



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15057

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: 0.04 g/210L
DATE PREPARED: 12/07/2015
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Amanda Chandler

	AC	EW	AG
1	0.051	0.050	0.050
2	0.051	0.051	0.050
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.050	0.050	0.050
C	0.103	0.103	0.101

ETHANOL CONTROL INFORMATION

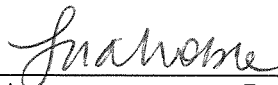
LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0504 g/100mL PRECISION CV (%): 1.01
STANDARD DEVIATION: 0.00051 NUMBER OF TESTS: 15


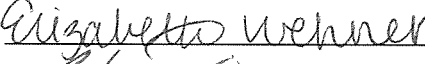

EQUIVALENT VAPOR CONCENTRATION: **0.0410 g/210L**
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Lisa Noble Forensic Scientist Supervisor

2/17/16
DATE REPORT ISSUED

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

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

QAP Solution Batch #: 15057

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	0.051	0.050	0.050
2	0.051	0.051	0.050
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.050	0.050	0.050
C	0.103	0.103	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000067487	0.0000424408	0.0001016326

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

Average Solution Concentration: 0.0504 g/100mL
 Standard Deviation: 0.00051 g/100mL
 Precision CV (%): 1.01
 Equivalent Vapor Concentration: 0.0410 g/210L
 Combined Standard Uncertainty (\pm): 0.0005 g/210L
 Expanded Uncertainty (\pm): 0.0010 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
 Name Signature Date

Method: Hand Calculation

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

[Signature]

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 2-16-16
Location: WSP-FUSB Seattle, WA Solution Batch Number: 15057

	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	AC	2/18/14
Andrew Gingras	AG	4/8/16
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 # 15057 In 2/18/16

[Handwritten signature]

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15057**

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 15057, 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 2/5/16

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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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15057**

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 15057, 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

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15057**

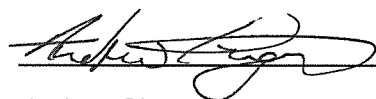
I, Andrew Gingras, do certify under penalty of perjury that:

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 15057, 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

 2/8/2016

Andrew Gingras
Forensic Scientist

Date

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:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>15057</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>15058</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>15059</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>15060</u>
QAP 0.20	56.1	18	<input type="checkbox"/>	<u> </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 Date 12/7/15

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:

Aracelis Chavala
 Analyst Signature

12/7/15
 Date

Jh

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: 151207AC
 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.

15057

fn 2/5/16

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	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		

R

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!

15057
In 2/5/16

AR

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

Calib. Data Modified : Monday, December 07, 2015 10:50:33 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 Name
 # [g/100mL]

-----|-----|-----
 1 1.20000e-2 n-Propanol

15057
12/25/16

Signal 1: FID1 A,

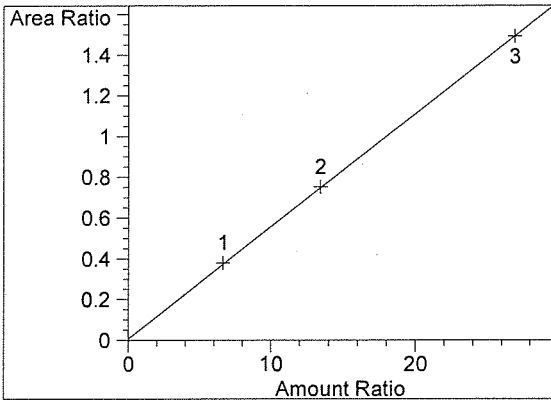
RetTime	Lvl	Amount	Area	Amt/Area	Ref	Grp Name
[min]	Sig	[g/100mL]				
1.094	1	7.96600e-2	980.32703	8.12586e-5	1	Ethanol
		1.61370e-1	1994.41980	8.09107e-5		
		3.22930e-1	4122.97510	7.83245e-5		
1.757	1	1.20000e-2	2580.84912	4.64963e-6	I1	n-Propanol
		1.20000e-2	2648.21753	4.53135e-6		
		1.20000e-2	2763.83618	4.34179e-6		

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

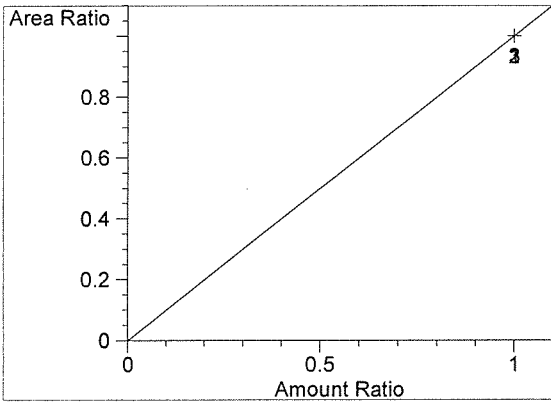
No Entries in table
 =====

AR

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Calibration Curves
=====



Ethanol at exp. RT: 1.094
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00702
Formula: $y = mx + b$
m: 5.53135e-2
b: 6.29327e-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

=====
15057
R215116

AR

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

Inj. Date: 12/7/2015 10:38:29 AM

Sample Name: BLANK

Instrument: HSGC#1

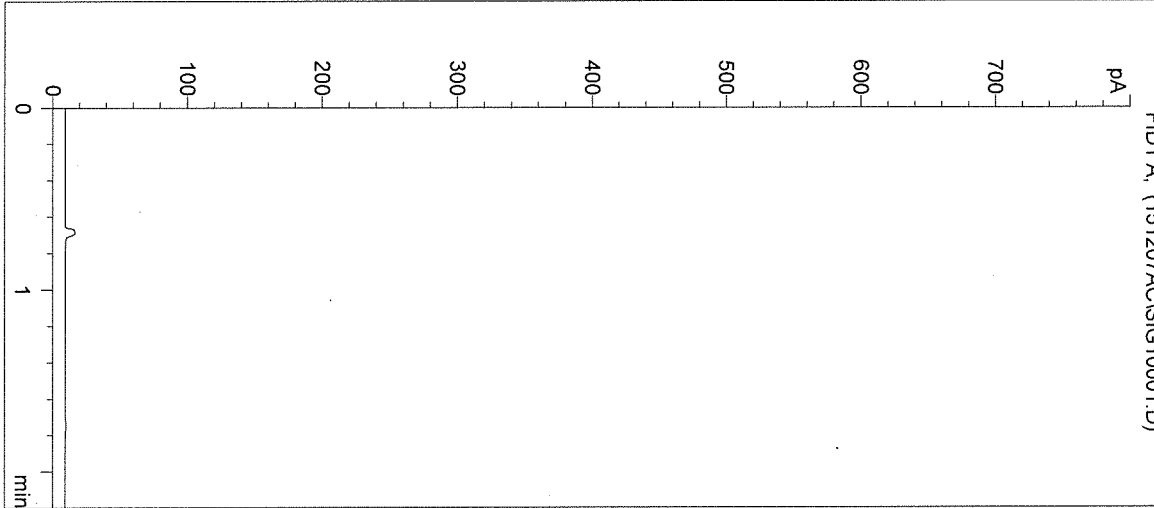
Operator: Amanda Chandler

Column: DB-ALC1

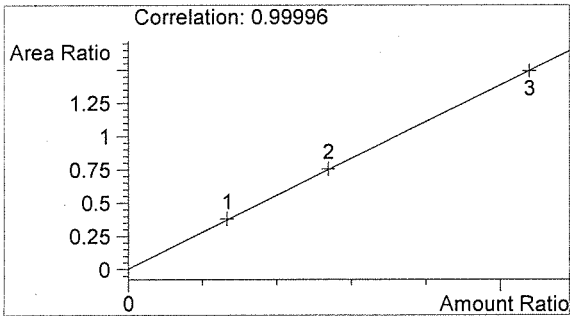
Location: Vial 1

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

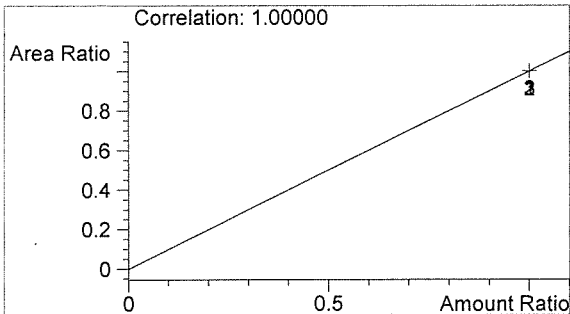
Sample Info: 15057



#	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

fn

AR

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

Inj. Date: 12/7/2015 10:41:46 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

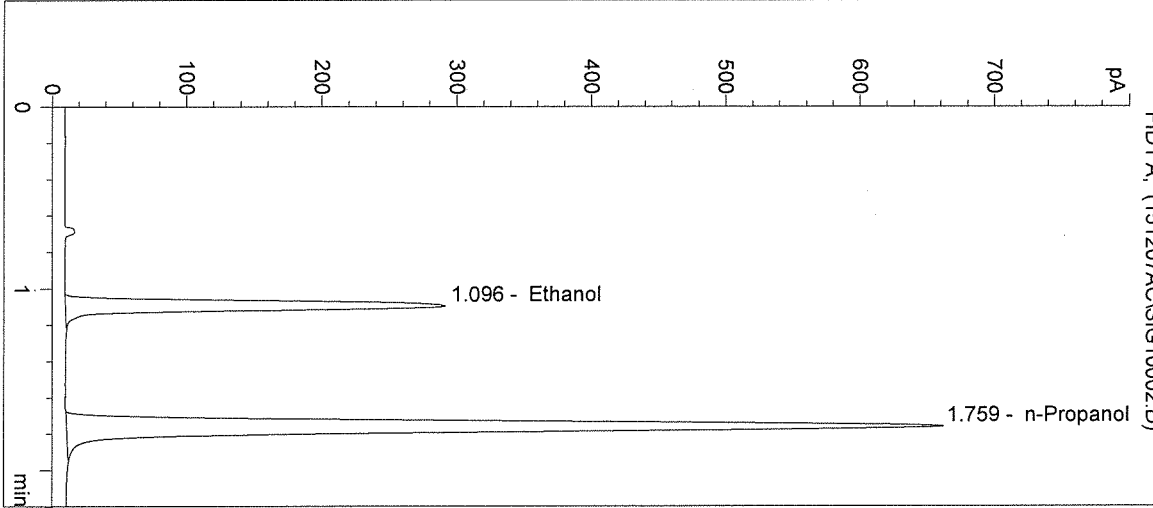
Operator: Amanda Chandler

Column: DB-ALC1

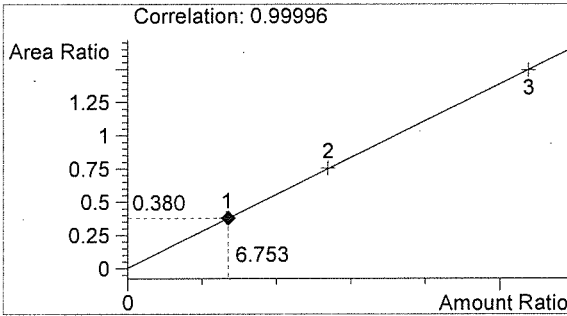
Location: Vial 2

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

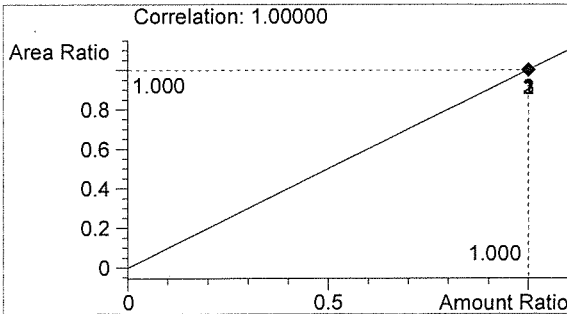
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	980	1.096
2	n-Propanol	2581	1.759



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials 'AC'

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

Inj. Date: 12/7/2015 10:45:04 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

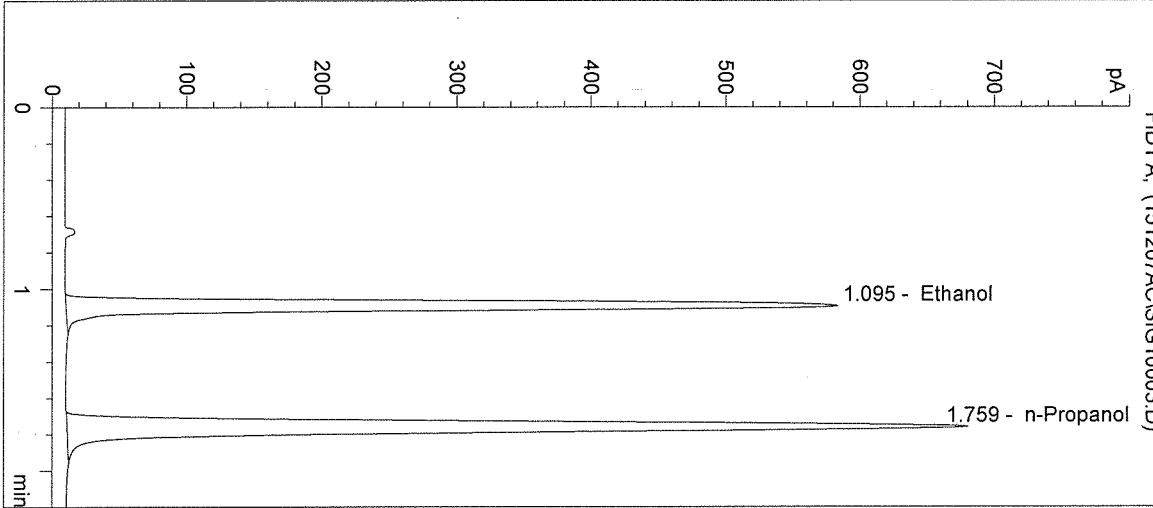
Operator: Amanda Chandler

Column: DB-ALC1

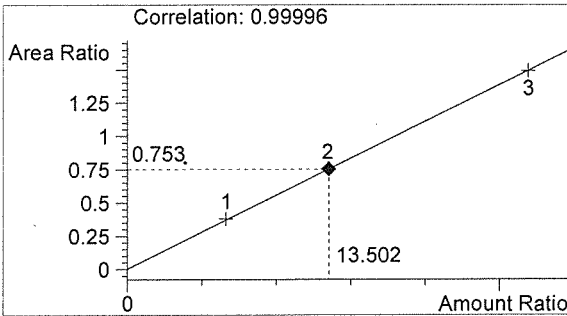
Location: Vial 3

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

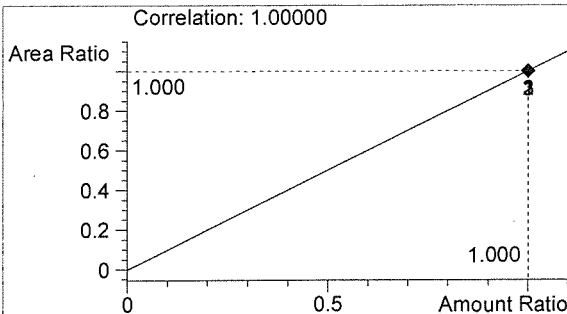
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1994	1.095
2	n-Propanol	2648	1.759



Ethanol 0.162 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 10:48:20 AM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

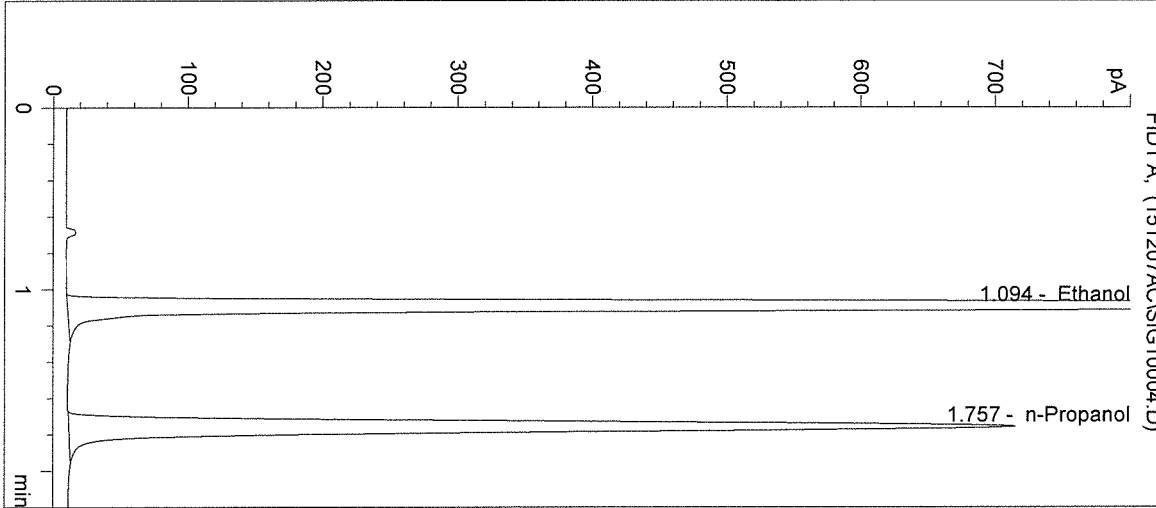
Operator: Amanda Chandler

Column: DB-ALC1

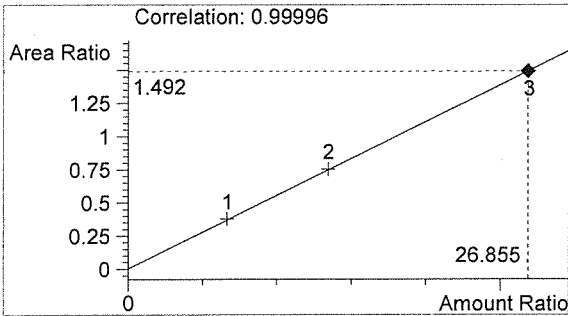
Location: Vial 4

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

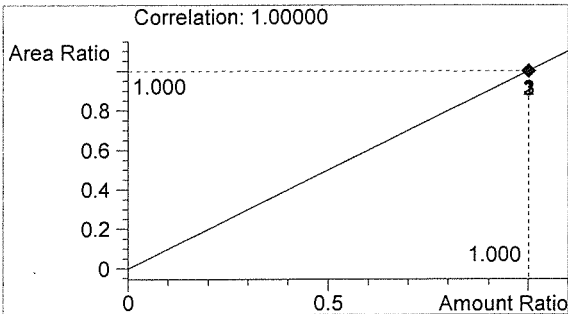
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	4123	1.094
2	n-Propanol	2764	1.757



