 9:38:03 AM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 7
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15057 *8 fu215116*



#	Compound	Peak Area	RT (min)
1	Ethanol	1152	1.092
2	n-Propanol	2430	1.755



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

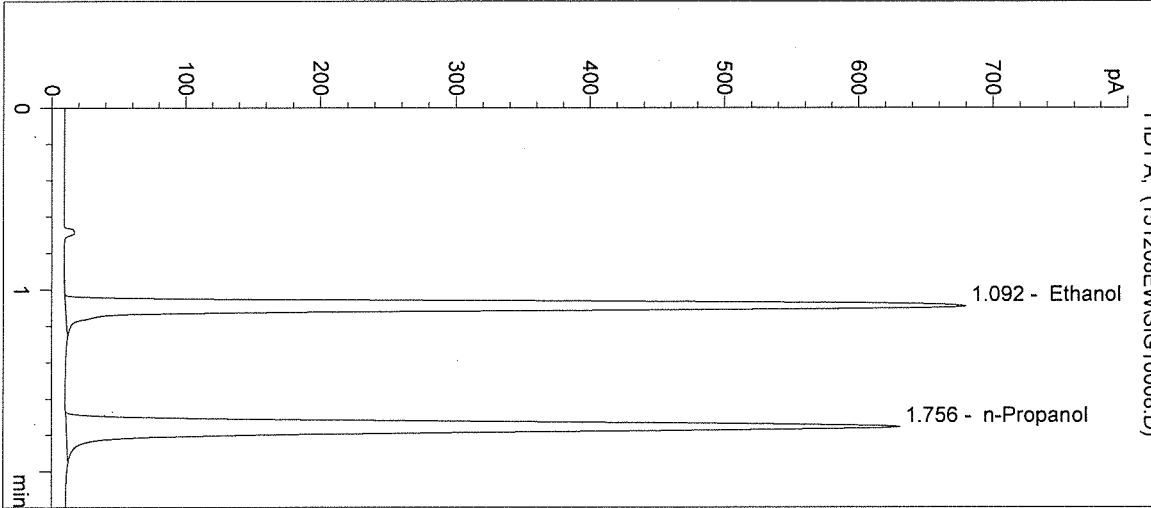
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/8/2015 9:41:17 AM
 Instrument: HSGC#1

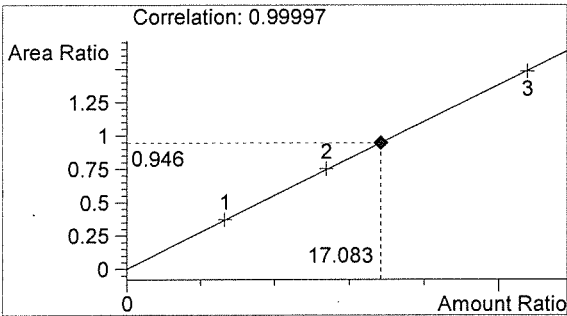
Sample Name: 0.20 CTRL
 Operator: Elizabeth Wehner
 Location: Vial 8

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

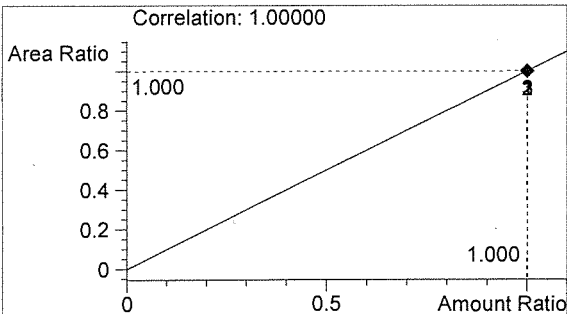
Sample Info: 15057/8 *for 15116*



#	Compound	Peak Area	RT (min)
1	Ethanol	2301	1.092
2	n-Propanol	2433	1.756



Ethanol 0.205 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 9:44:30 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