Ethanol 0.322 g/100mL

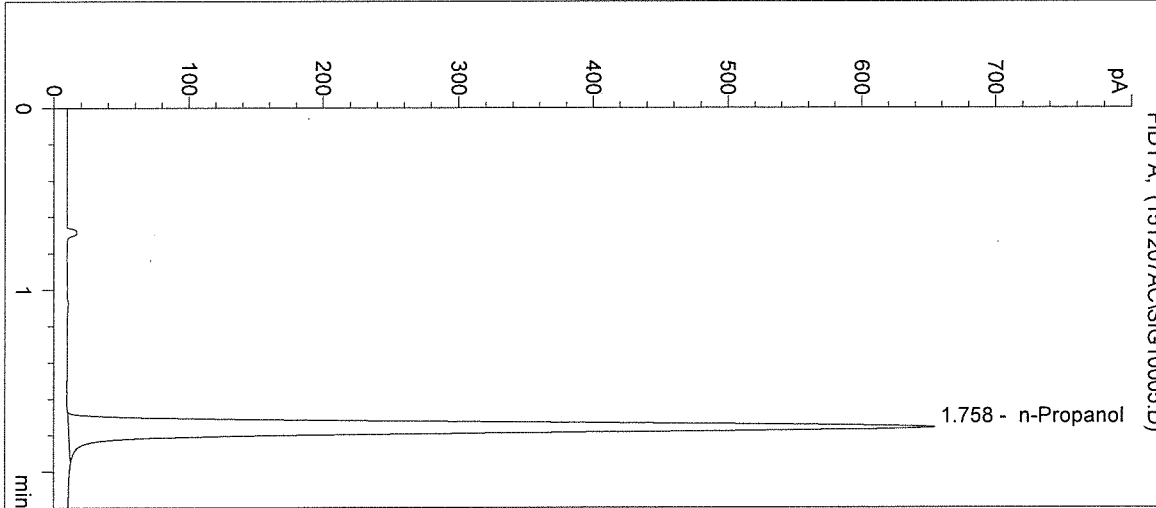


n-Propanol 0.012 g/100mL

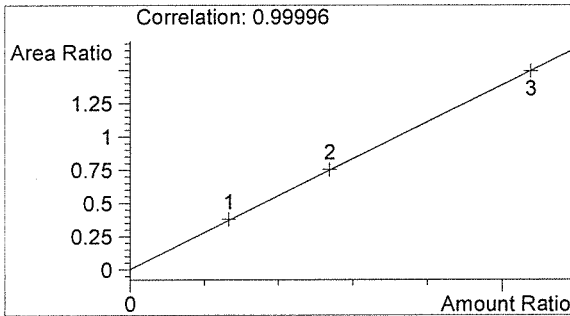
Handwritten signature

Handwritten initials AR

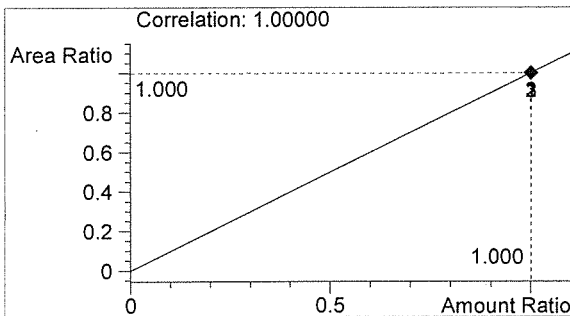
Inj. Date: 12/7/2015 10:51:34 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2540	1.758



Ethanol 0.000 g/100mL

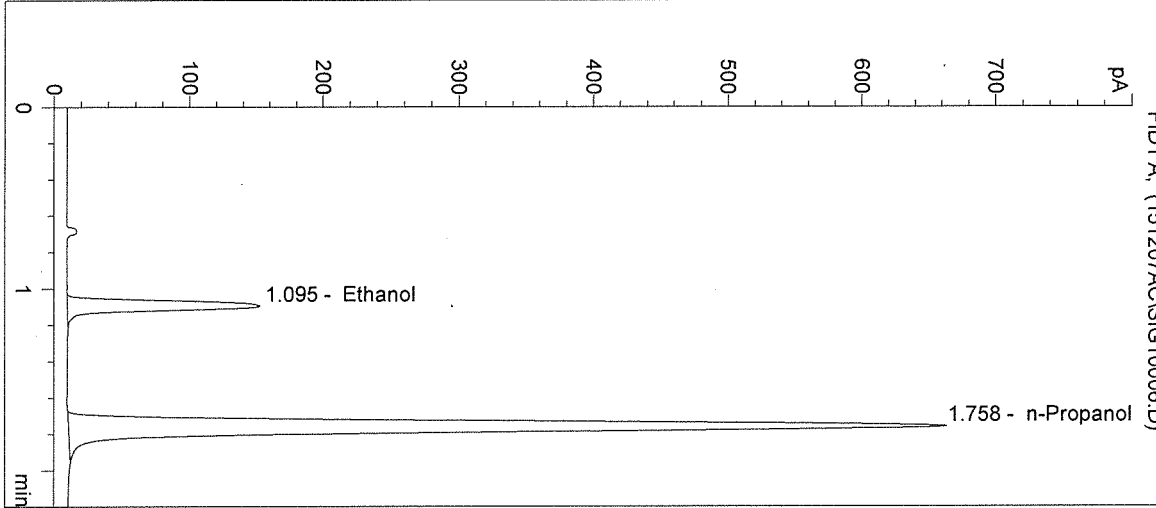


n-Propanol 0.012 g/100mL

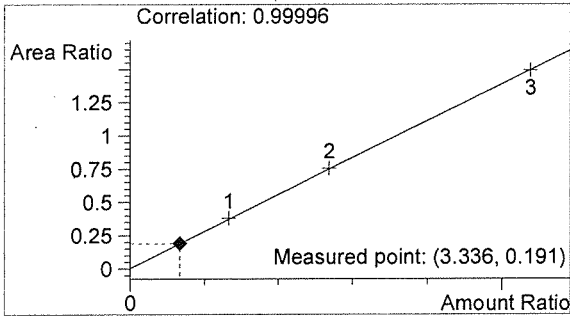
Handwritten signature

Handwritten signature

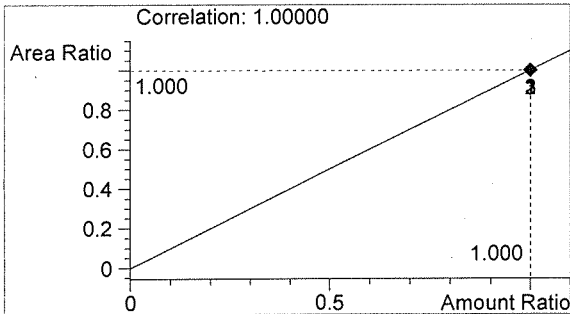
Inj. Date: 12/7/2015 10:54:46 AM Sample Name: 0.04 CTRL
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 6
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	493	1.095
2	n-Propanol	2584	1.758



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

AR

Inj. Date: 12/7/2015 10:58:00 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

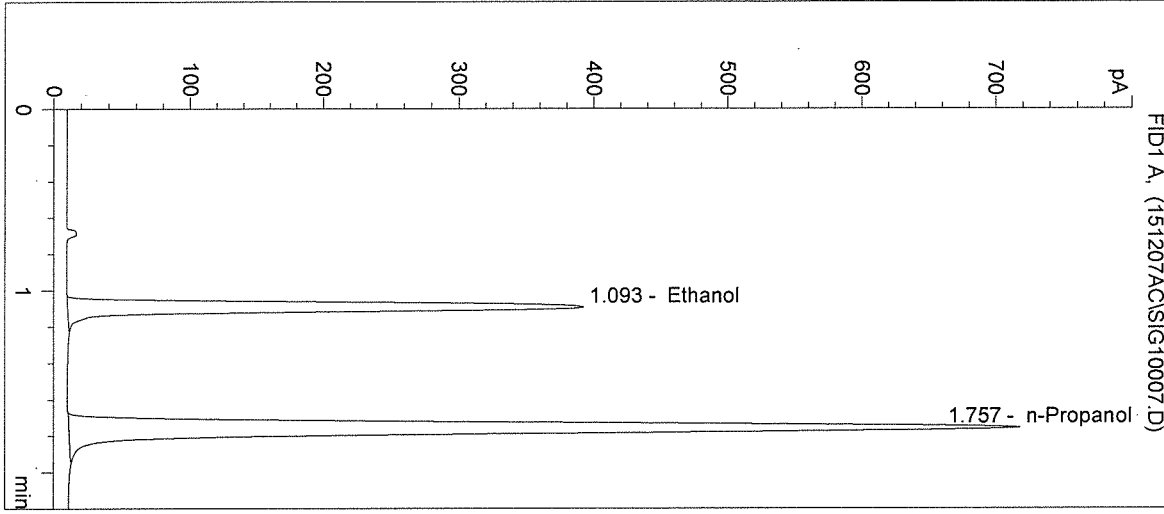
Operator: Amanda Chandler

Column: DB-ALC1

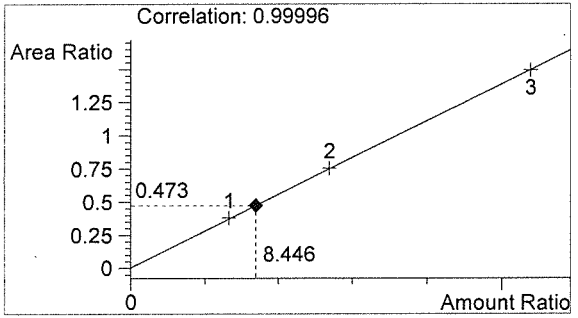
Location: Vial 7

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

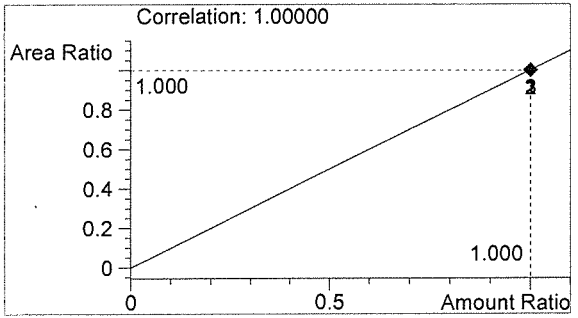
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1321	1.093
2	n-Propanol	2791	1.757



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials AR

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

Inj. Date: 12/7/2015 11:01:13 AM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

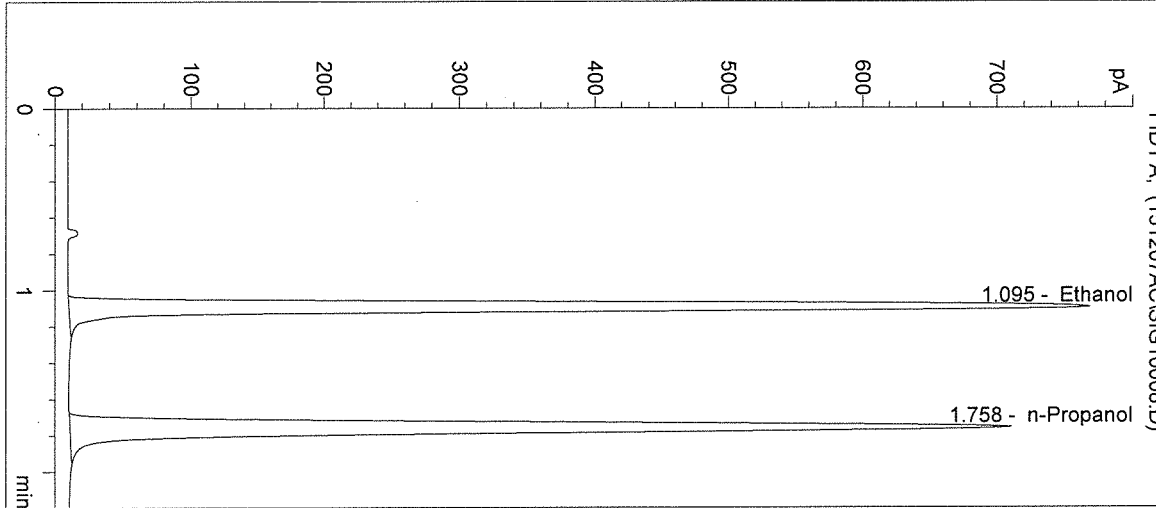
Operator: Amanda Chandler

Column: DB-ALC1

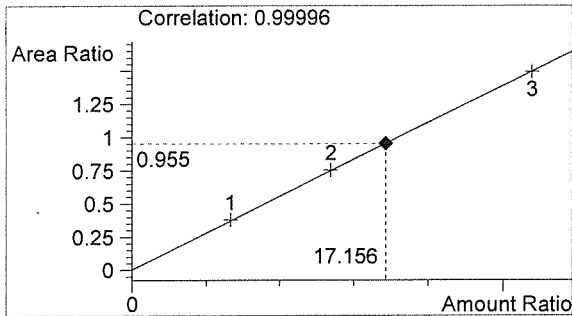
Location: Vial 8

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

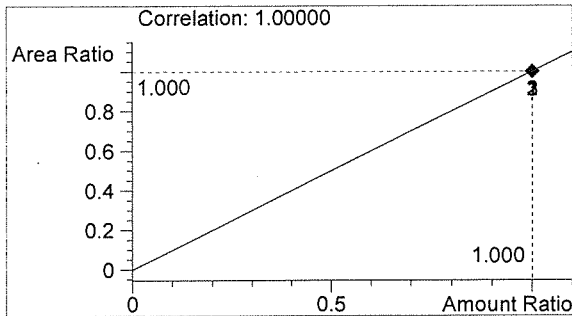
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	2645	1.095
2	n-Propanol	2769	1.758



Ethanol 0.206 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

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Inj. Date: 12/7/2015 11:04:26 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

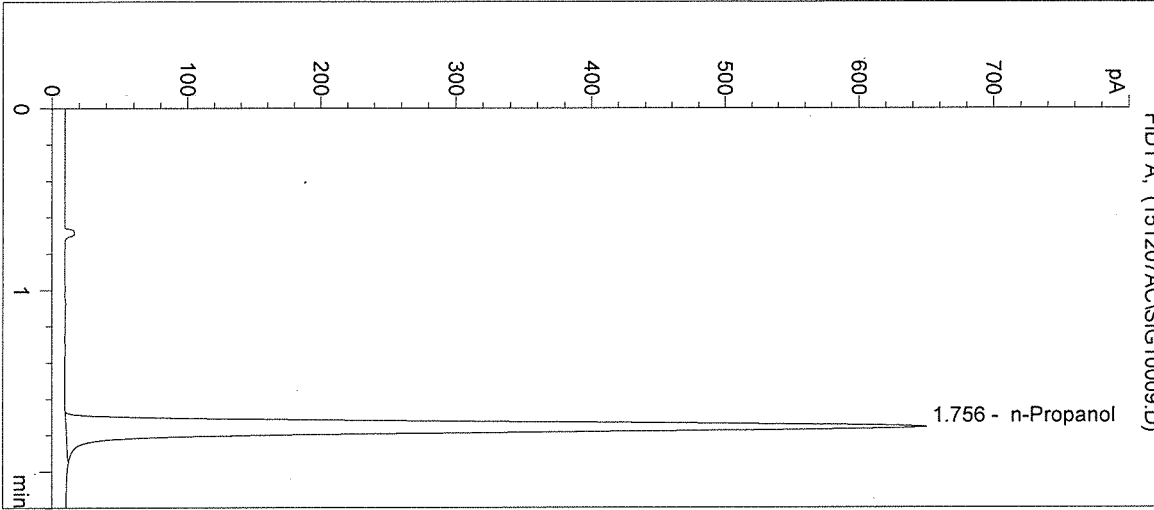
Operator: Amanda Chandler

Column: DB-ALC1

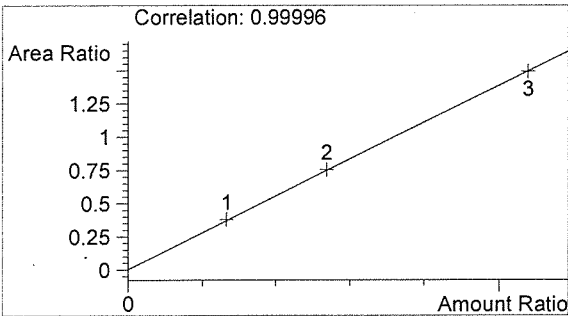
Location: Vial 9

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

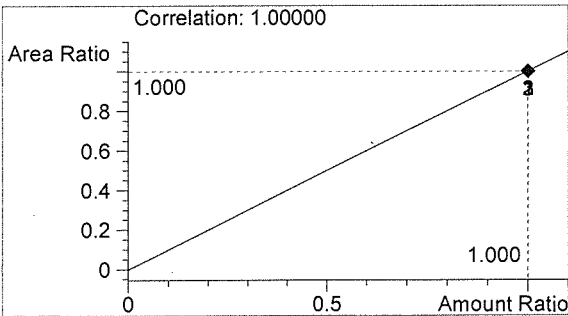
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2516	1.756



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Handwritten initials 'AZ'

Inj. Date: 12/7/2015 11:07:39 AM

Sample Name: 15057-1

Instrument: HSGC#1

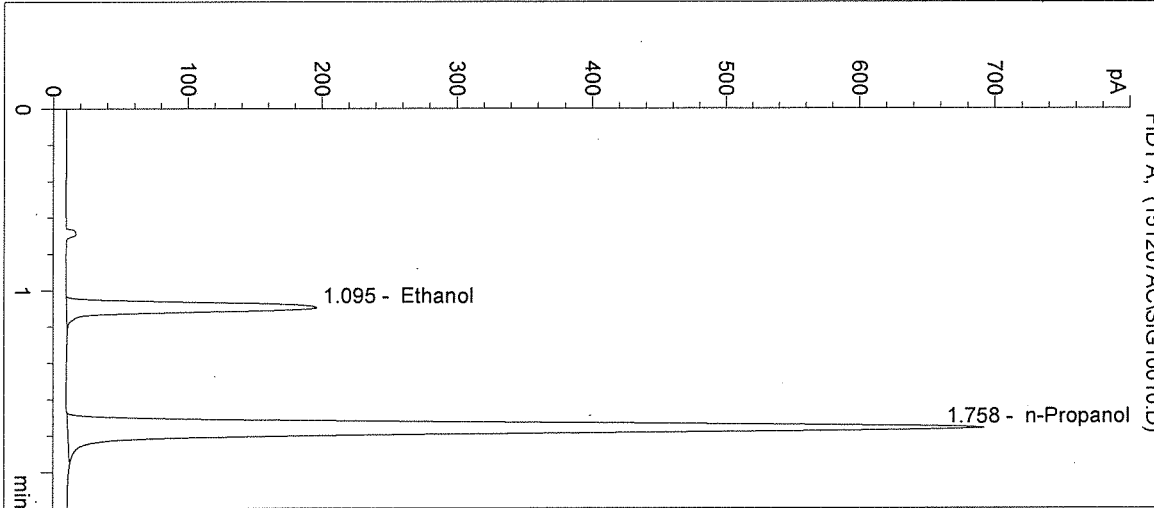
Operator: Amanda Chandler

Column: DB-ALC1

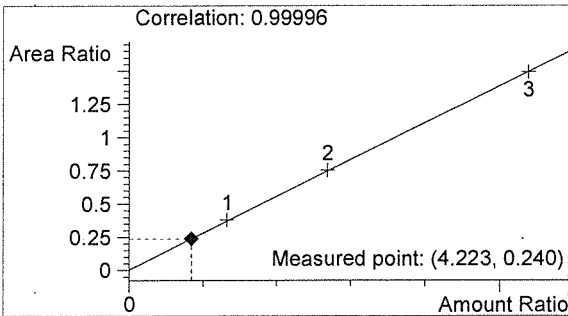
Location: Vial 10

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

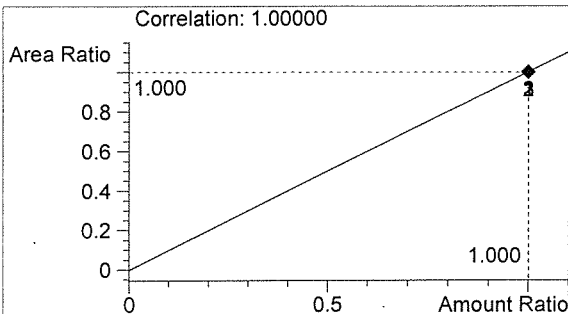
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	646	1.095
2	n-Propanol	2692	1.758



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

AR

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

Inj. Date: 12/7/2015 11:10:52 AM

Sample Name: 15057-2

Instrument: HSGC#1

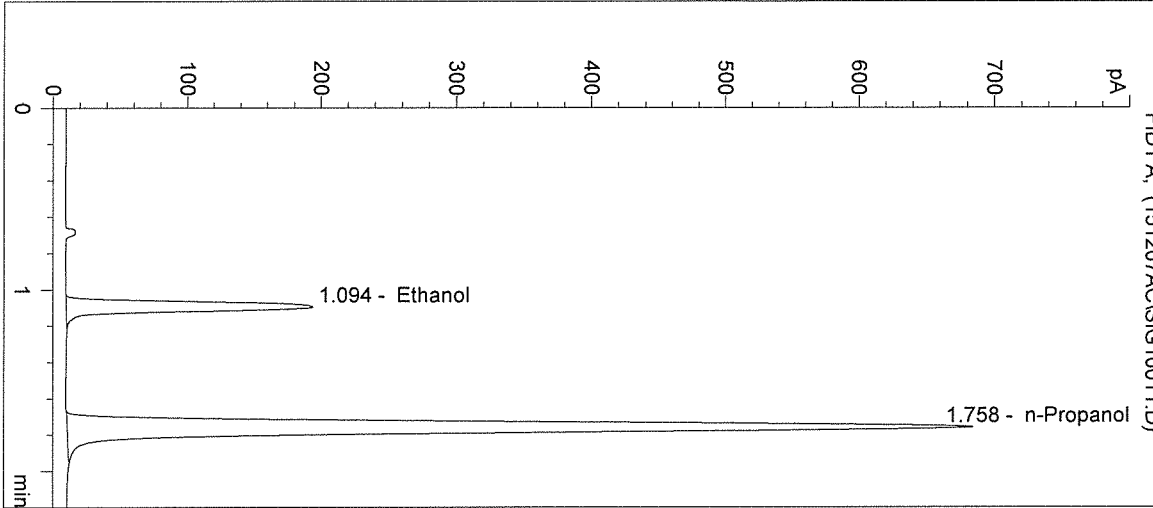
Operator: Amanda Chandler

Column: DB-ALC1

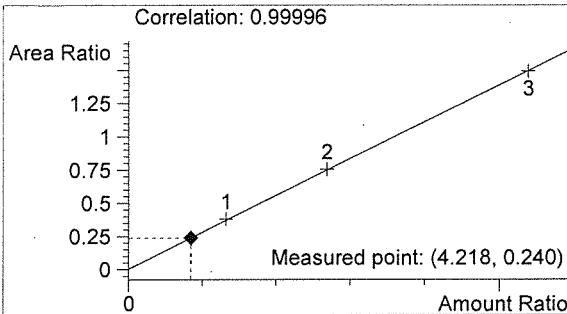
Location: Vial 11

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

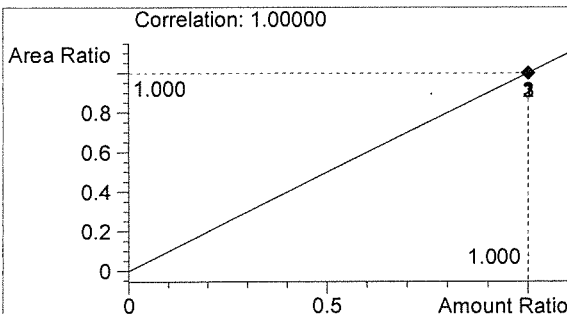
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	637	1.094
2	n-Propanol	2661	1.758



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

fn

AR

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

Inj. Date: 12/7/2015 11:14:05 AM

Sample Name: 15057-3

Instrument: HSGC#1

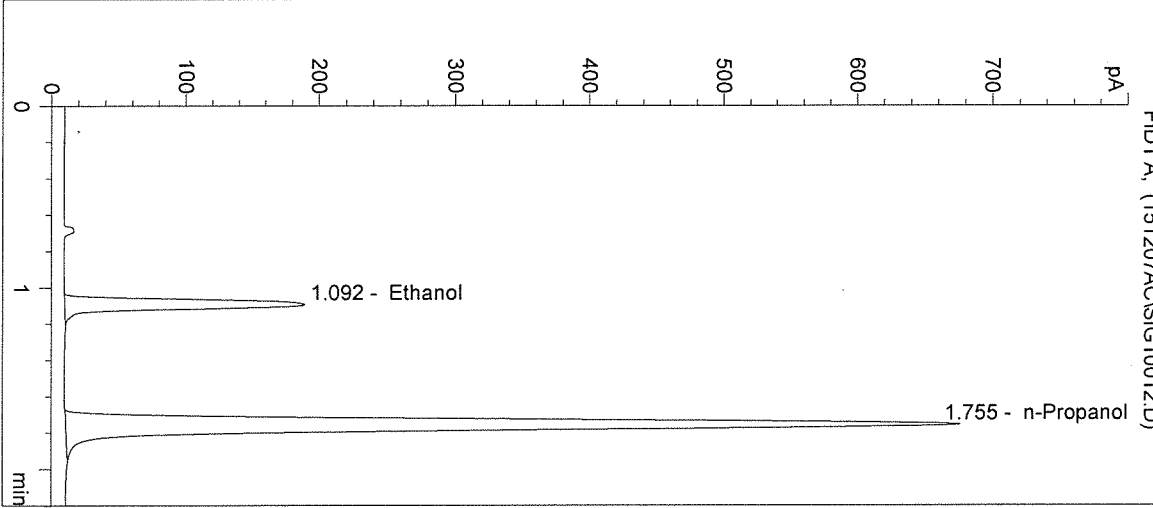
Operator: Amanda Chandler

Column: DB-ALC1

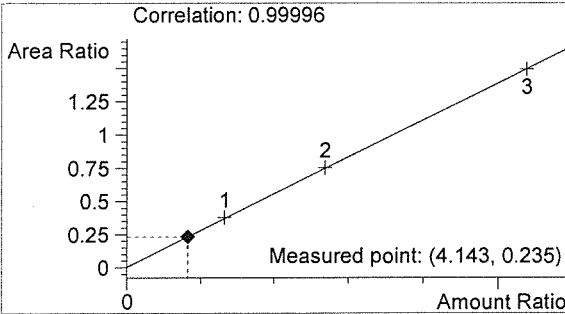
Location: Vial 12

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

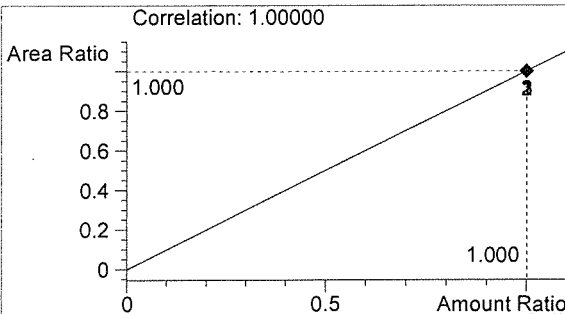
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	615	1.092
2	n-Propanol	2611	1.755



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials 'AR'

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

Inj. Date: 12/7/2015 11:17:18 AM

Sample Name: 15057-4

Instrument: HSGC#1

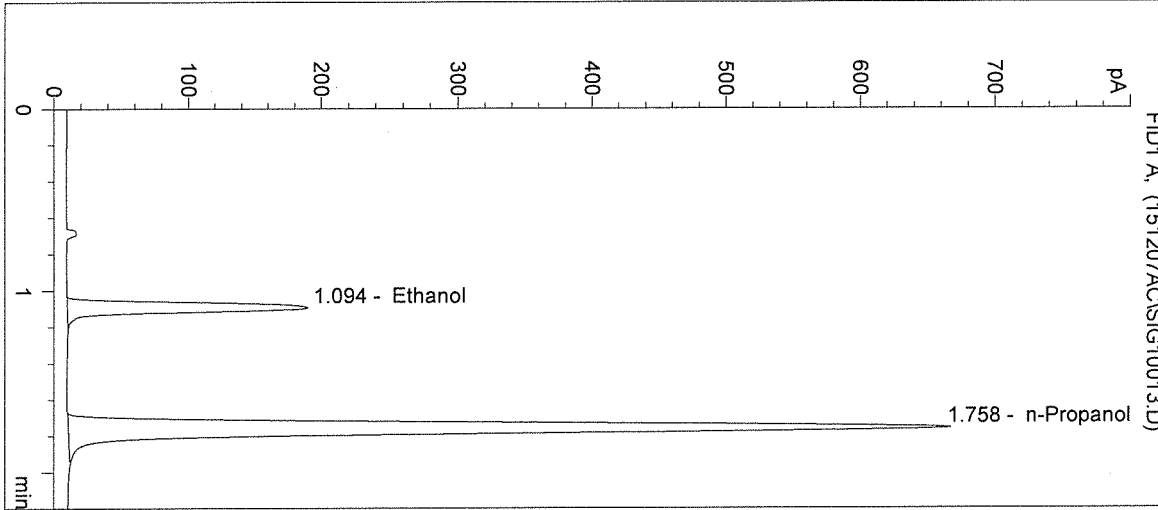
Operator: Amanda Chandler

Column: DB-ALC1

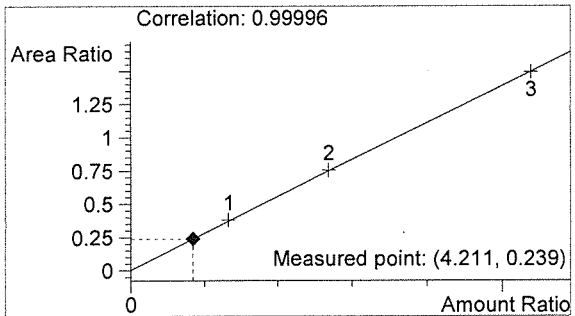
Location: Vial 13

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

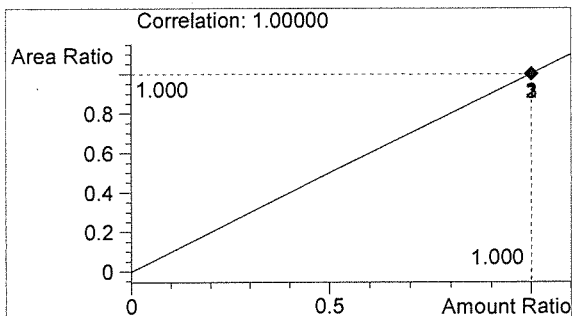
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	618	1.094
2	n-Propanol	2585	1.758



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/7/2015 11:20:32 AM

Sample Name: 15057-5

Instrument: HSGC#1

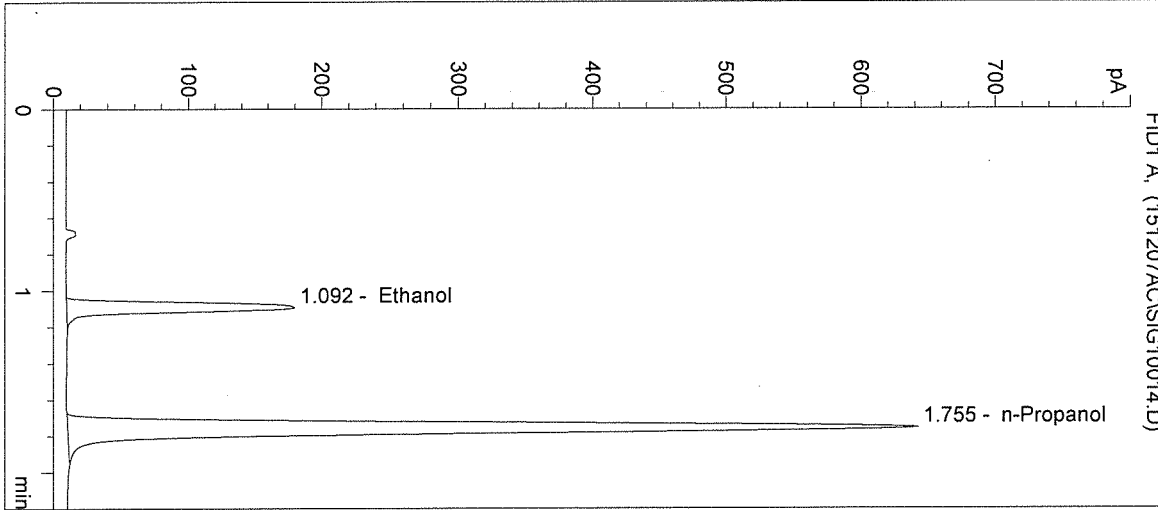
Operator: Amanda Chandler

Column: DB-ALC1

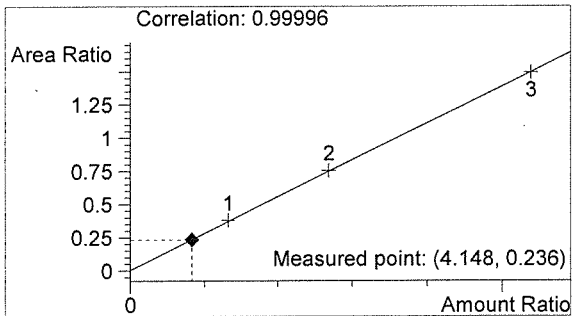
Location: Vial 14

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

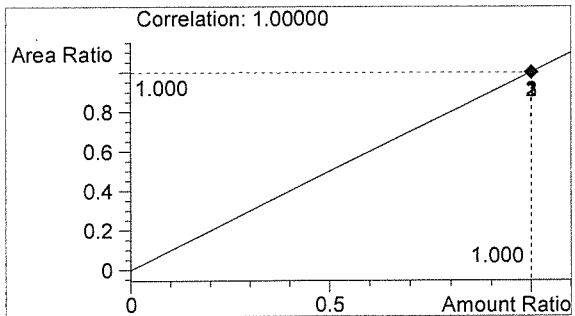
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	586	1.092
2	n-Propanol	2485	1.755



Ethanol 0.050 g/100mL



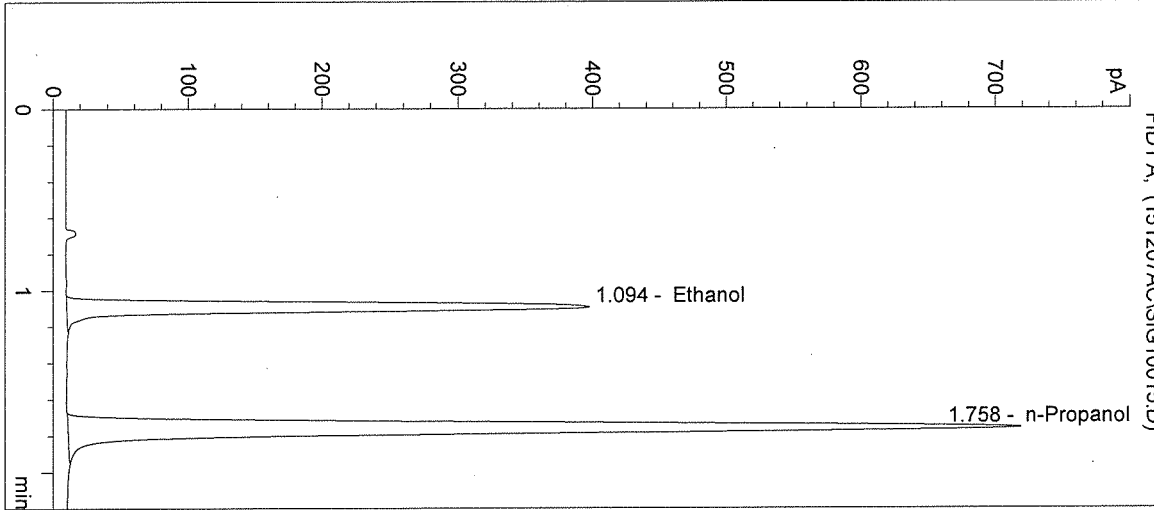
n-Propanol 0.012 g/100mL

Handwritten signature

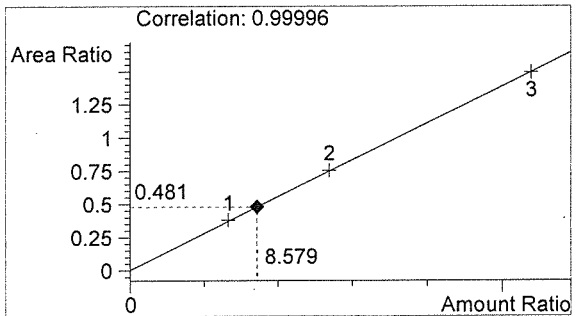
Handwritten initials 'AR'

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

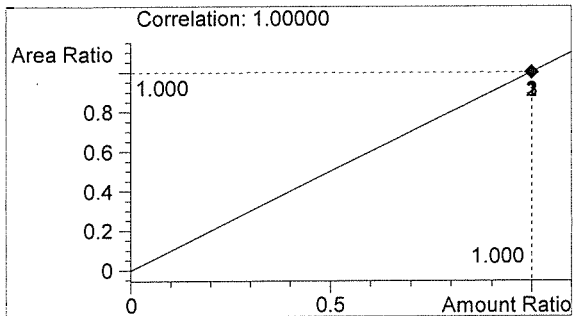
Inj. Date: 12/7/2015 11:23:44 AM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 15
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1347	1.094
2	n-Propanol	2801	1.758



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials AR

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

Inj. Date: 12/7/2015 11:26:58 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

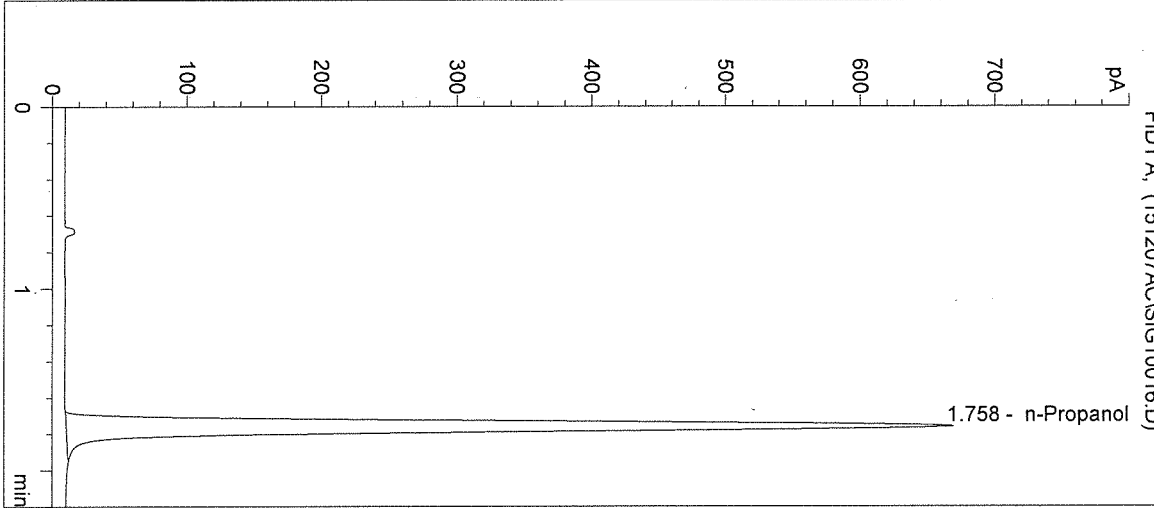
Operator: Amanda Chandler

Column: DB-ALC1

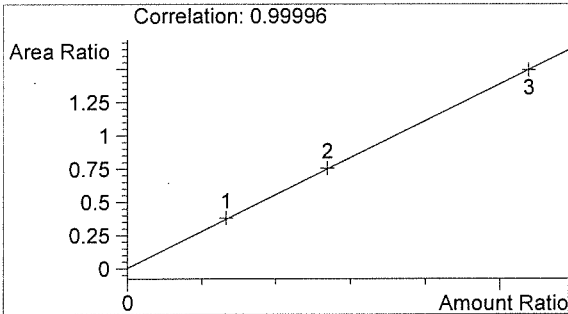
Location: Vial 16

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

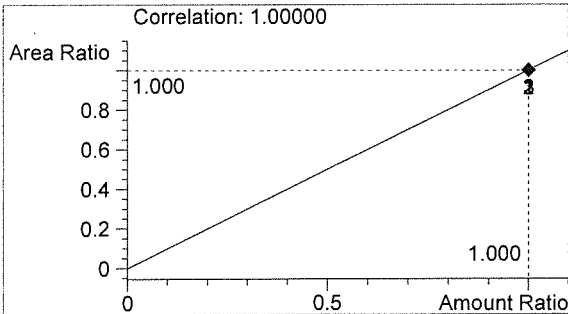
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2599	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials AR

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: 151208E2
 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):

15057
12/15/16

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		

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		

EW

Sequence Table (Back Injector):

No entries - empty table!