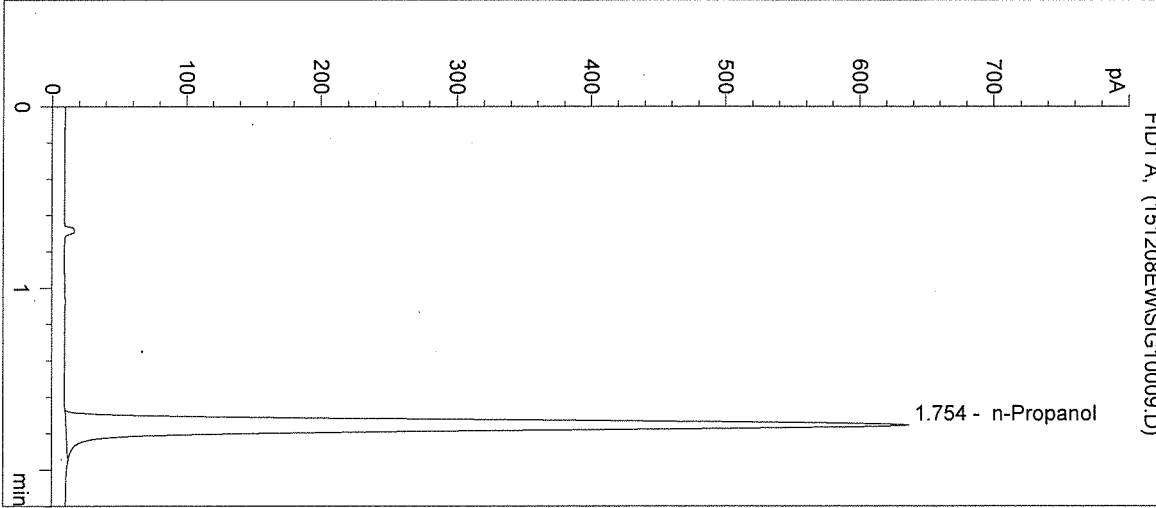
Operator: Elizabeth Wehner

Column: DB-ALC1

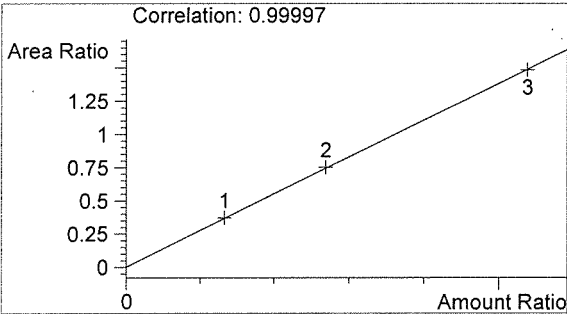
Location: Vial 9

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

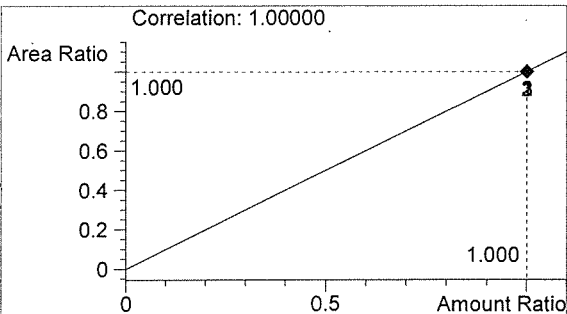
Sample Info: 15057/8 *for 215116*



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2458	1.754



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

for

EW

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

Inj. Date: 12/8/2015 10:10:14 AM

Sample Name: 15058-1

Instrument: HSGC#1

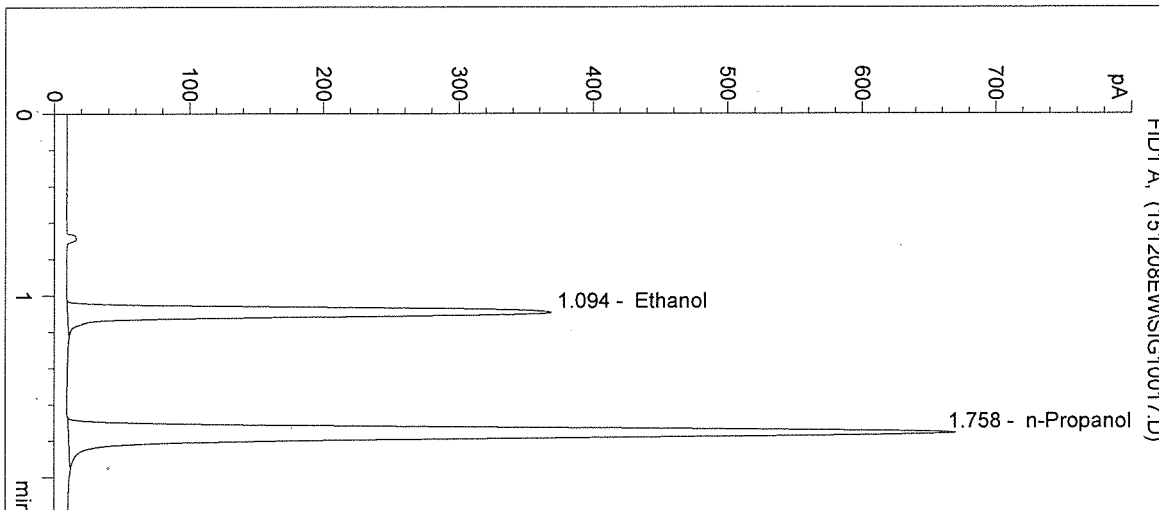
Operator: Elizabeth Wehner

Column: DB-ALC1

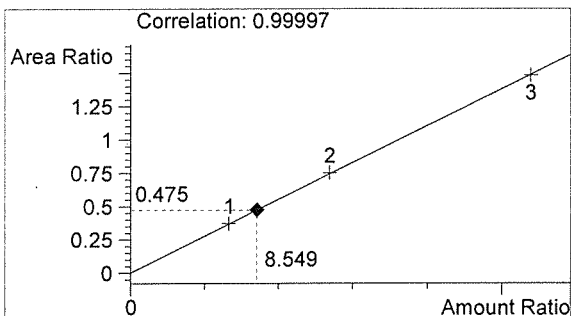
Location: Vial 17

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

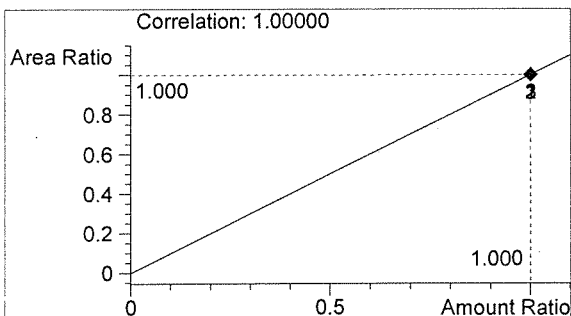
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.094
2	n-Propanol	2601	1.758



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 10:13:27 AM

Sample Name: 15058-2

Instrument: HSGC#1

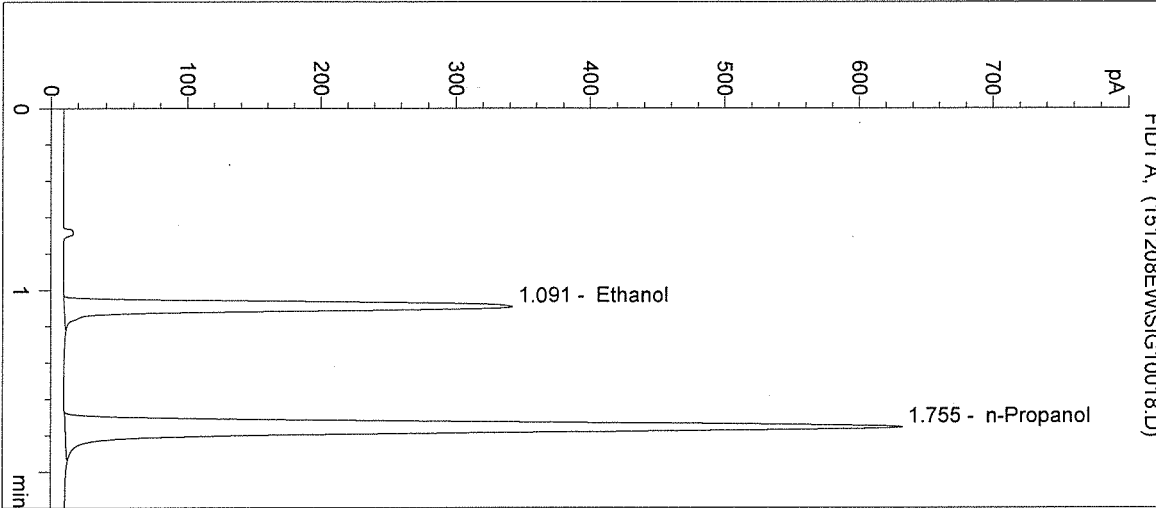
Operator: Elizabeth Wehner

Column: DB-ALC1

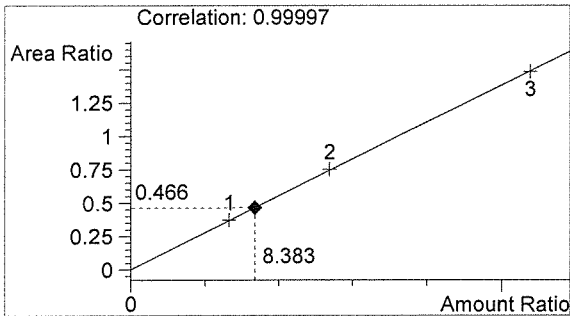
Location: Vial 18

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

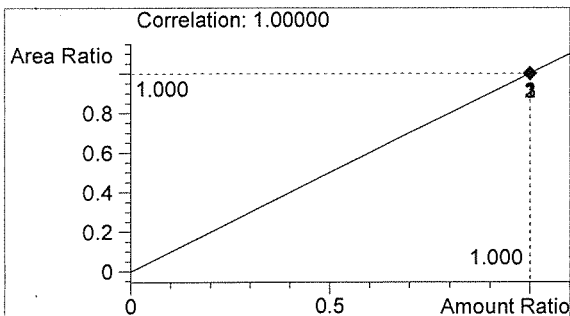
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1137	1.091
2	n-Propanol	2437	1.755



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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EW