15057
S 2/25/16
2/26/16

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

Calib. Data Modified : Tuesday, December 08, 2015 1:01:07 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 [g/100mL]	Name
1	1.20000e-2	n-Propanol

15057

Jan 15/16

Signal 1: FID1 A,

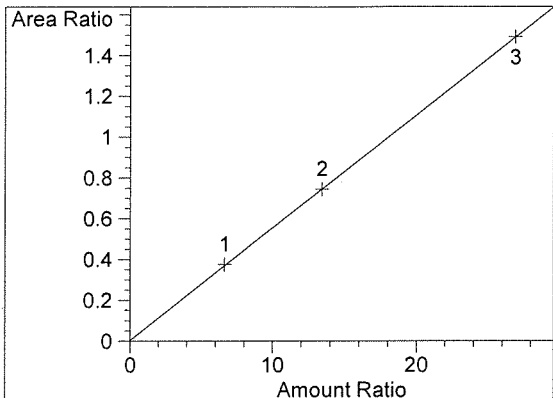
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.088	1 1	7.96600e-2	910.64850	8.74761e-5	1 Ethanol
		1.61370e-1	1796.48096	8.98256e-5	
		3.22930e-1	3729.46021	8.65889e-5	
1.753	1 1	1.20000e-2	2423.13525	4.95226e-6	I1 n-Propanol
		1.20000e-2	2410.25635	4.97872e-6	
		1.20000e-2	2502.59839	4.79502e-6	

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

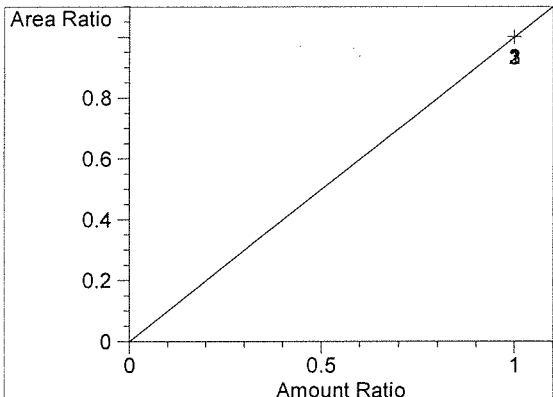
No Entries in table
 =====

EW

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



Ethanol at exp. RT: 1.088
FID1 A,
Correlation: 0.99998 ✓
Residual Std. Dev.: 0.00468
Formula: $y = mx + b$
m: 5.52740e-2
b: 3.42607e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.753
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

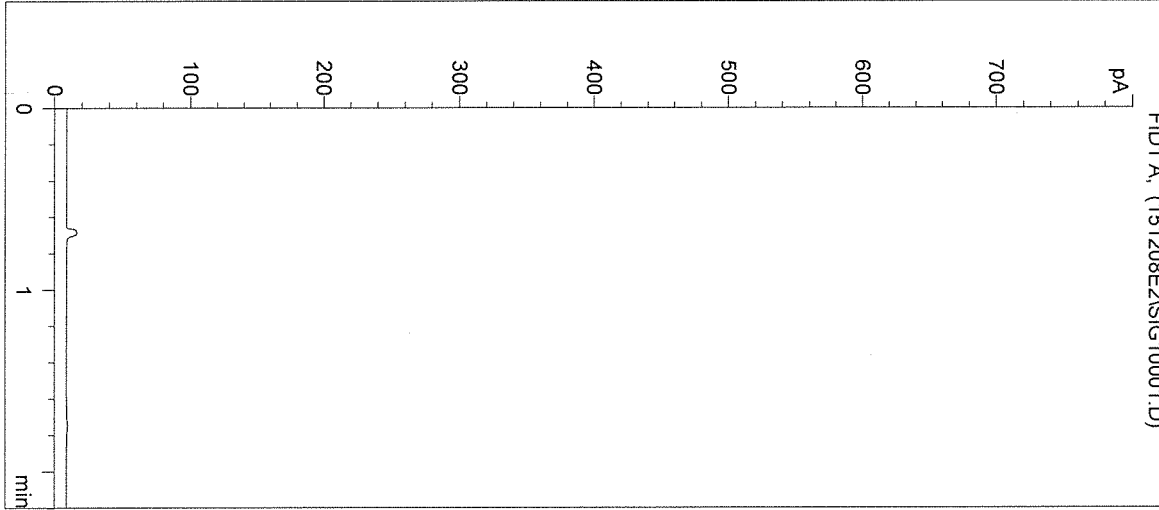
=====
15057

1/21/16

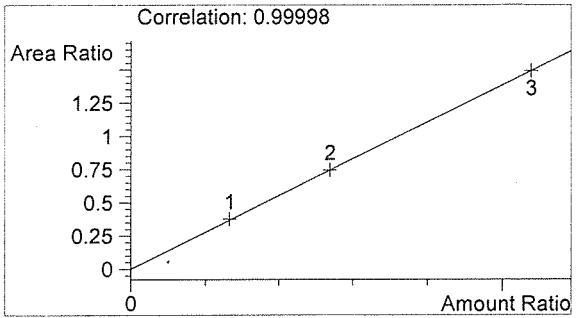
EW

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

Inj. Date: 12/8/2015 12:49:01 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15057

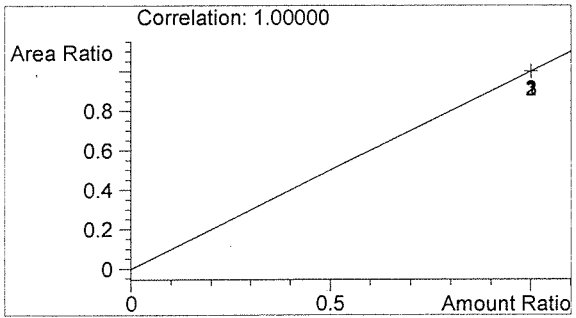


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

EW



n-Propanol 0.000 g/100mL

EW

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

Inj. Date: 12/8/2015 12:52:19 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

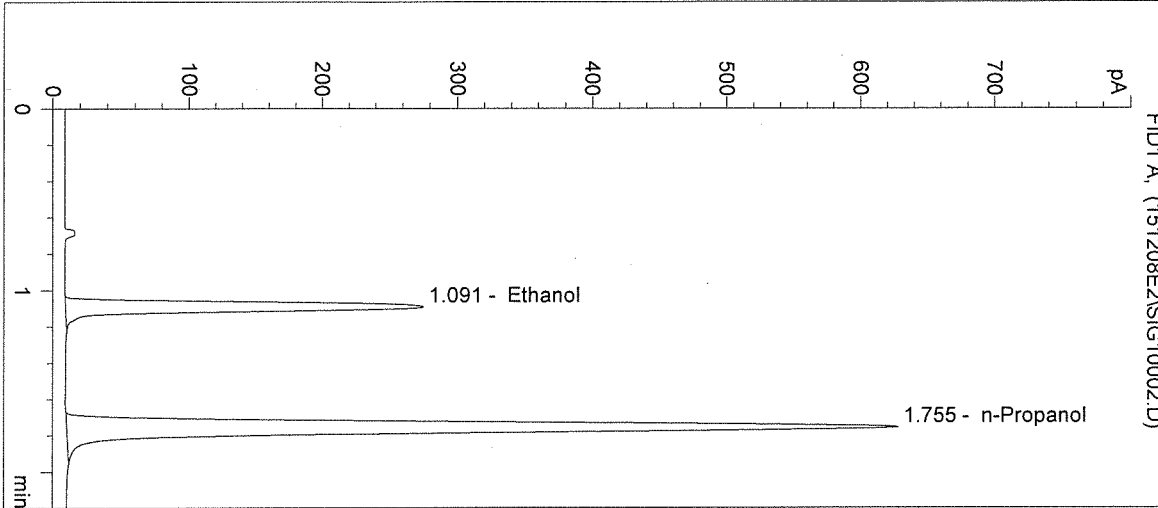
Operator: Elizabeth Wehner

Column: DB-ALC1

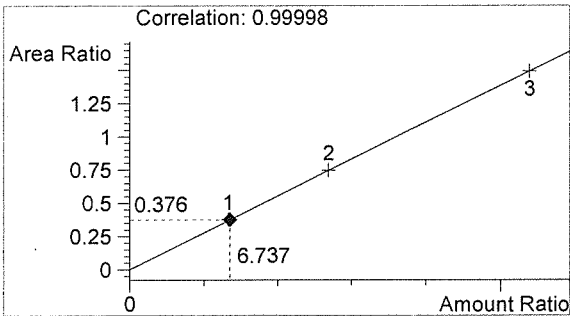
Location: Vial 2

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

Sample Info: 15057

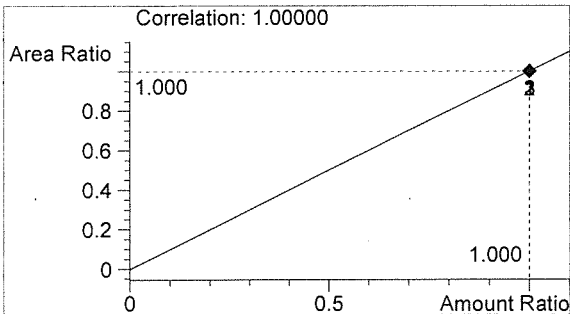


#	Compound	Peak Area	RT (min)
1	Ethanol	911	1.091
2	n-Propanol	2423	1.755



Ethanol 0.081 g/100mL

EW



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 12/8/2015 12:55:36 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

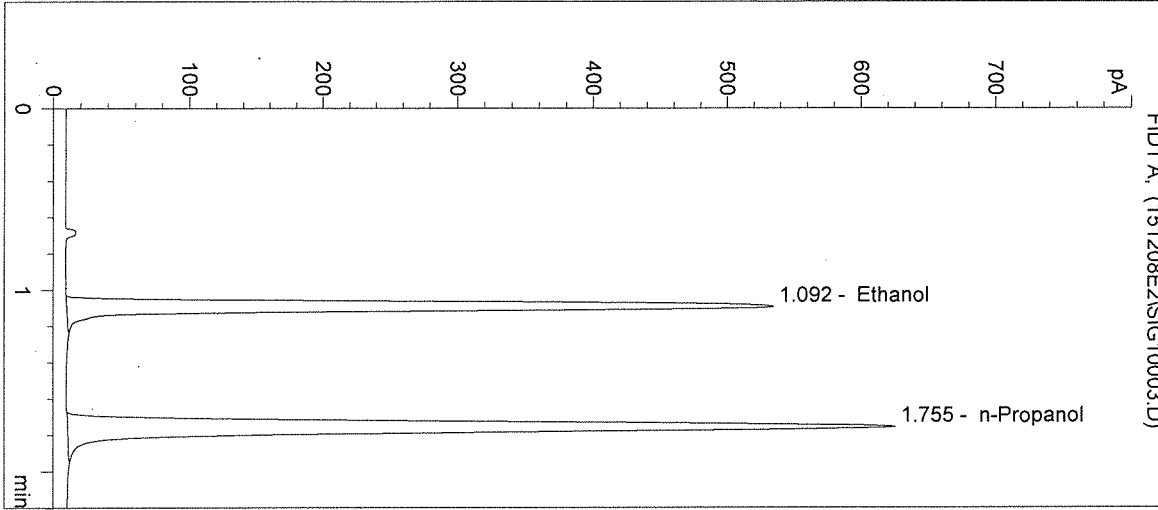
Operator: Elizabeth Wehner

Column: DB-ALC1

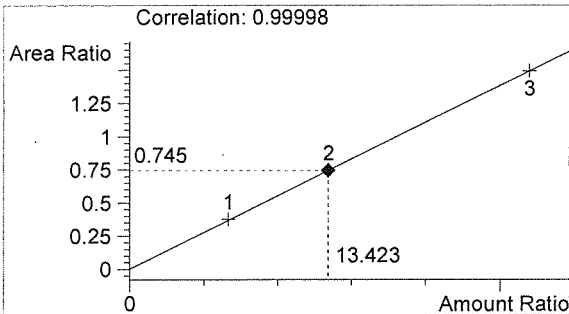
Location: Vial 3

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

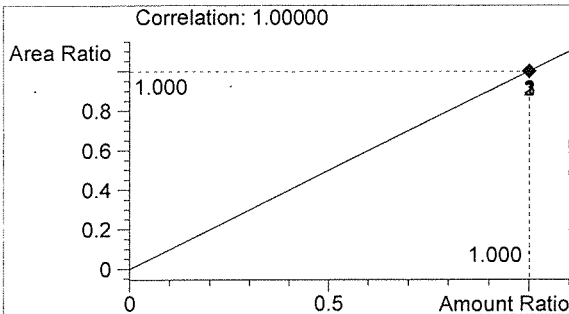
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1796	1.092
2	n-Propanol	2410	1.755



Ethanol 0.161 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

EW

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

Inj. Date: 12/8/2015 12:58:54 PM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

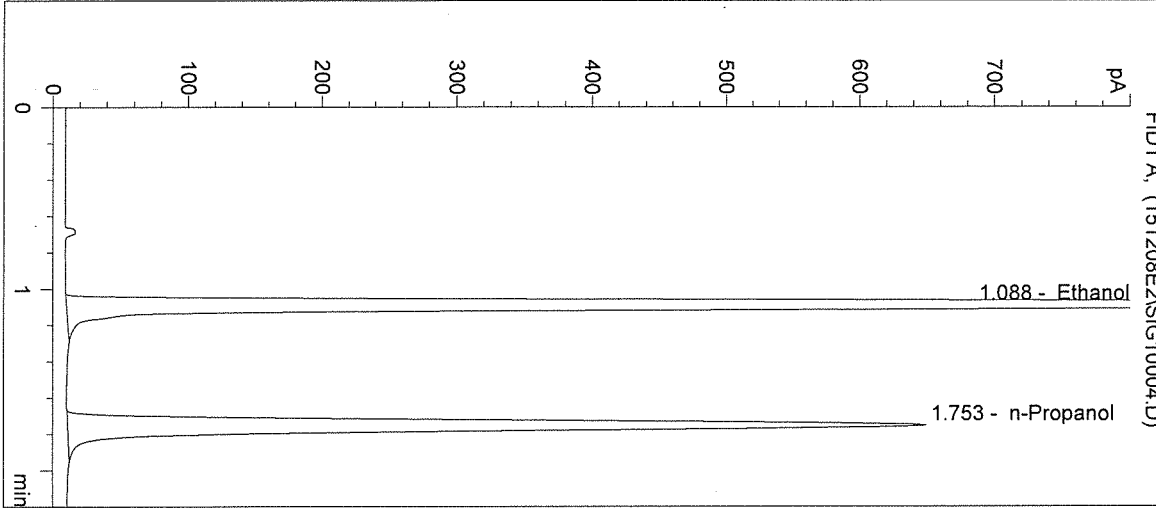
Operator: Elizabeth Wehner

Column: DB-ALC1

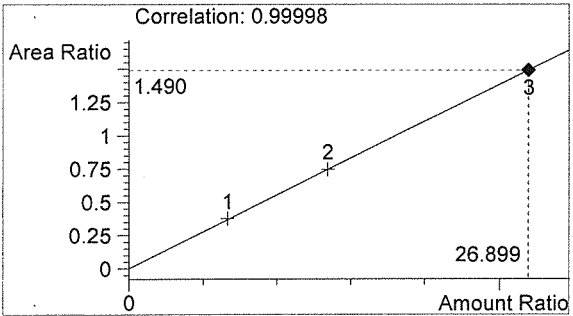
Location: Vial 4

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

Sample Info: 15057

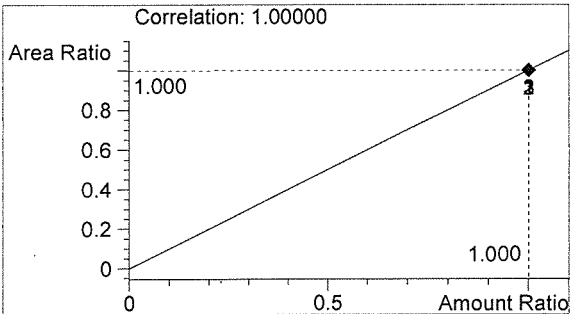


#	Compound	Peak Area	RT (min)
1	Ethanol	3729	1.088
2	n-Propanol	2503	1.753



Ethanol 0.323 g/100mL

EW



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 12/8/2015 1:02:07 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