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

Inj. Date: 12/8/2015 10:16:41 AM

Sample Name: 15058-3

Instrument: HSGC#1

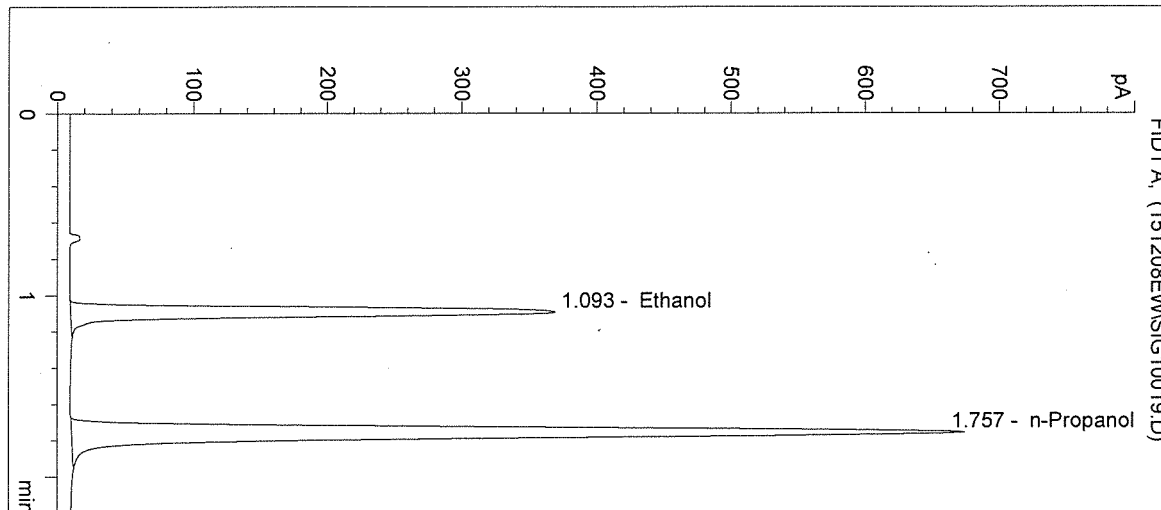
Operator: Elizabeth Wehner

Column: DB-ALC1

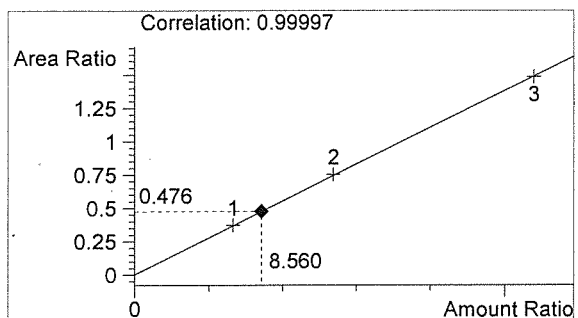
Location: Vial 19

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

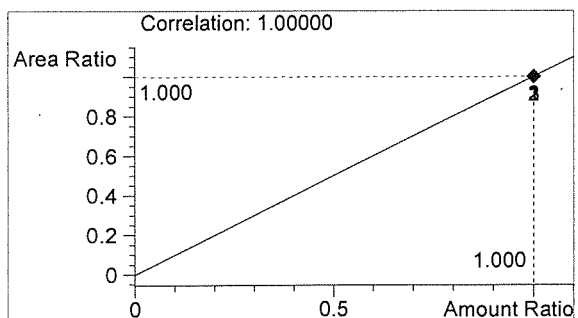
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1244	1.093
2	n-Propanol	2612	1.757



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 10:19:54 AM

Sample Name: 15058-4

Instrument: HSGC#1

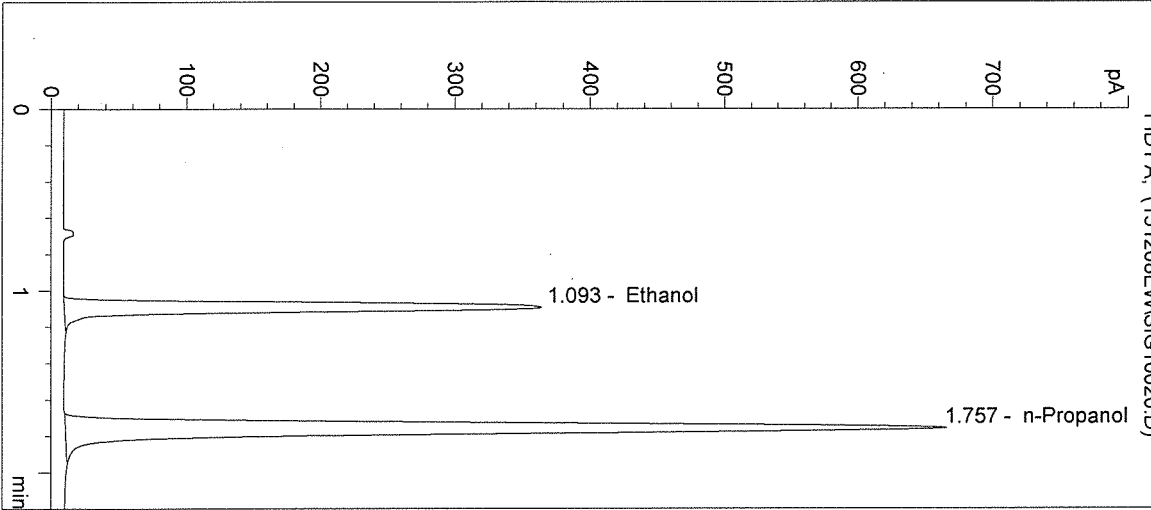
Operator: Elizabeth Wehner

Column: DB-ALC1

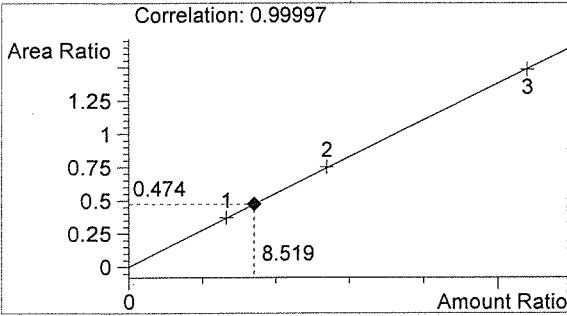
Location: Vial 20

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

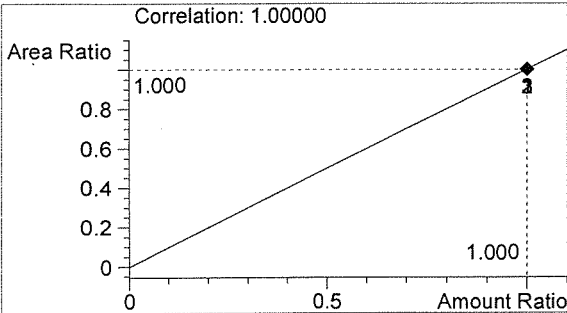
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1220	1.093
2	n-Propanol	2576	1.757