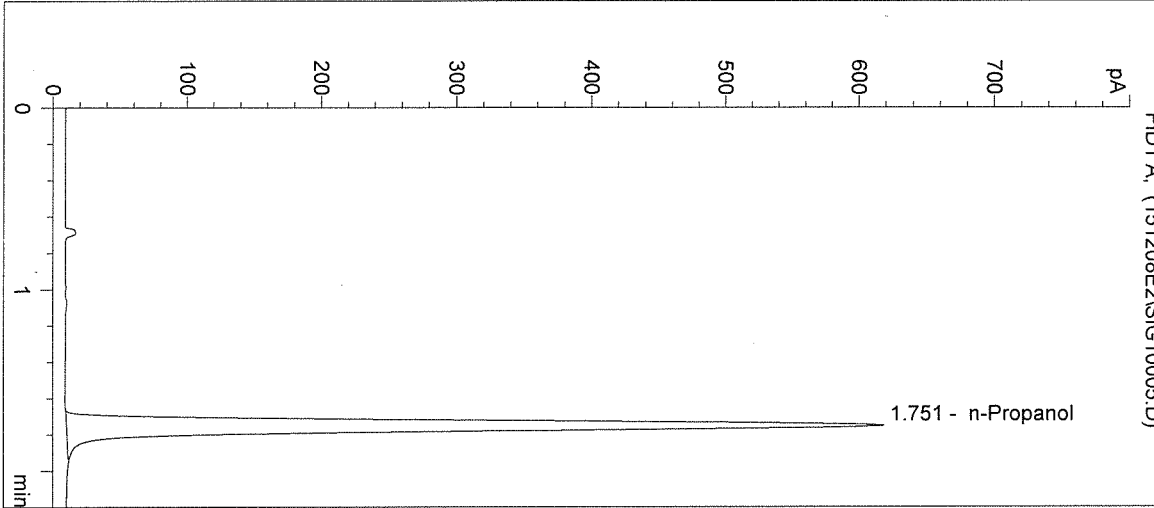
Operator: Elizabeth Wehner

Column: DB-ALC1

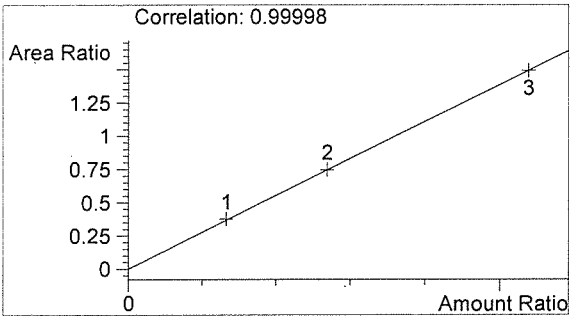
Location: Vial 5

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

Sample Info: 15057

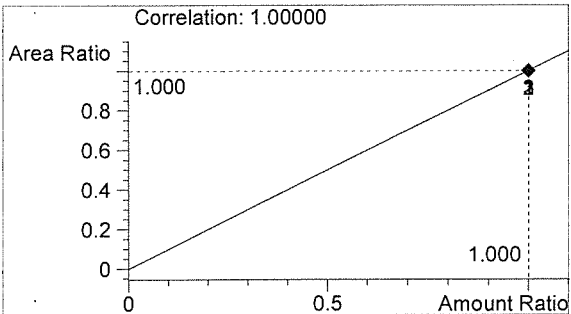


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2386	1.751



Ethanol 0.000 g/100mL

LT



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 12/8/2015 1:05:20 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

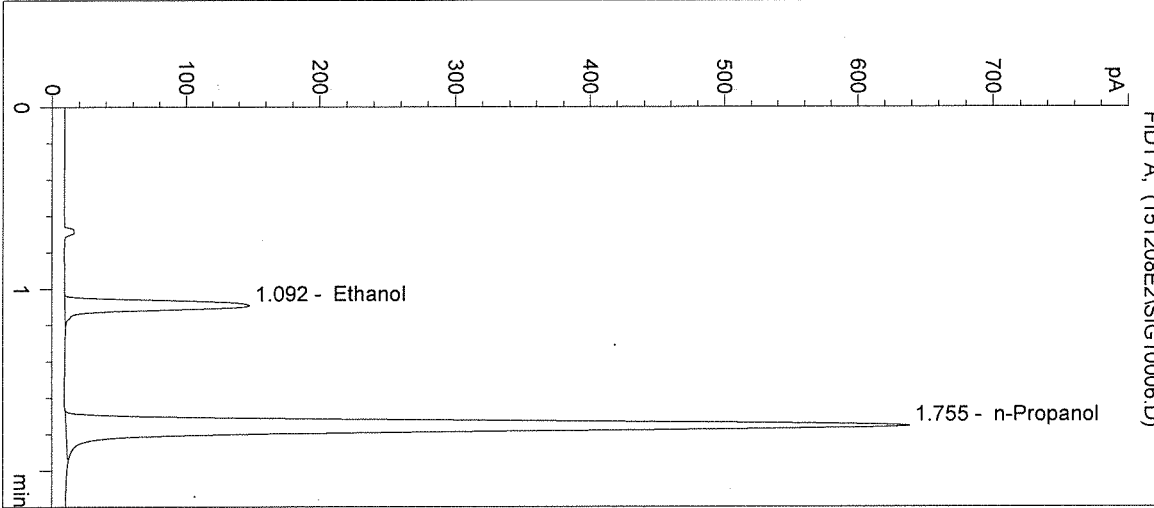
Operator: Elizabeth Wehner

Column: DB-ALC1

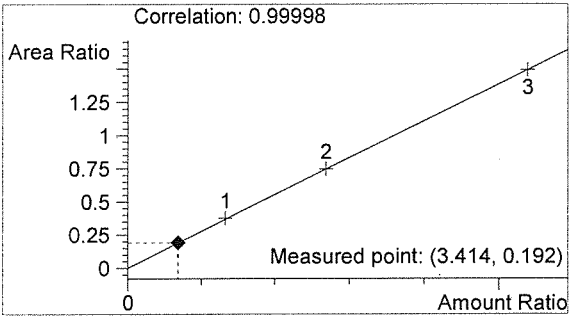
Location: Vial 6

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

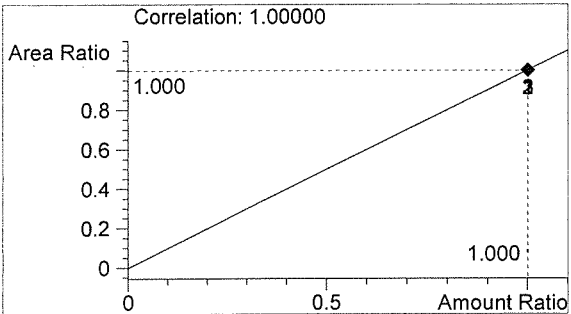
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	473	1.092
2	n-Propanol	2461	1.755



Ethanol 0.041 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 1:08:33 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

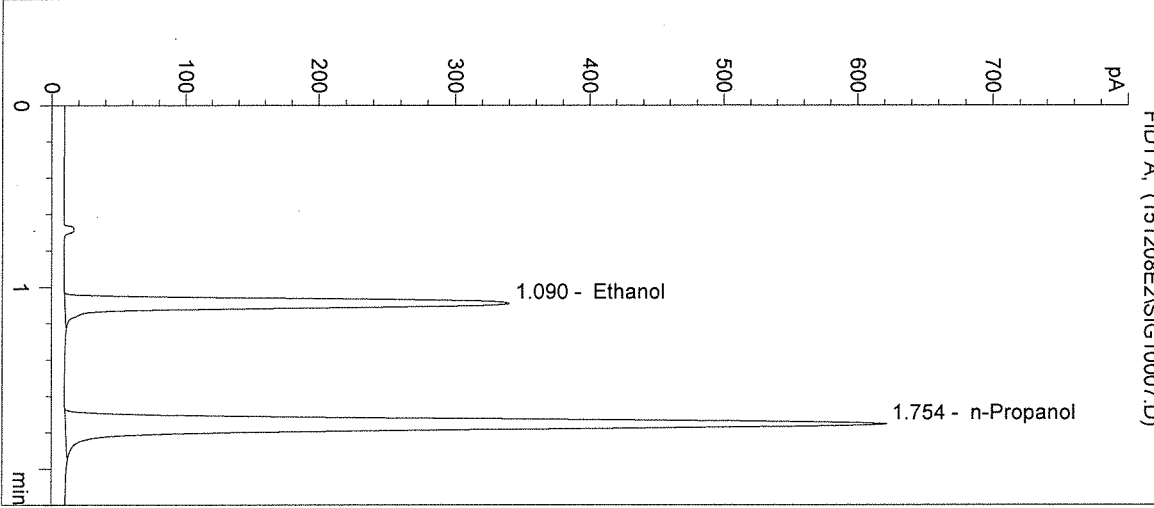
Operator: Elizabeth Wehner

Column: DB-ALC1

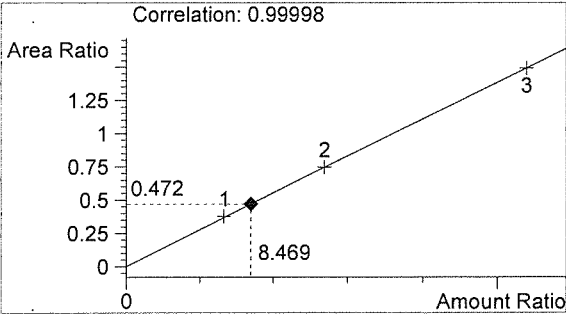
Location: Vial 7

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

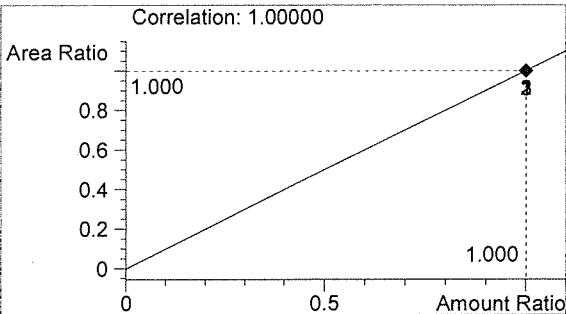
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1129	1.090
2	n-Propanol	2394	1.754



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 1:11:47 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

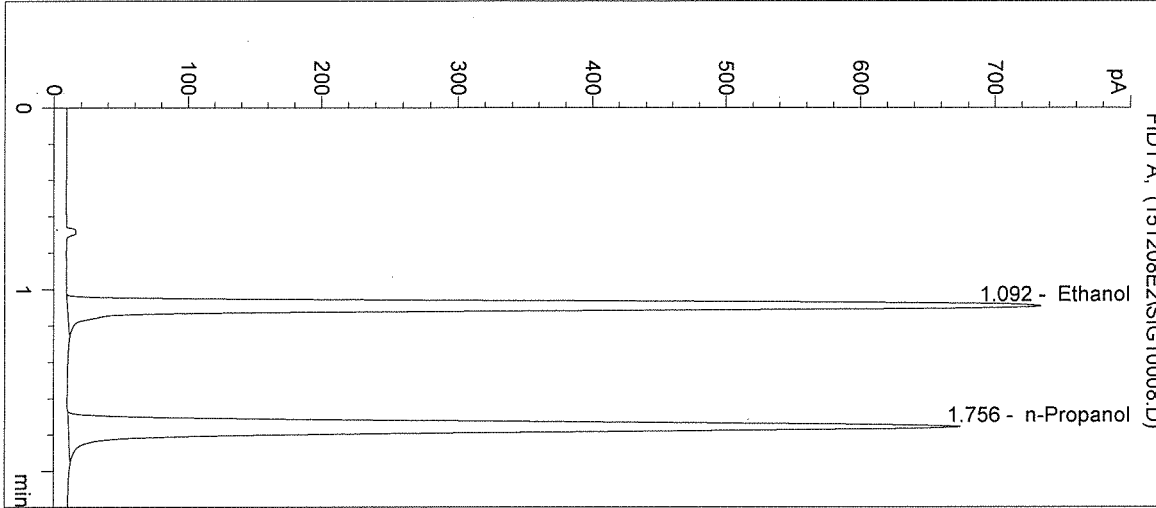
Operator: Elizabeth Wehner

Column: DB-ALC1

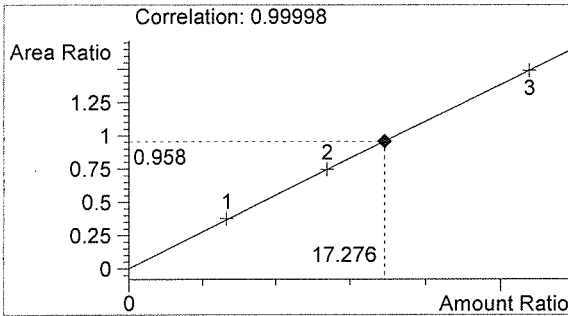
Location: Vial 8

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

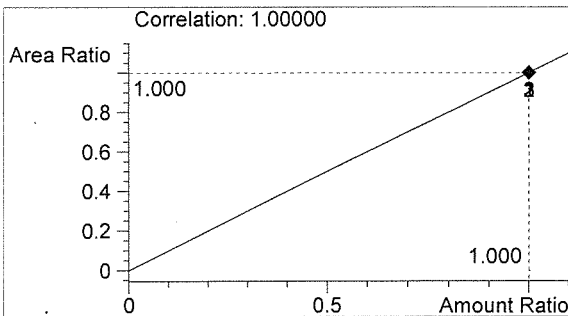
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	2496	1.092
2	n-Propanol	2605	1.756



Ethanol 0.207 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 1:15:00 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

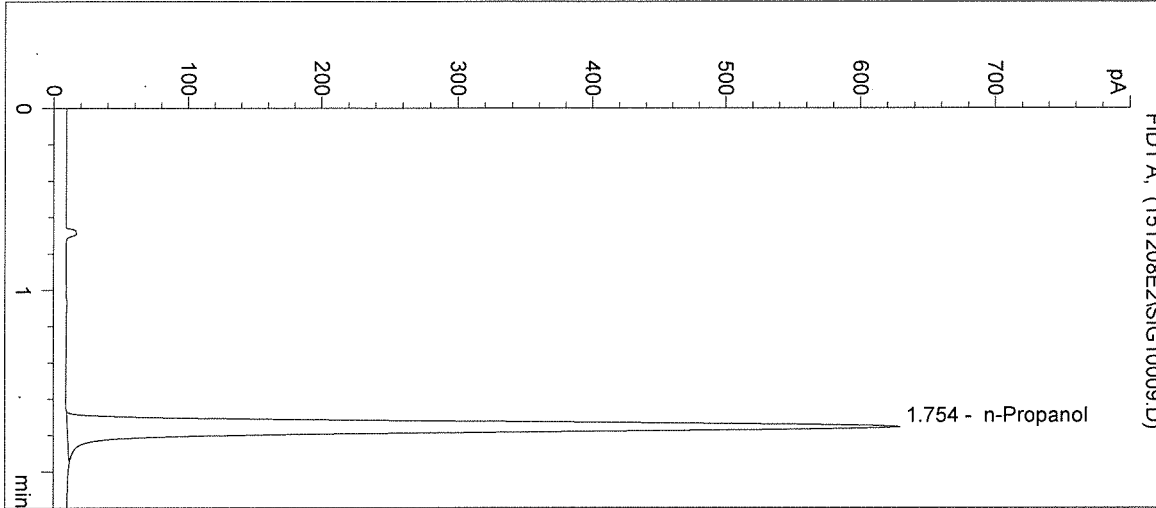
Operator: Elizabeth Wehner

Column: DB-ALC1

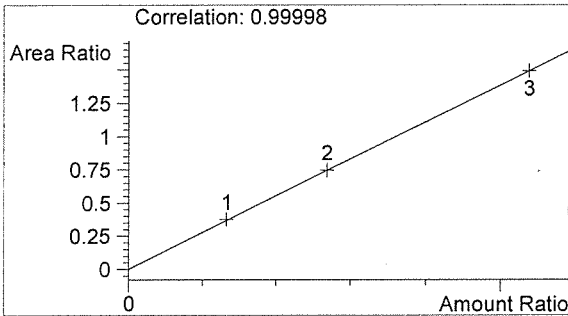
Location: Vial 9

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

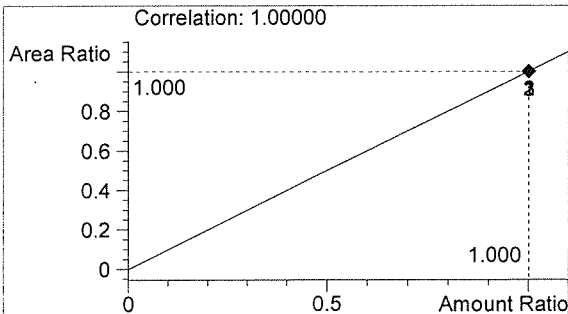
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2425	1.754



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 1:18:13 PM

Sample Name: 15057-1

Instrument: HSGC#1

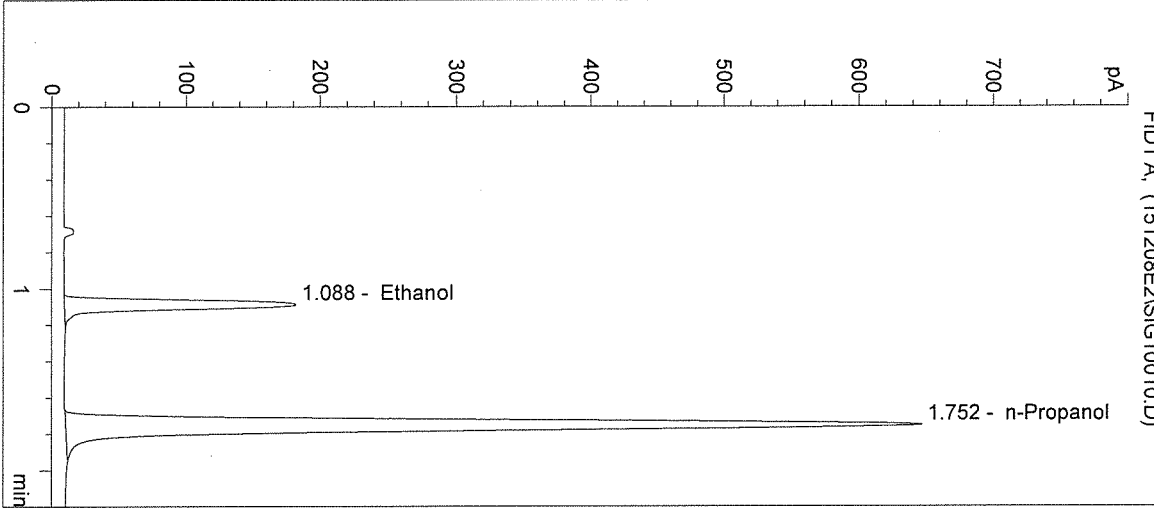
Operator: Elizabeth Wehner

Column: DB-ALC1

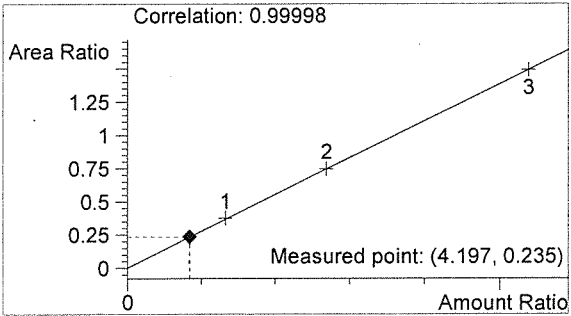
Location: Vial 10

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

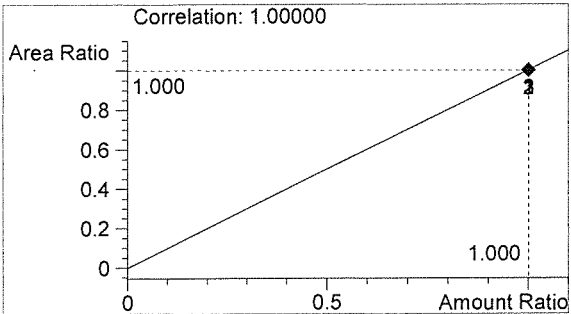
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	587	1.088
2	n-Propanol	2492	1.752



Ethanol 0.050 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 1:21:26 PM

Sample Name: 15057-2

Instrument: HSGC#1

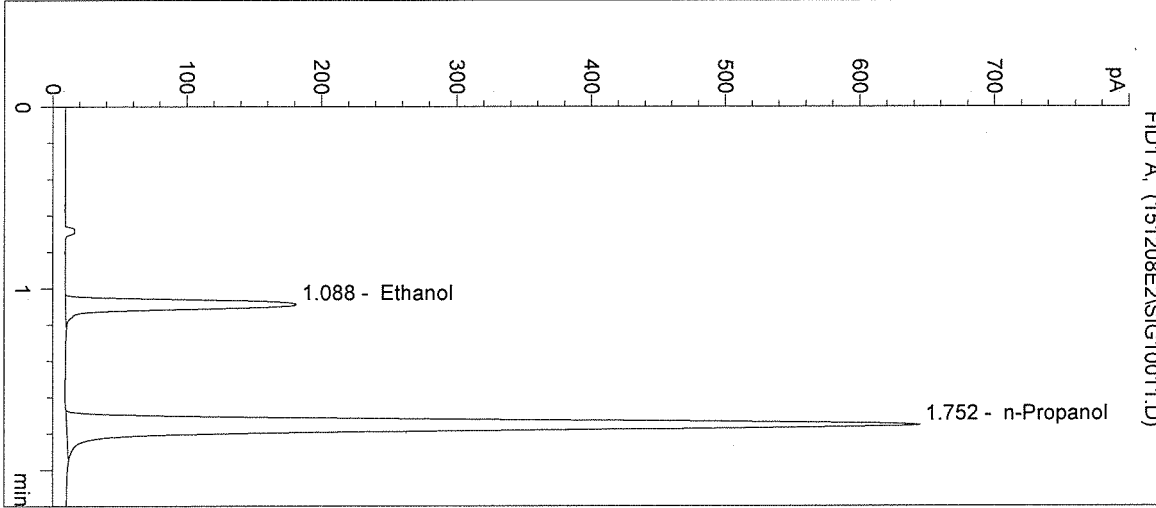
Operator: Elizabeth Wehner

Column: DB-ALC1

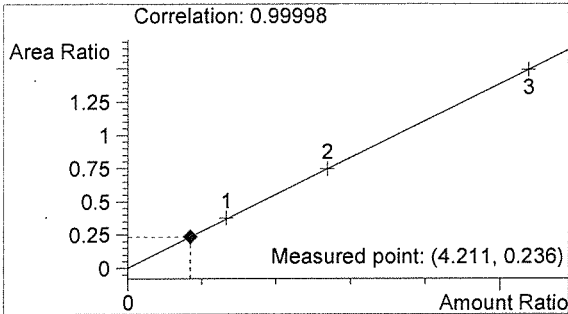
Location: Vial 11

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

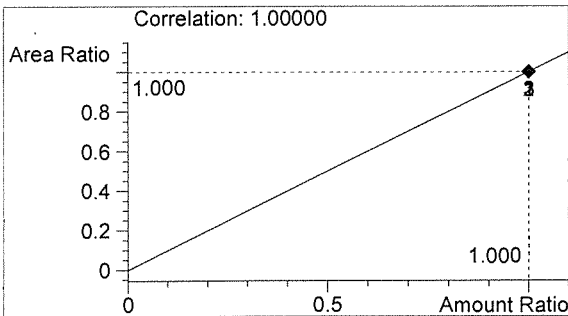
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	586	1.088
2	n-Propanol	2482	1.752



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

EW

EW

Inj. Date: 12/8/2015 1:24:39 PM

Sample Name: 15057-3

Instrument: HSGC#1

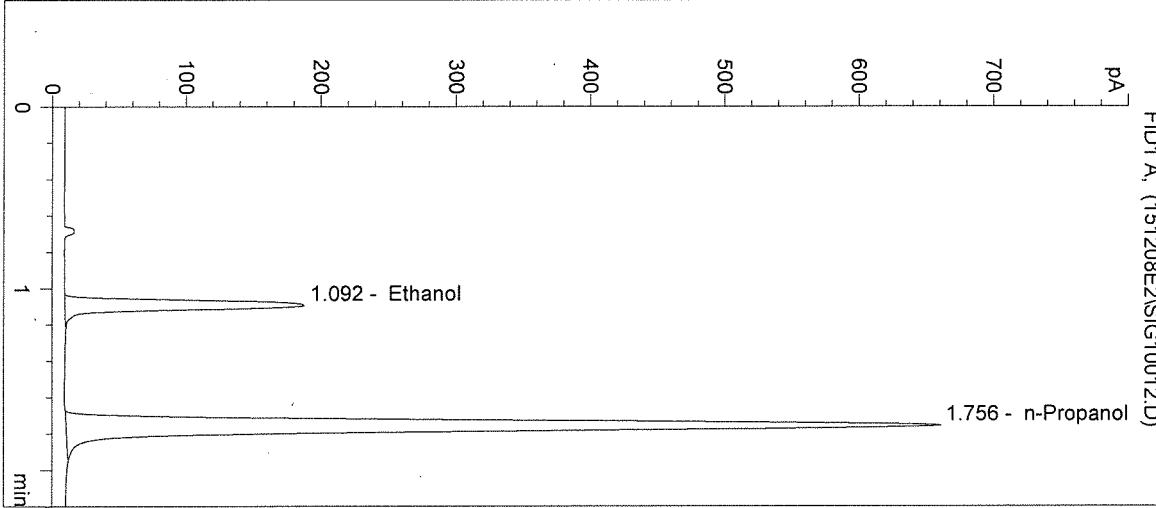
Operator: Elizabeth Wehner

Column: DB-ALC1

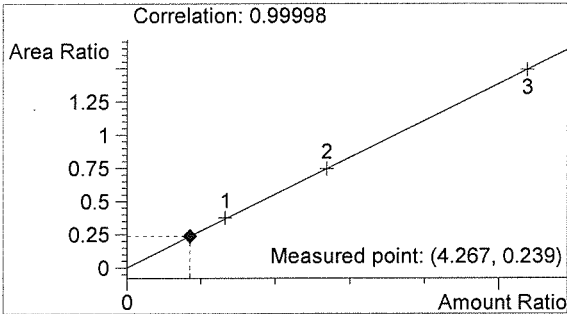
Location: Vial 12

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

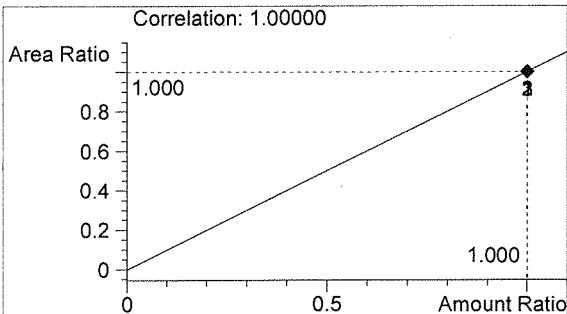
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	611	1.092
2	n-Propanol	2554	1.756



Ethanol 0.051 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 1:27:53 PM

Sample Name: 15057-4

Instrument: HSGC#1

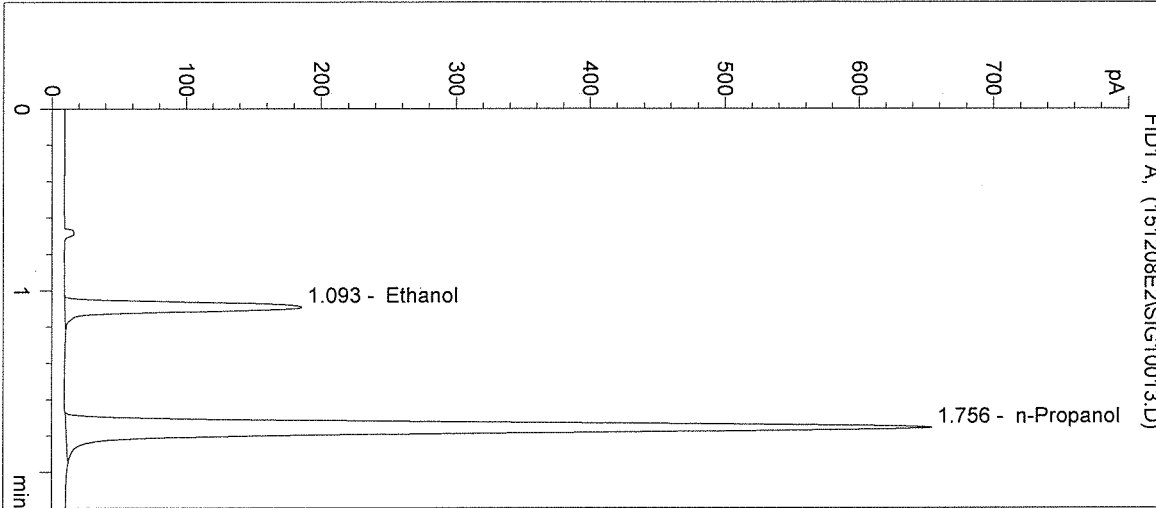
Operator: Elizabeth Wehner

Column: DB-ALC1

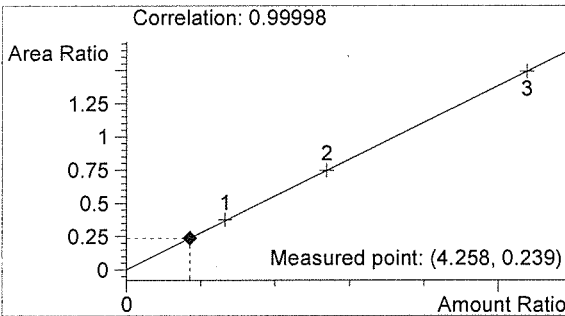
Location: Vial 13

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

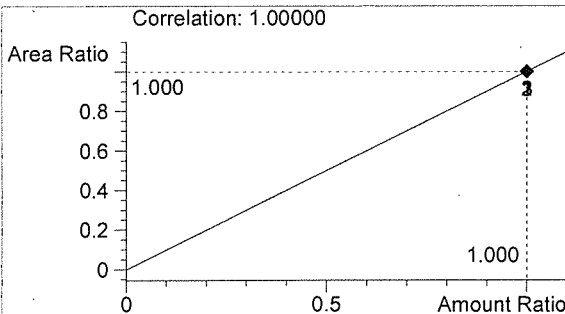
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	603	1.093
2	n-Propanol	2526	1.756



Ethanol 0.051 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 1:31:06 PM

Sample Name: 15057-5

Instrument: HSGC#1

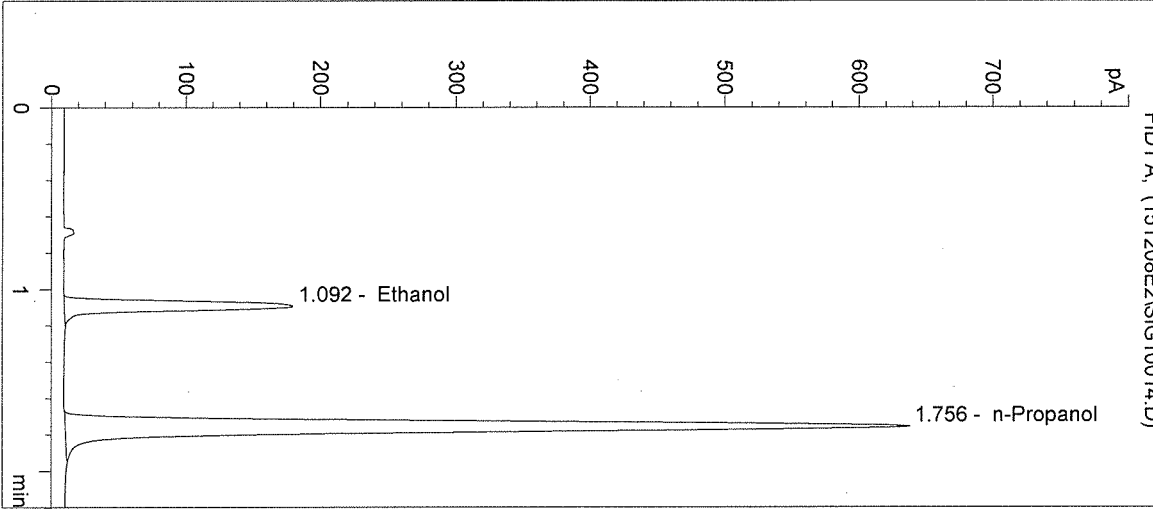
Operator: Elizabeth Wehner

Column: DB-ALC1

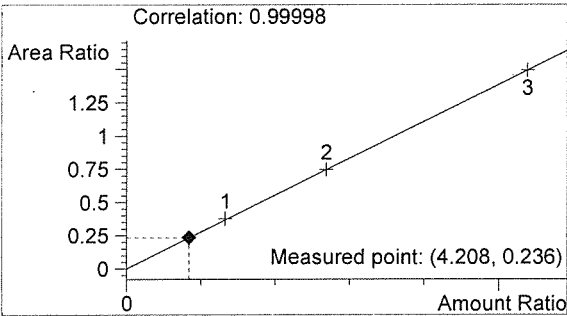
Location: Vial 14

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

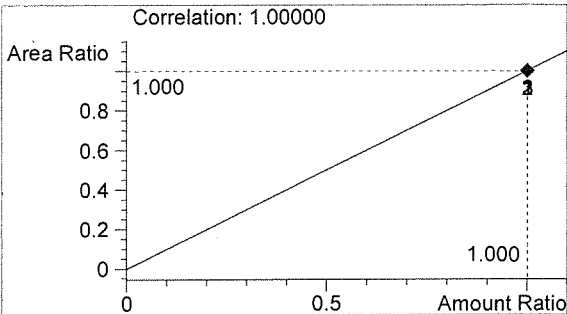
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	581	1.092
2	n-Propanol	2463	1.756



Ethanol 0.050 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 1:34:19 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

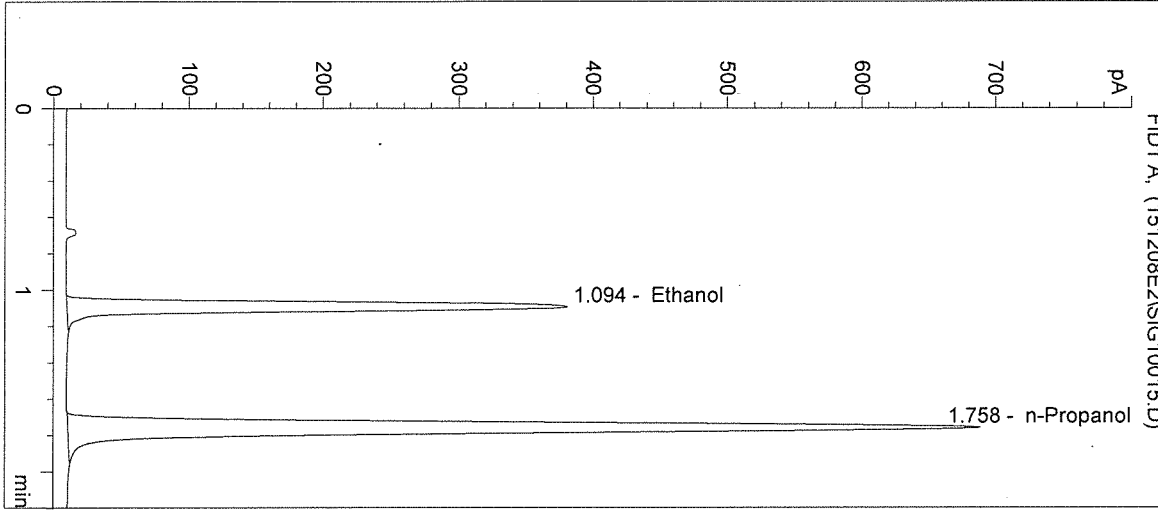
Operator: Elizabeth Wehner

Column: DB-ALC1

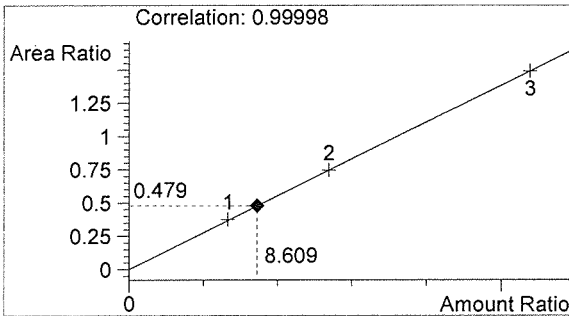
Location: Vial 15

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

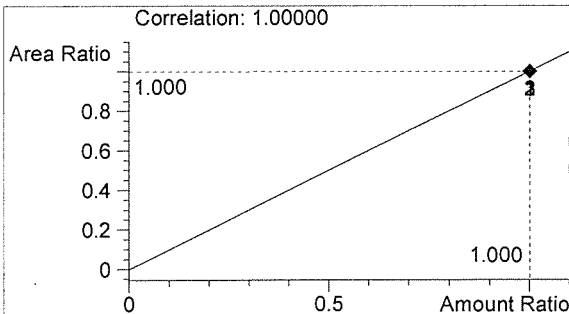
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1281	1.094
2	n-Propanol	2673	1.758



Ethanol 0.103 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 1:37:33 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

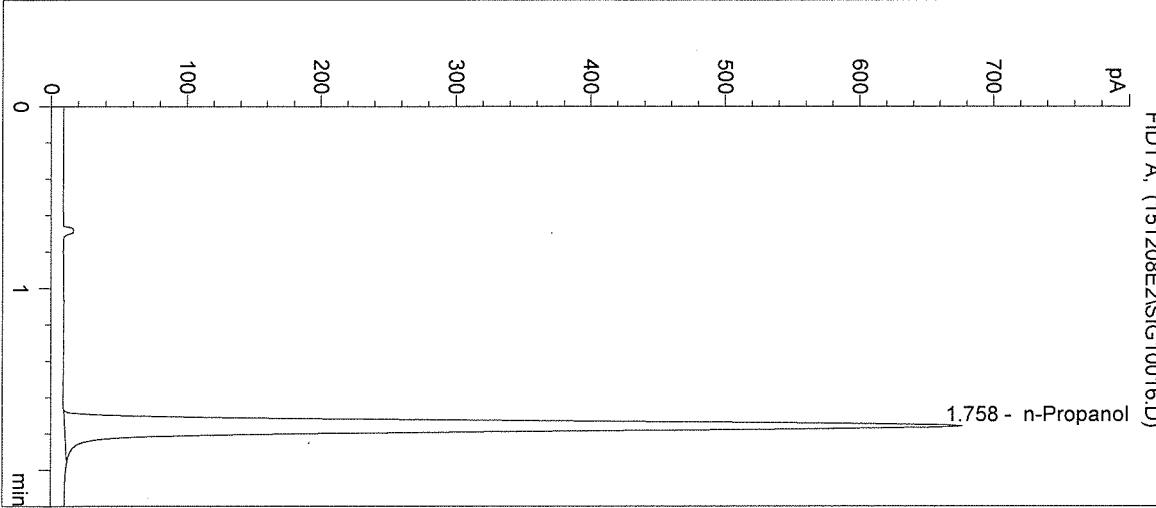
Operator: Elizabeth Wehner

Column: DB-ALC1

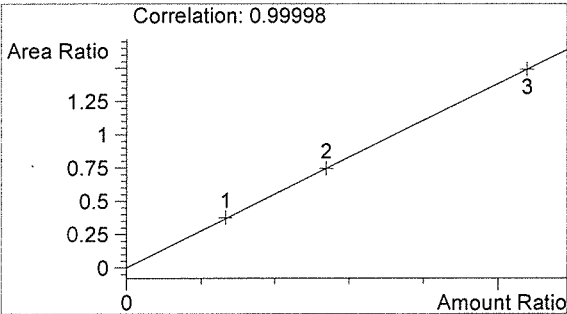
Location: Vial 16

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

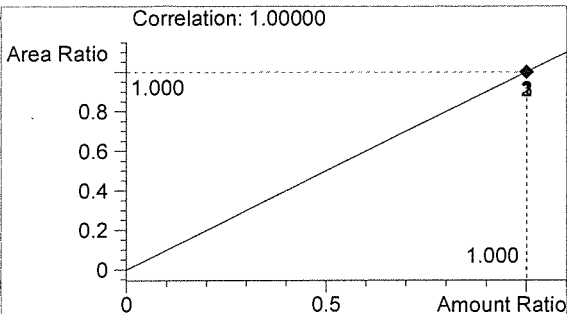
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2627	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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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		

15057

fn215116

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!