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

fr

EW

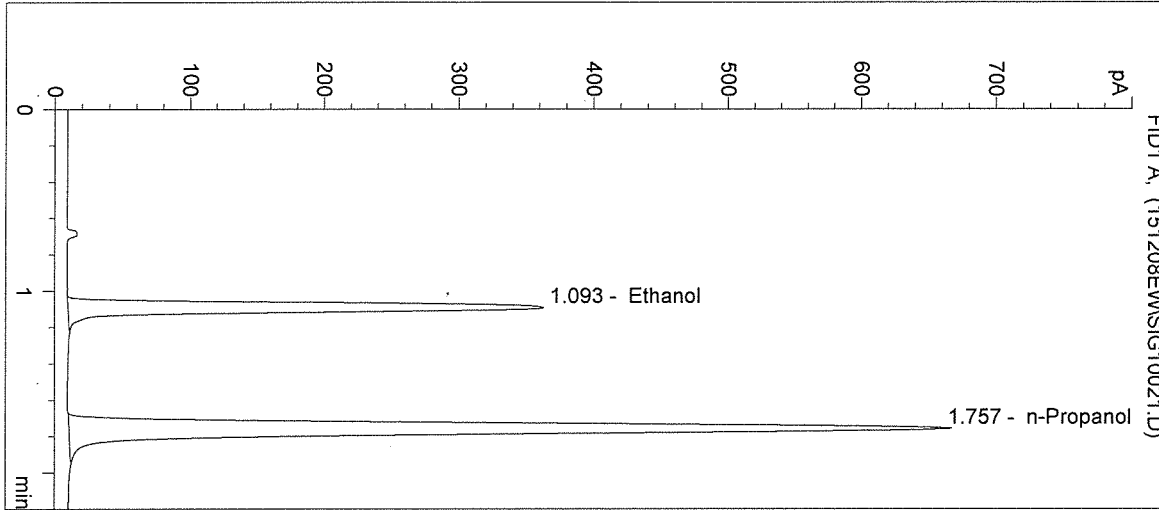
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/8/2015 10:23:07 AM
 Instrument: HSGC#1
 Column: DB-ALC1

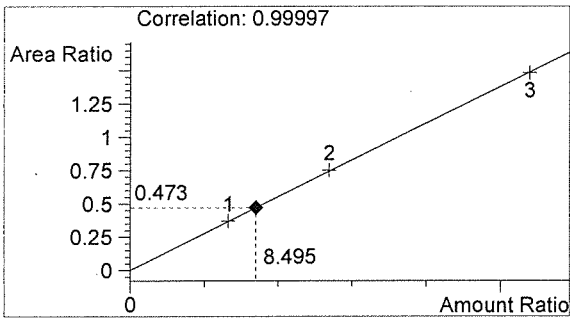
Sample Name: 15058-5
 Operator: Elizabeth Wehner
 Location: Vial 21

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

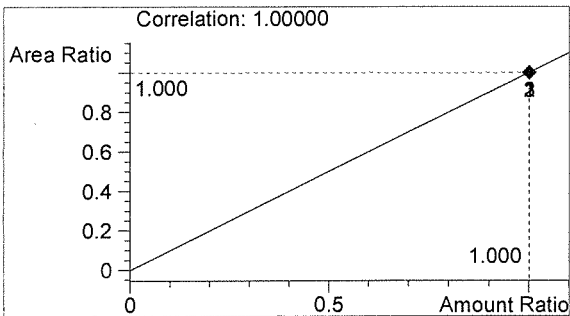
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1221	1.093
2	n-Propanol	2583	1.757



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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

Inj. Date: 12/8/2015 10:26:20 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

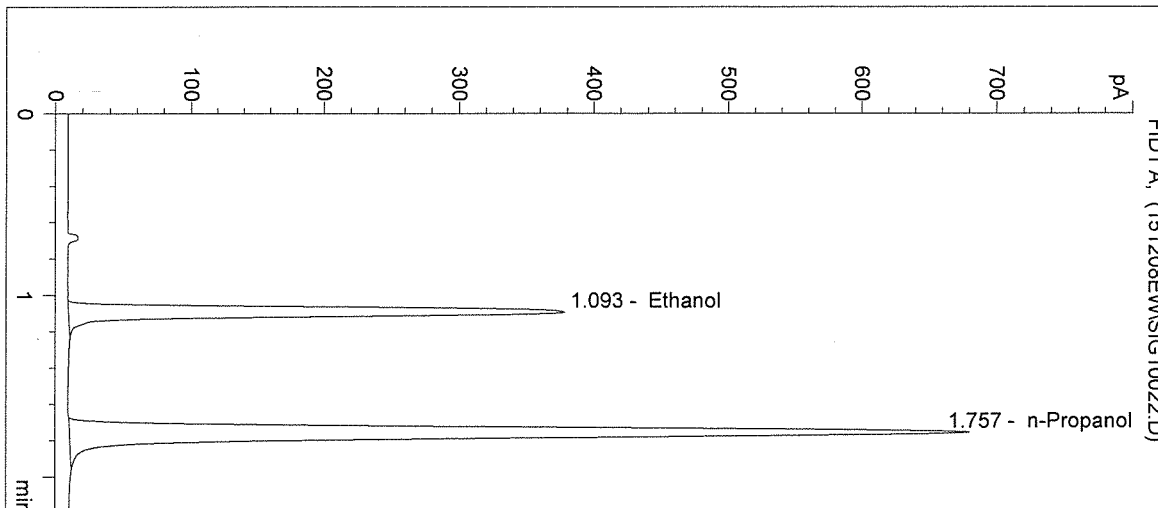
Operator: Elizabeth Wehner

Column: DB-ALC1

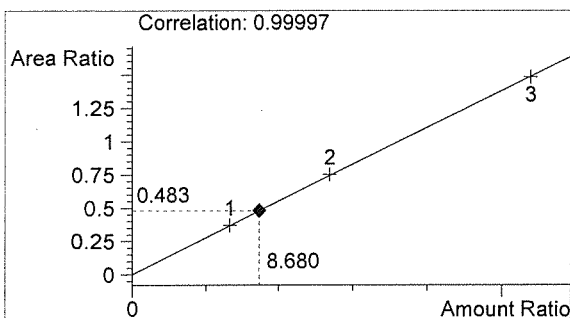
Location: Vial 22

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

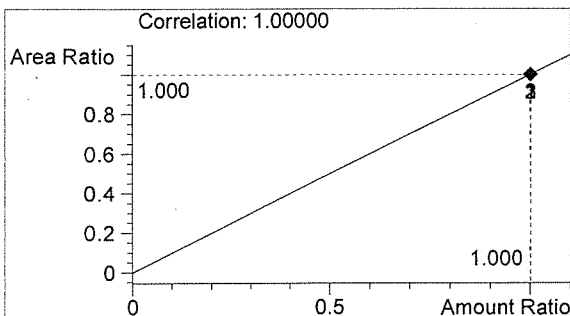
Sample Info: 15058



#	Compound	Peak Area	RT (min)
1	Ethanol	1273	1.093
2	n-Propanol	2638	1.757



Ethanol 0.104 g/100mL



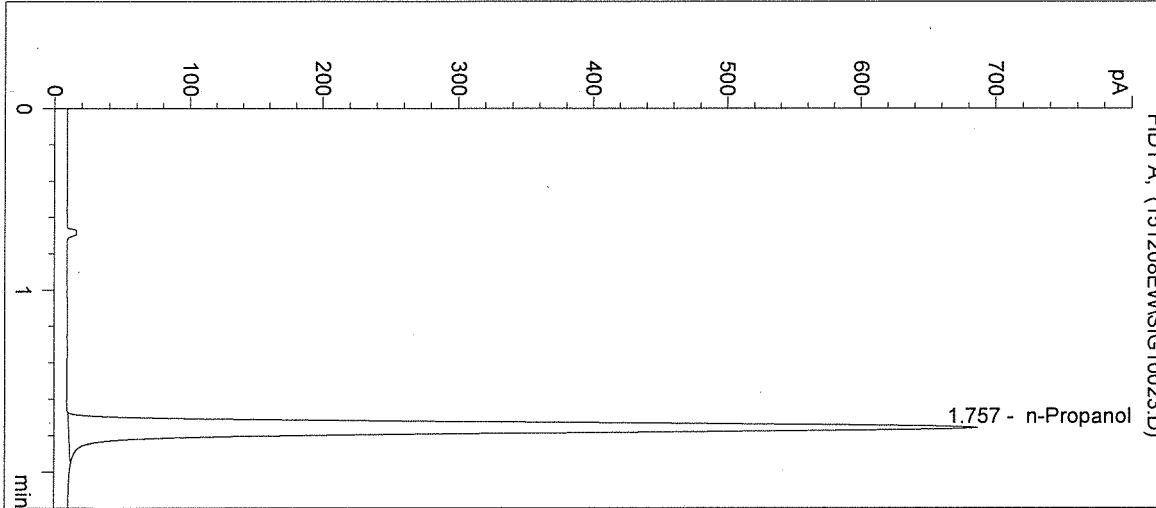
n-Propanol 0.012 g/100mL

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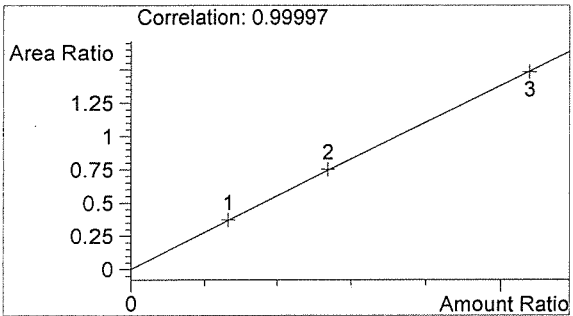
EW

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2203 Airport Way S Seattle, WA 98134

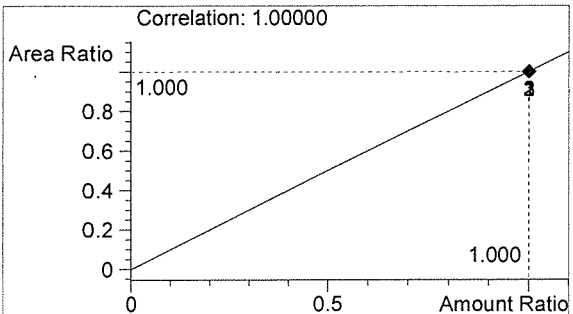
Inj. Date: 12/8/2015 10:29:34 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15058



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2665	1.757



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

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: 151216AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E1015-01 - Exp. 4/29/2016
 Ethanol Calibrator 2, E1015-02 - Exp. 4/29/2016
 Ethanol Calibrator 3, E1015-03 - Exp. 4/29/2016
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
 Internal Standard Lot#P1115 - Exp. 2/20/2016

Calibration vials 1-9 filed with 15057.

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	15057-1	SIMALC1	1	Sample		
11	Vial 11	15057-2	SIMALC1	1	Sample		
12	Vial 12	15057-3	SIMALC1	1	Sample		
13	Vial 13	15057-4	SIMALC1	1	Sample		
14	Vial 14	15057-5	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	15058-1	SIMALC1	1	Sample		
18	Vial 18	15058-2	SIMALC1	1	Sample		
19	Vial 19	15058-3	SIMALC1	1	Sample		
20	Vial 20	15058-4	SIMALC1	1	Sample		
21	Vial 21	15058-5	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	15059-1	SIMALC1	1	Sample		
25	Vial 25	15059-2	SIMALC1	1	Sample		
26	Vial 26	15059-3	SIMALC1	1	Sample		

15058

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	15059-4	SIMALC1	1	Sample		
28	Vial 28	15059-5	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	15060-1	SIMALC1	1	Sample		
32	Vial 32	15060-2	SIMALC1	1	Sample		
33	Vial 33	15060-3	SIMALC1	1	Sample		
34	Vial 34	15060-4	SIMALC1	1	Sample		
35	Vial 35	15060-5	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!

15058

Ln 215/116

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

Inj. Date: 12/16/2015 3:49:51 PM

Sample Name: 15058-1

Instrument: HSGC#1

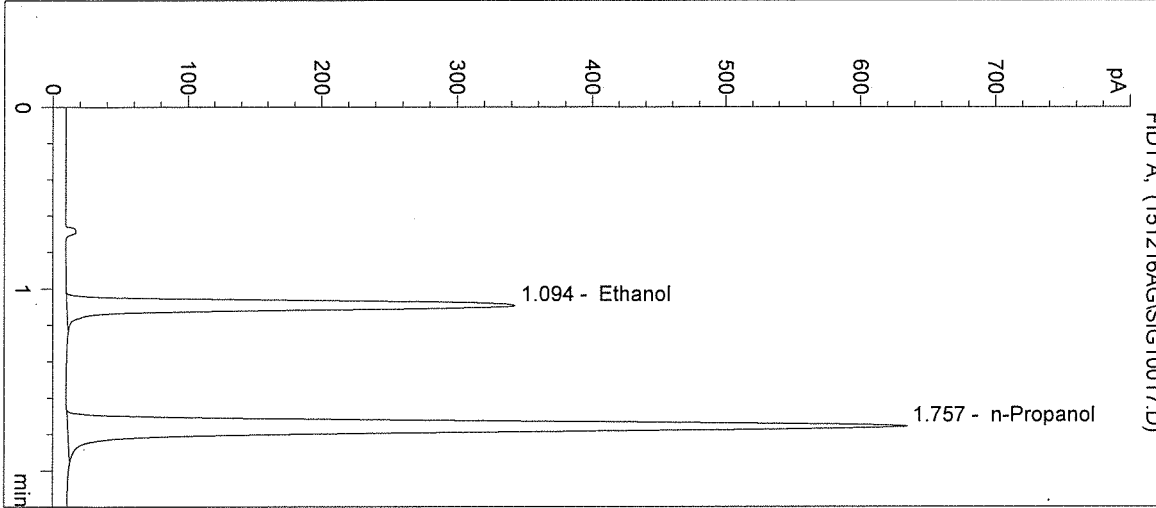
Operator: Andrew Gingras

Column: DB-ALC1

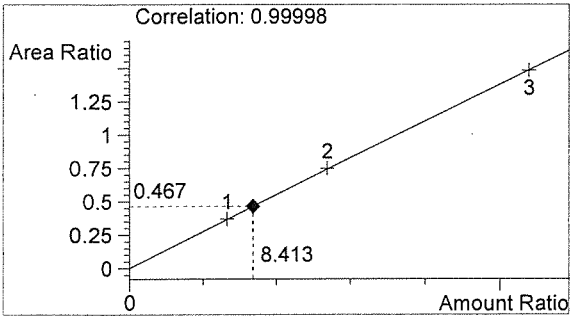
Location: Vial 17

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

Sample Info:

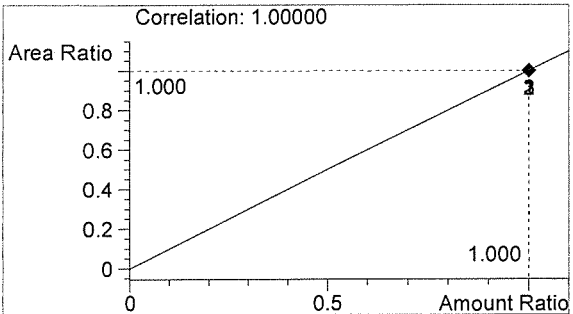


#	Compound	Peak Area	RT (min)
1	Ethanol	1166	1.094
2	n-Propanol	2500	1.757



Ethanol 0.101 g/100mL

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n-Propanol 0.012 g/100mL

Handwritten signature

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

Inj. Date: 12/16/2015 3:53:04 PM

Sample Name: 15058-2

Instrument: HSGC#1

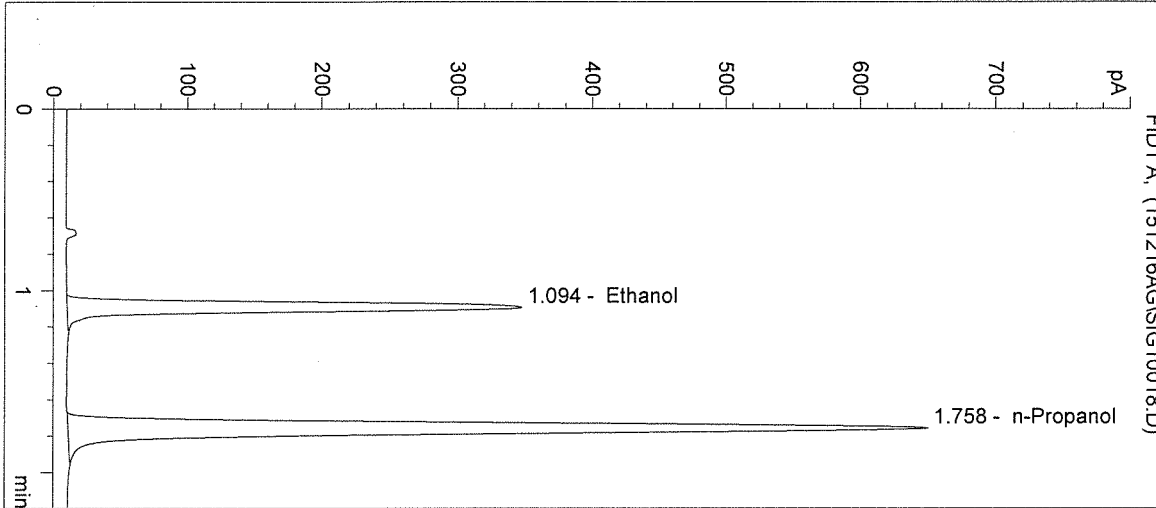
Operator: Andrew Gingras

Column: DB-ALC1

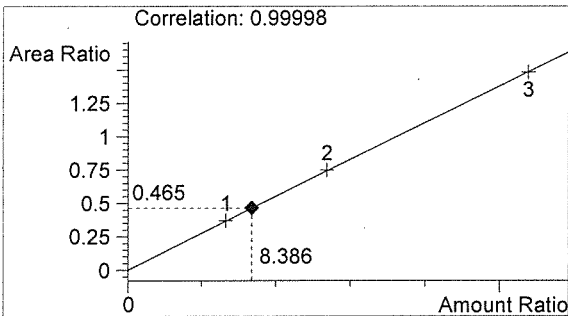
Location: Vial 18

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

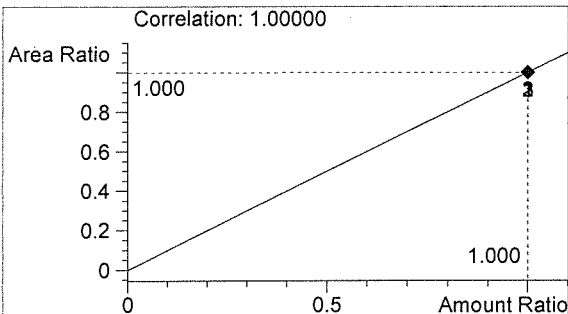
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1193	1.094
2	n-Propanol	2565	1.758



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Handwritten signature

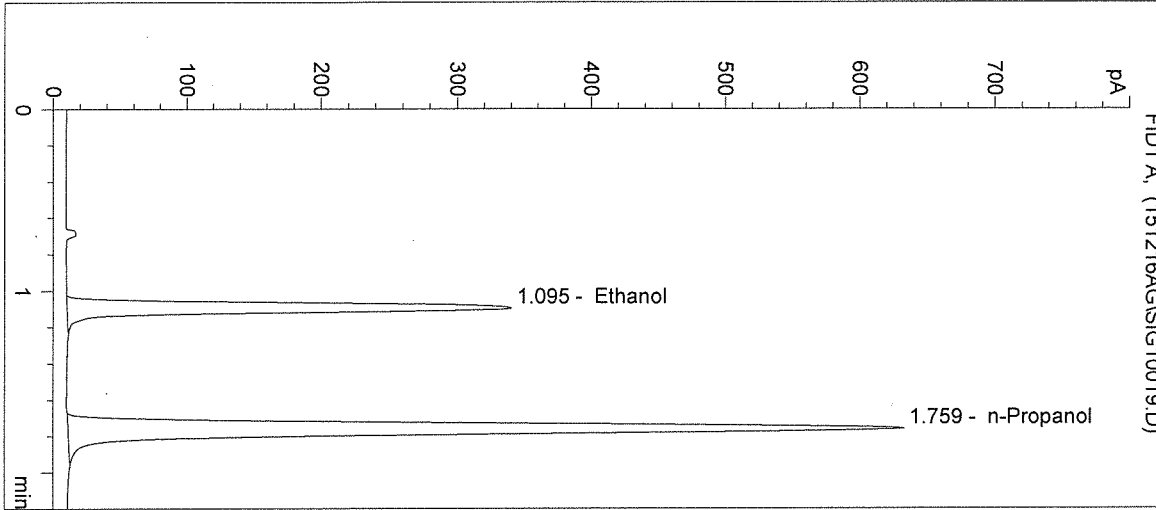
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2015 3:56:17 PM
Instrument: HSGC#1
Column: DB-ALC1

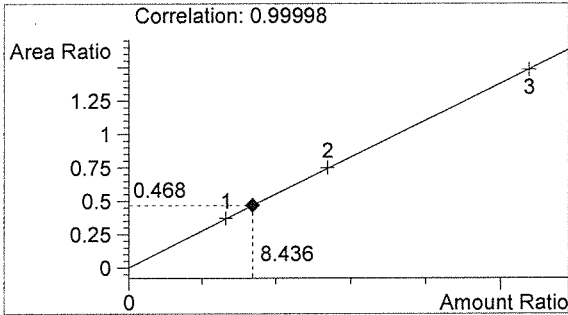
Sample Name: 15058-3
Operator: Andrew Gingras
Location: Vial 19