15057
Lu25716

56

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

EtOH Calibration

Calib. Data Modified : Monday, February 08, 2016 6:01:49 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
5	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp	Name
1.093	1 1	7.96600e-2	909.02435	8.76324e-5	5	Ethanol
		1.61370e-1	1857.65210	8.68677e-5		
		3.22930e-1	3642.73804	8.86503e-5		
1.757	1 1	1.20000e-2	2450.38452	4.89719e-6	I5	n-Propanol
		1.20000e-2	2483.98145	4.83095e-6		
		1.20000e-2	2457.97900	4.88206e-6		

15057

In 2/8/16

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

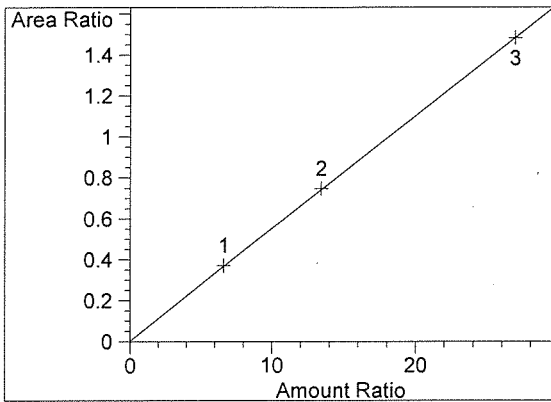
No Entries in table
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*wrong calibration printed 2/7/15.
Correct calibration printed 2/8/16.
AC 2/8/16*

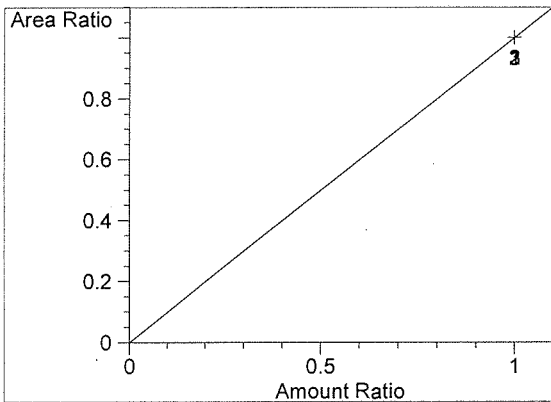
Andrew Congras
Christie Mitchell-Mata

AC

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



Ethanol at exp. RT: 1.093
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00455
Formula: $y = mx + b$
m: 5.50327e-2
b: 3.61923e-3
x: Amount Ratio
y: Area Ratio



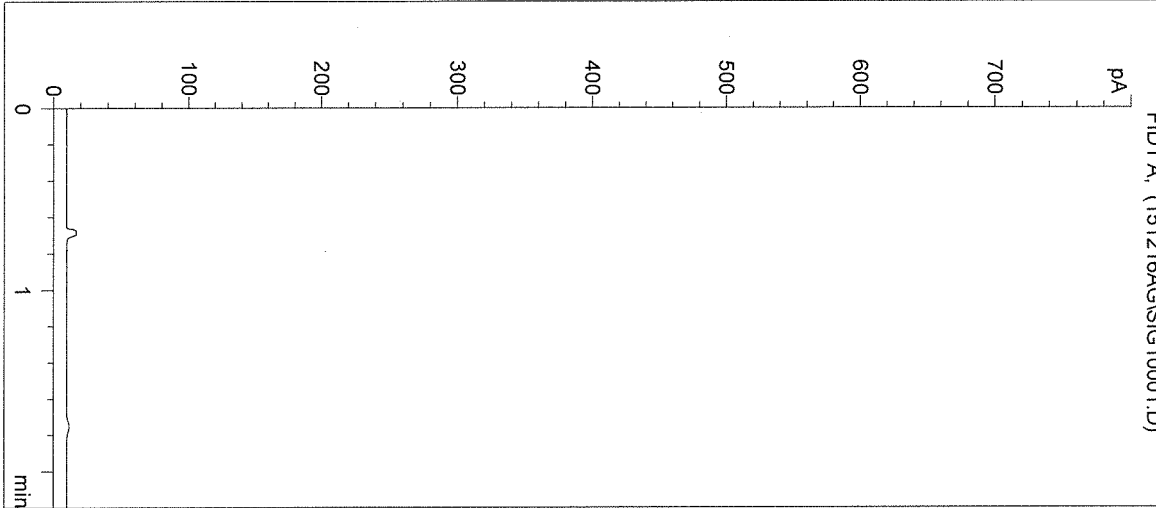
n-Propanol at exp. RT: 1.757
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

15057
Jn 2/8/16

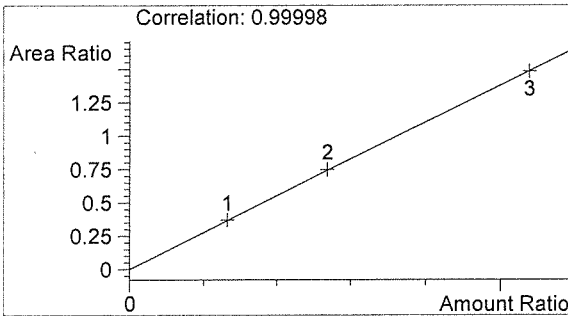
Andrew Congras *AC*
~~Christie Mitchell-Mata~~ 4/8/16

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2203 Airport Way S Seattle, WA 98134

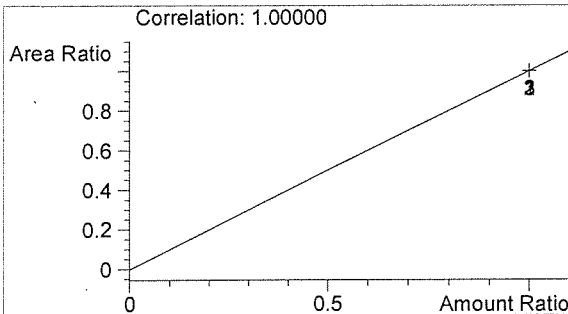
Inj. Date: 12/16/2015 2:58:08 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\BLDALCO1.M
Sample Info: 15057



#	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

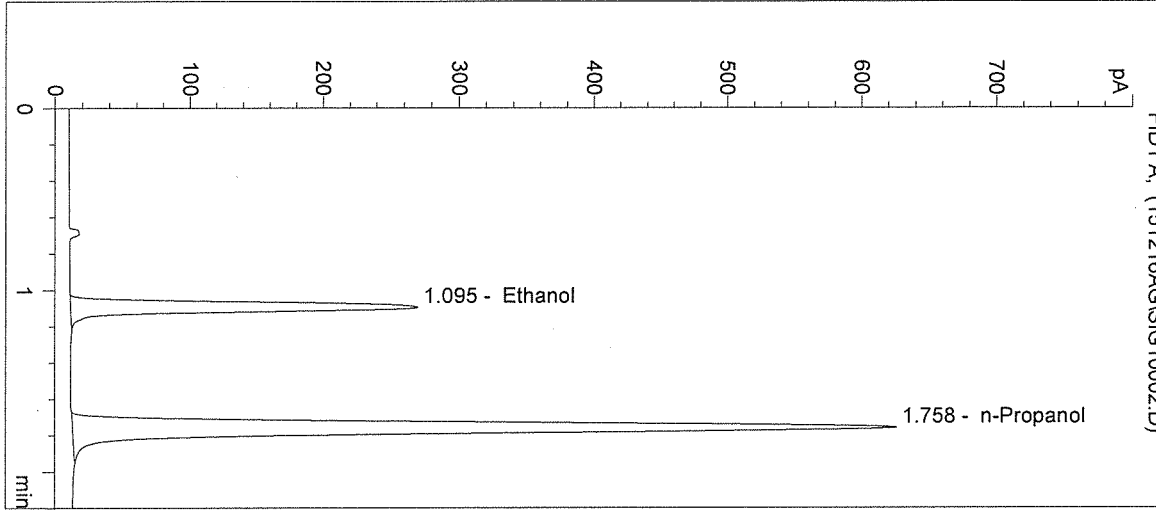
Handwritten signature/initials

Handwritten signature/initials

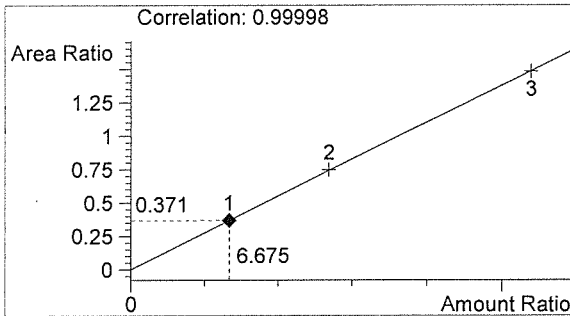
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2015 3:01:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\BLDALCO1.M
Sample Info: 15057

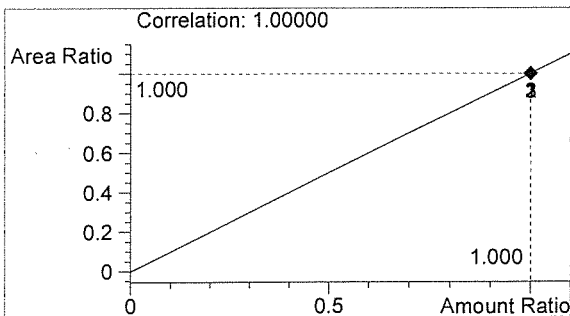
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	909	1.095
2	n-Propanol	2450	1.758



Ethanol 0.080 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 3:04:41 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

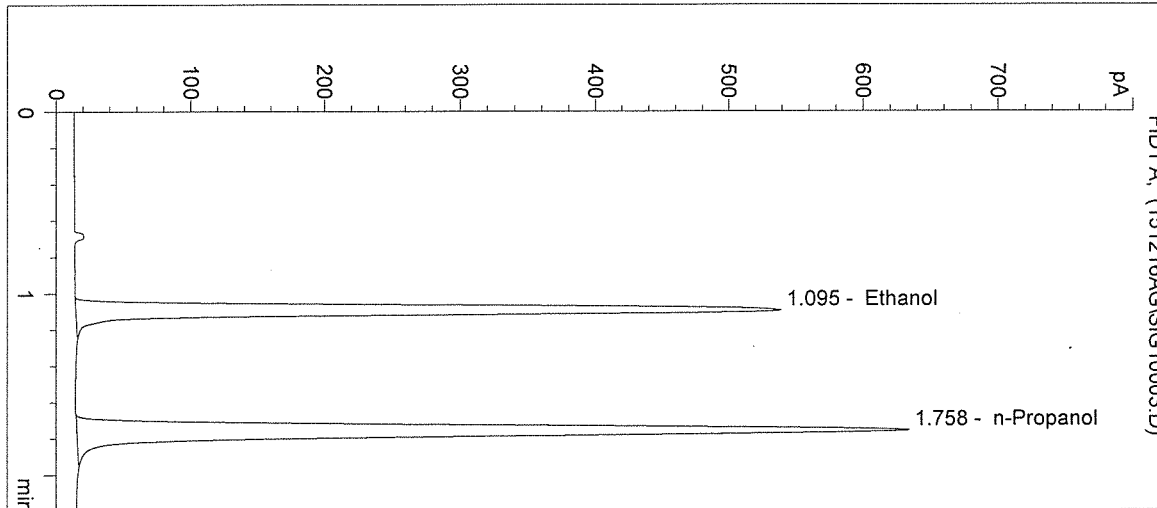
Operator: Andrew Gingras

Column: DB-ALC1

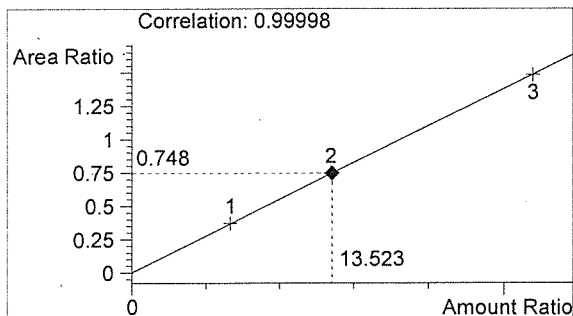
Location: Vial 3

Method: C:\HPCHEM\1\METHODS\BLDALCO1.M

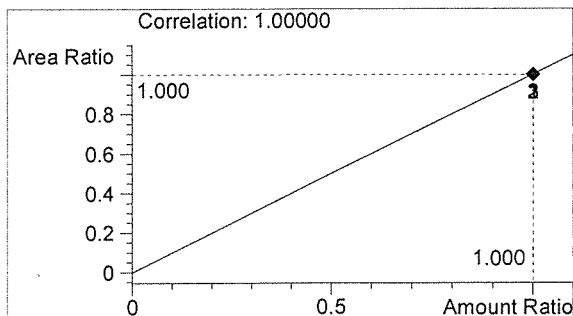
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1858	1.095
2	n-Propanol	2484	1.758



Ethanol 0.162 g/100mL



n-Propanol 0.012 g/100mL

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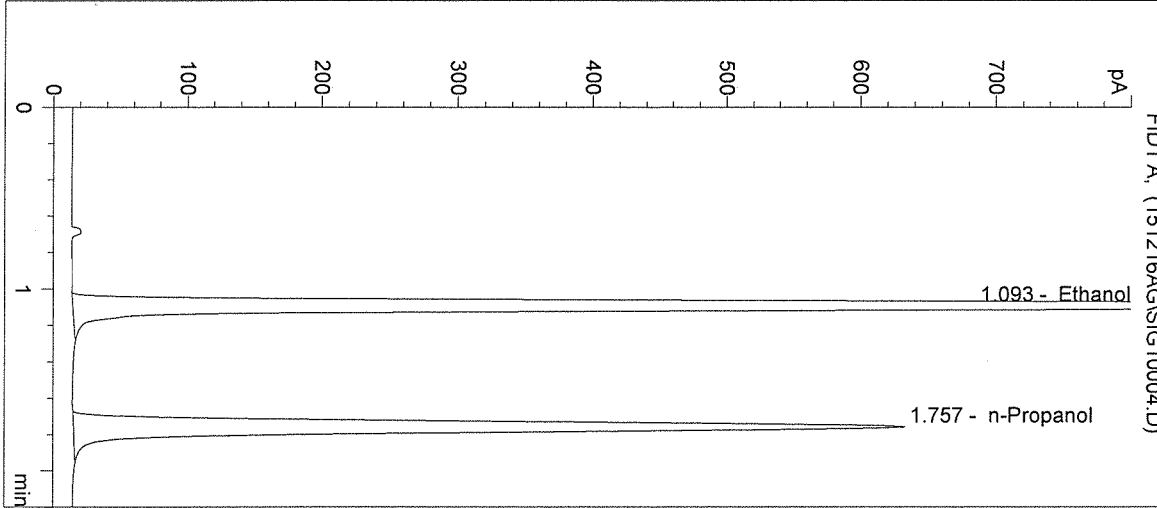
Handwritten signature

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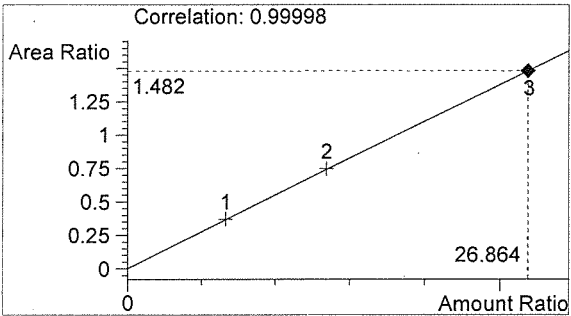
Inj. Date: 12/16/2015 3:07:58 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 0.316 CAL 3
 Operator: Andrew Gingras
 Location: Vial 4

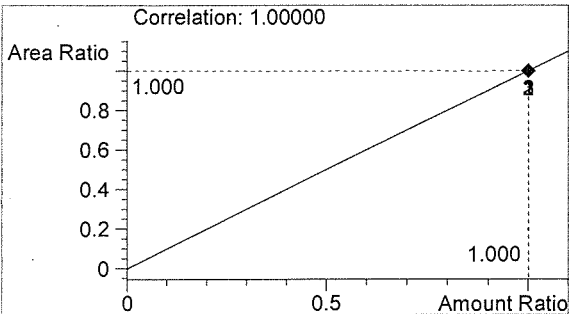
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	3643	1.093
2	n-Propanol	2458	1.757



Ethanol 0.322 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:11:12 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