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

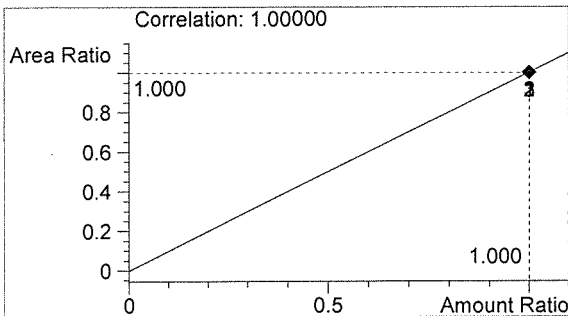
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1168	1.095
2	n-Propanol	2496	1.759



Ethanol 0.101 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: 12/16/2015 3:59:31 PM

Sample Name: 15058-4

Instrument: HSGC#1

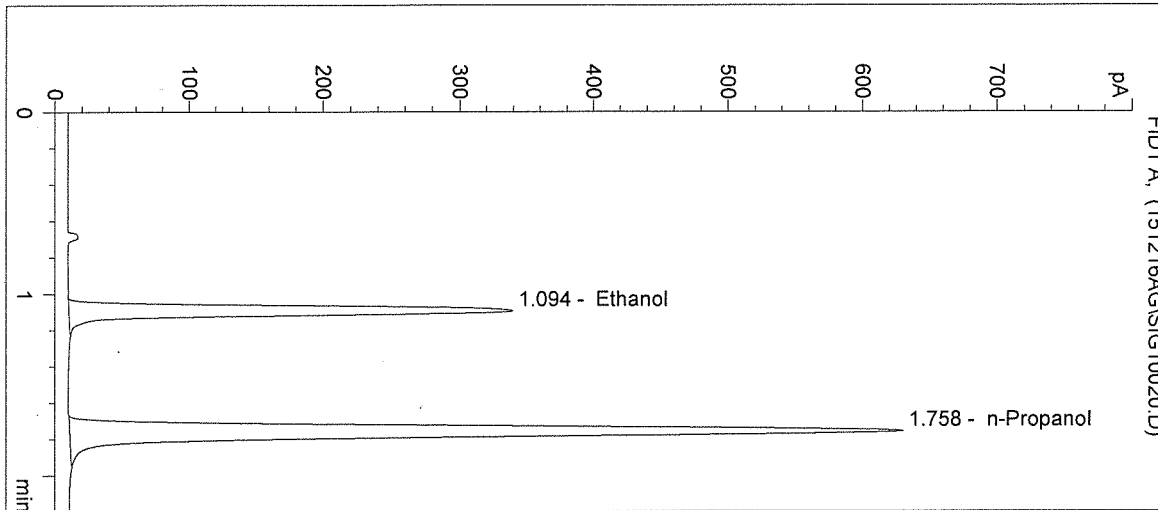
Operator: Andrew Gingras

Column: DB-ALC1

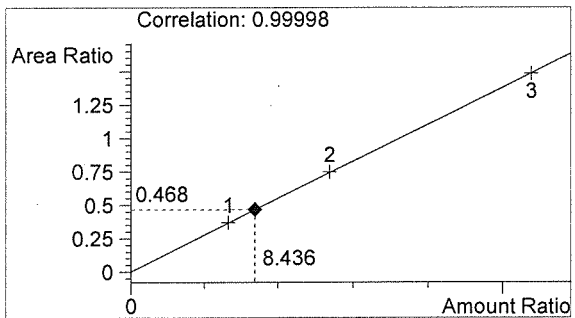
Location: Vial 20

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

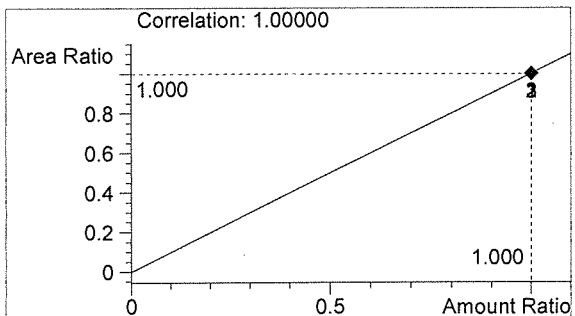
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1161	1.094
2	n-Propanol	2482	1.758



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

gr

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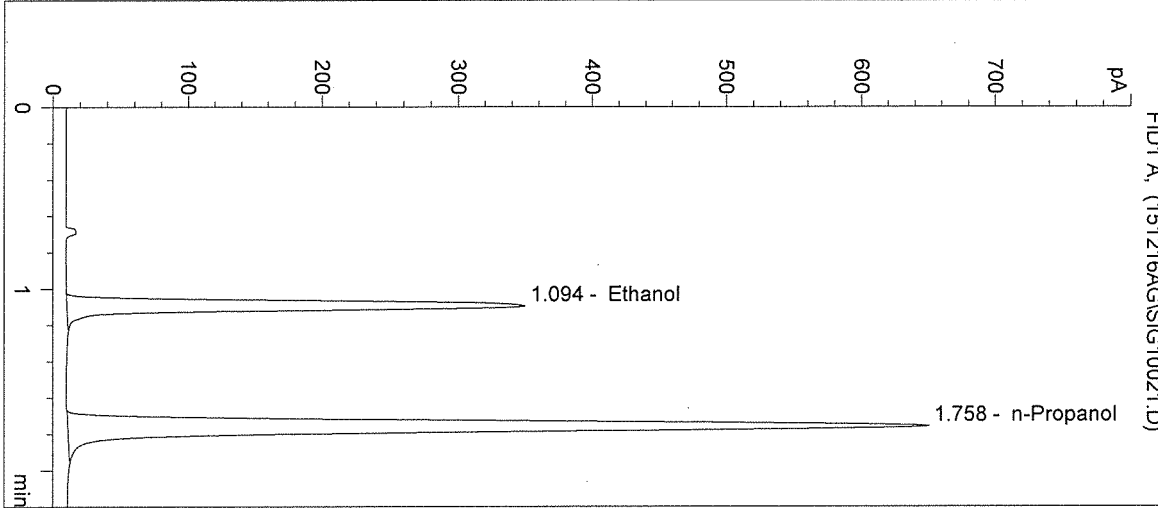
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2015 4:02:44 PM
Instrument: HSGC#1

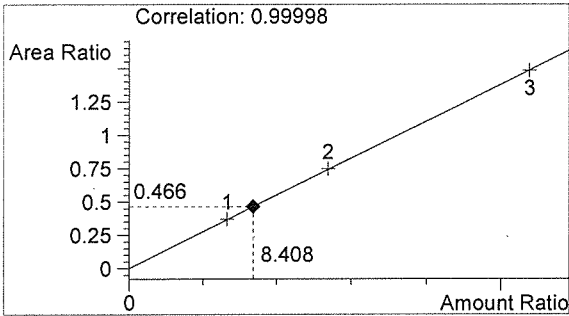
Sample Name: 15058-5
Operator: Andrew Gingras
Location: Vial 21

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

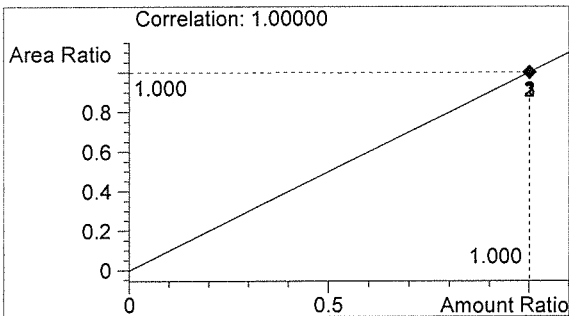
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1195	1.094
2	n-Propanol	2561	1.758



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

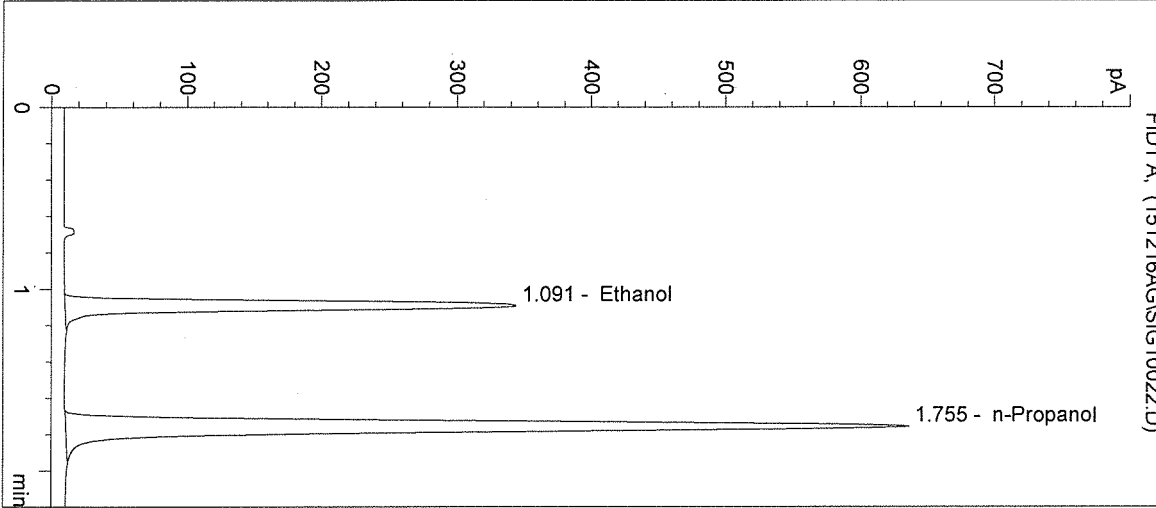
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2015 4:05:57 PM
Instrument: HSGC#1

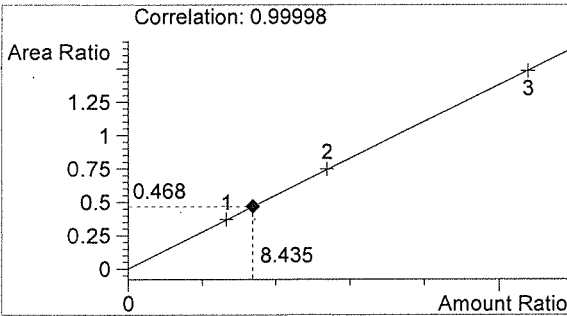
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 22

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

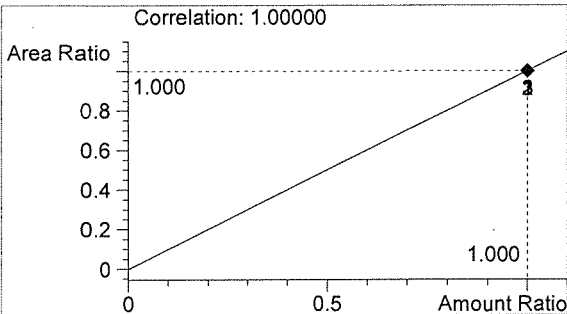
Sample Info: 15058



#	Compound	Peak Area	RT (min)
1	Ethanol	1159	1.091
2	n-Propanol	2477	1.755



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

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

Inj. Date: 12/16/2015 4:09:11 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

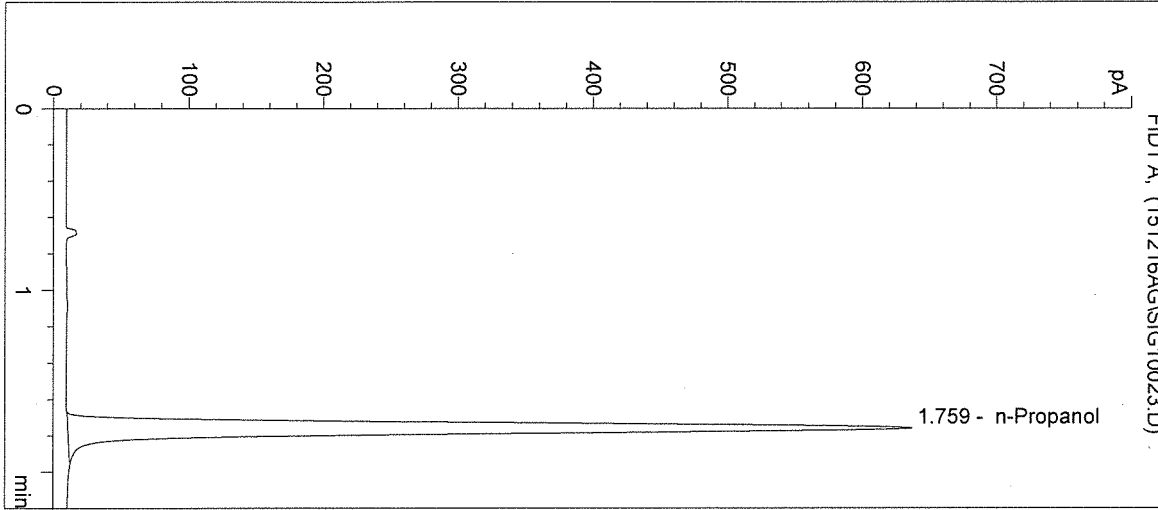
Operator: Andrew Gingras

Column: DB-ALC1

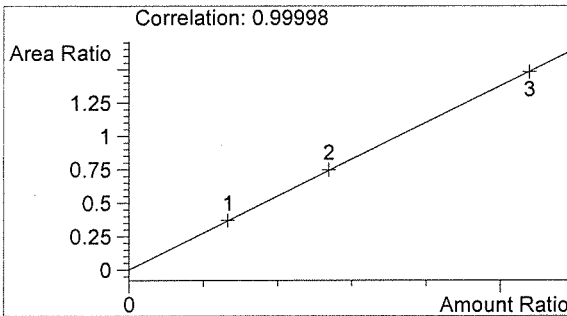
Location: Vial 23

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

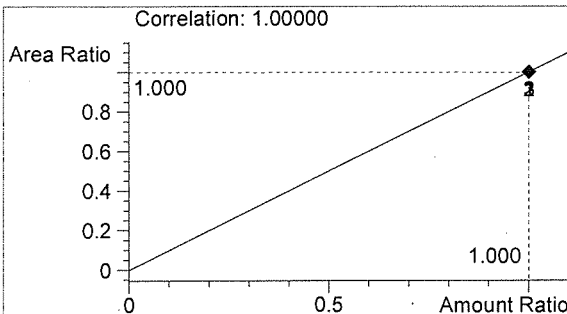
Sample Info: 15058



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2516	1.759



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

g

g