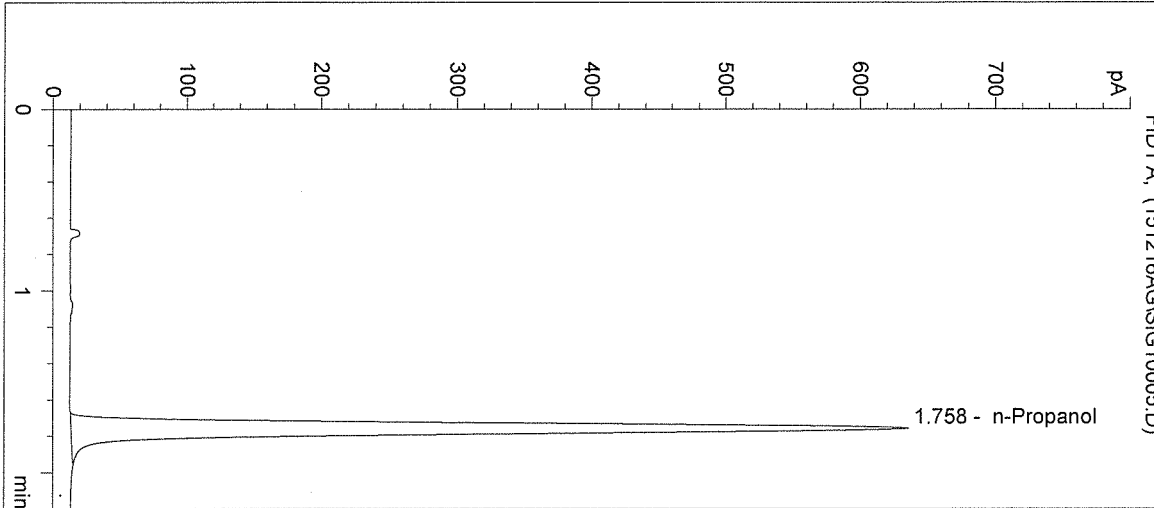
Operator: Andrew Gingras

Column: DB-ALC1

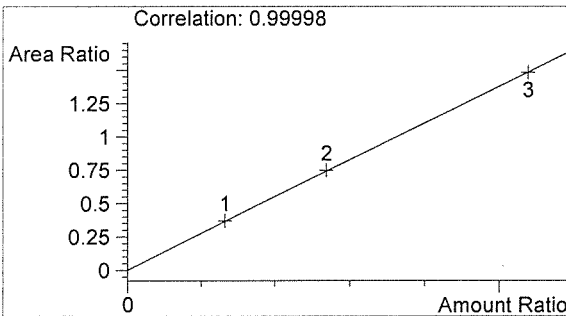
Location: Vial 5

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

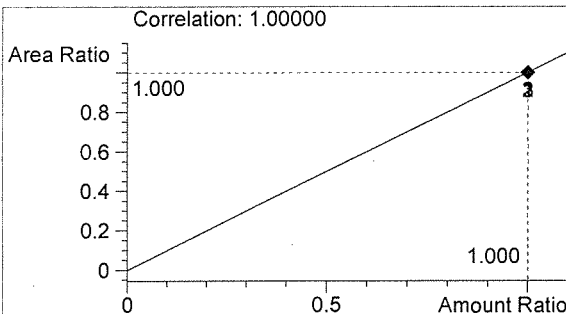
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2495	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:14:25 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

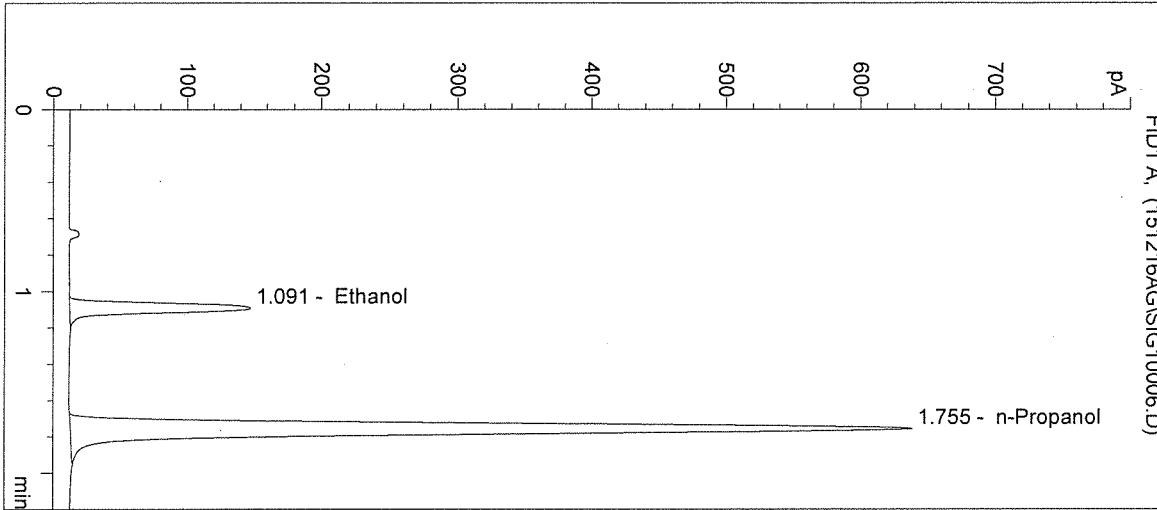
Operator: Andrew Gingras

Column: DB-ALC1

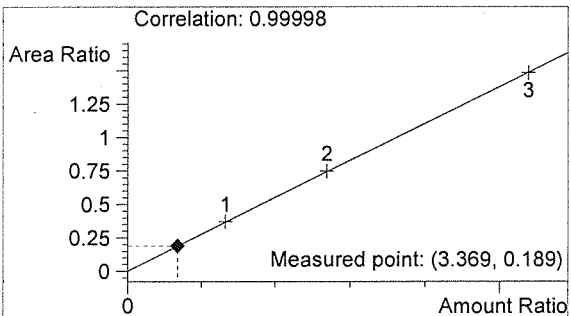
Location: Vial 6

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

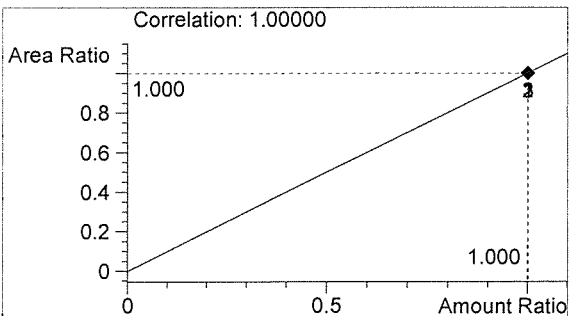
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	470	1.091
2	n-Propanol	2486	1.755



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:17:38 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

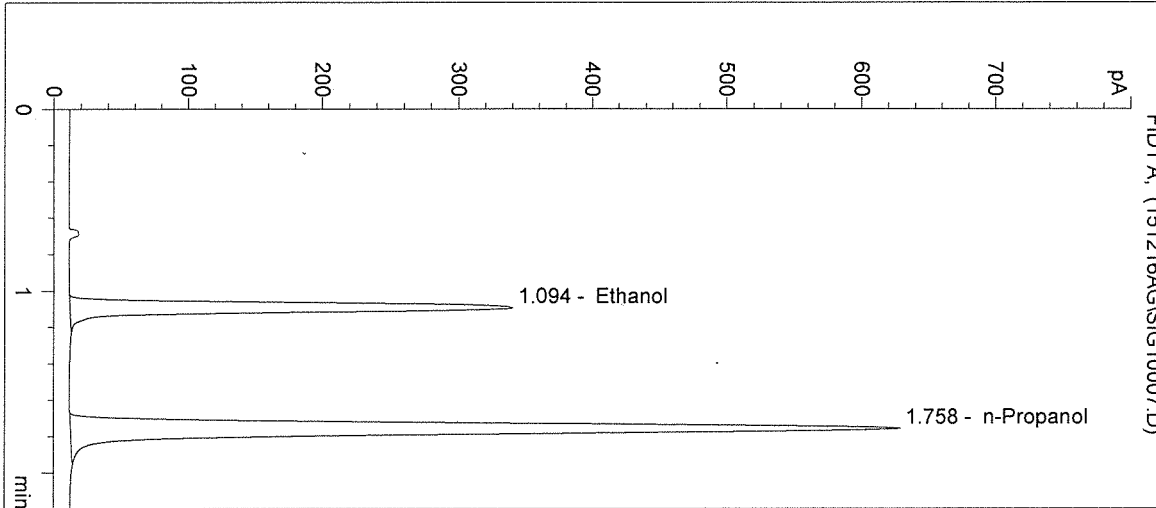
Operator: Andrew Gingras

Column: DB-ALC1

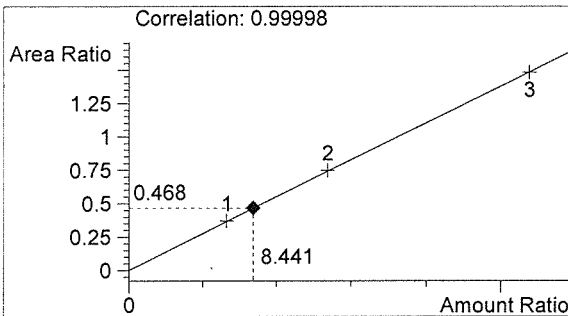
Location: Vial 7

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

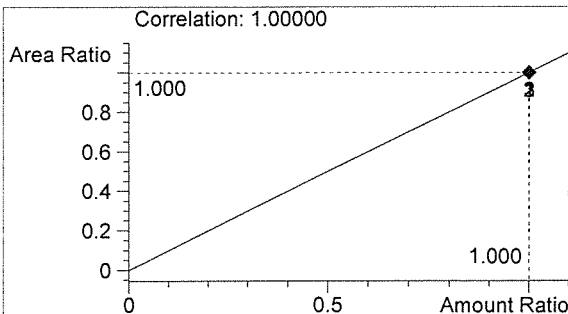
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1153	1.094
2	n-Propanol	2462	1.758



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:20:52 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

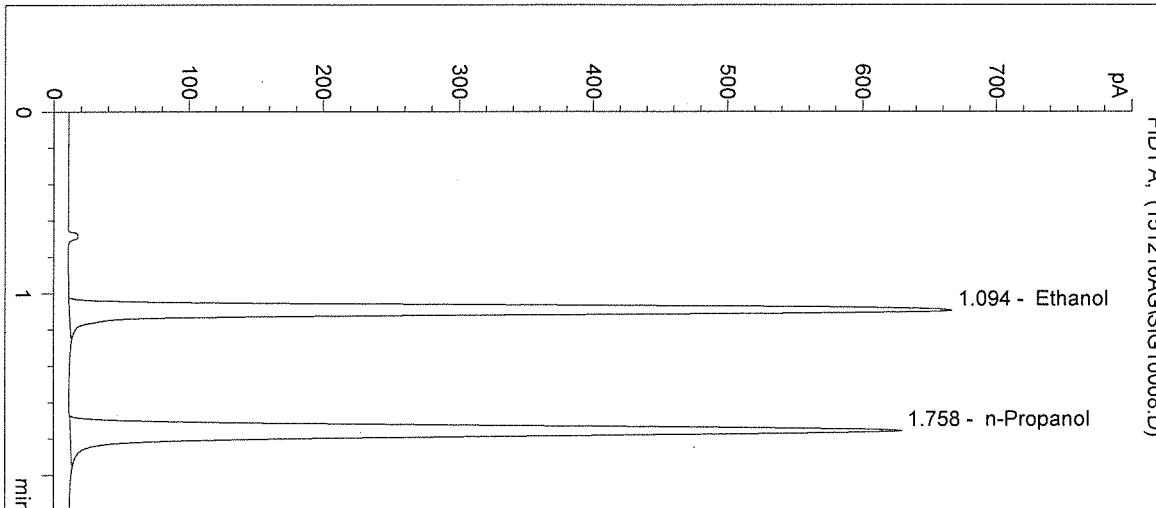
Operator: Andrew Gingras

Column: DB-ALC1

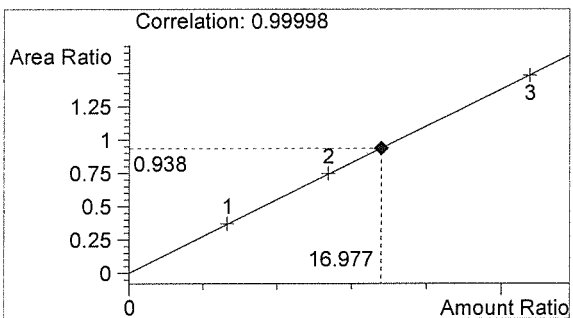
Location: Vial 8

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

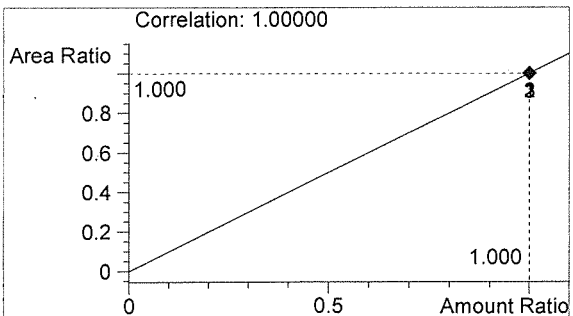
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	2307	1.094
2	n-Propanol	2459	1.758



Ethanol 0.204 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:24:05 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

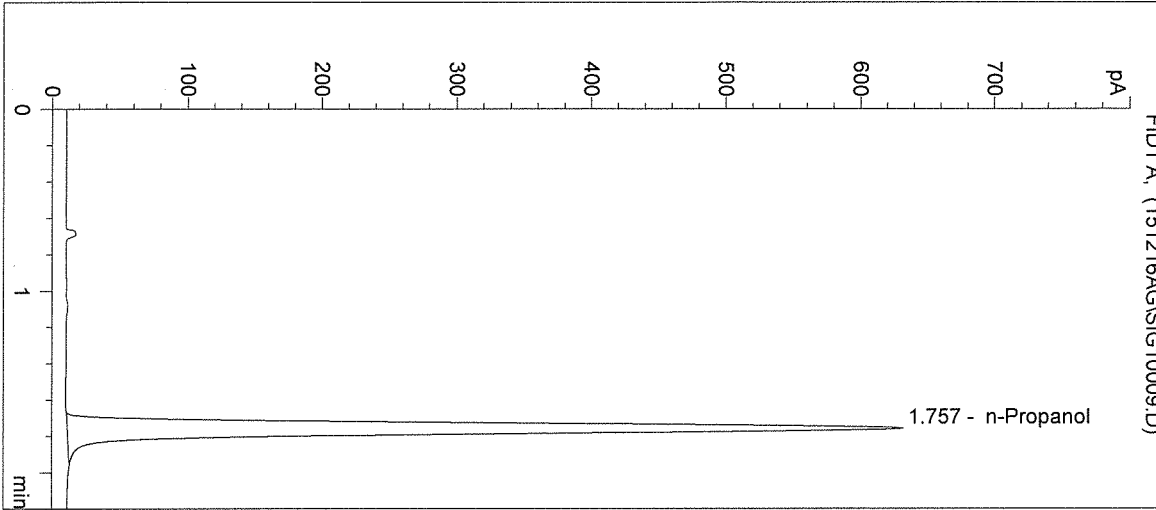
Operator: Andrew Gingras

Column: DB-ALC1

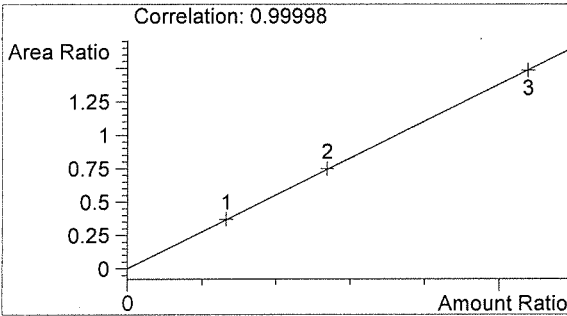
Location: Vial 9

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

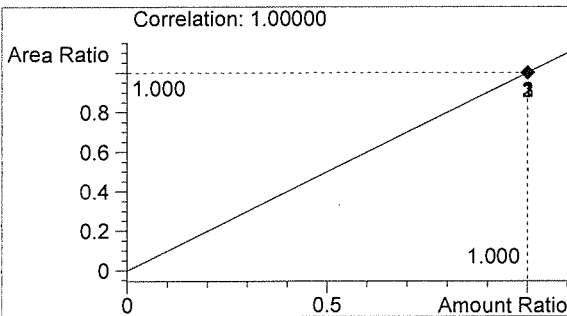
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2482	1.757



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:27:18 PM

Sample Name: 15057-1

Instrument: HSGC#1

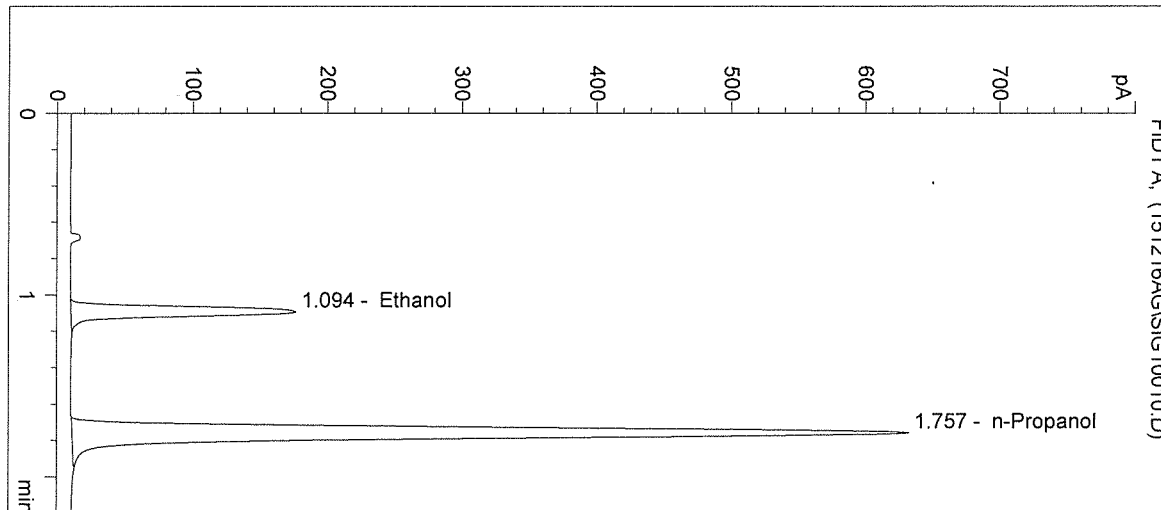
Operator: Andrew Gingras

Column: DB-ALC1

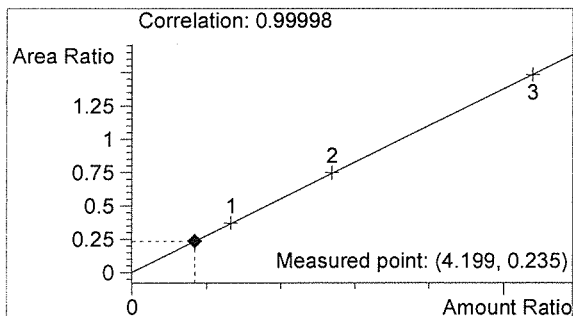
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Method: C:\HPCHEM\1\METHODS\SIMALC1.M

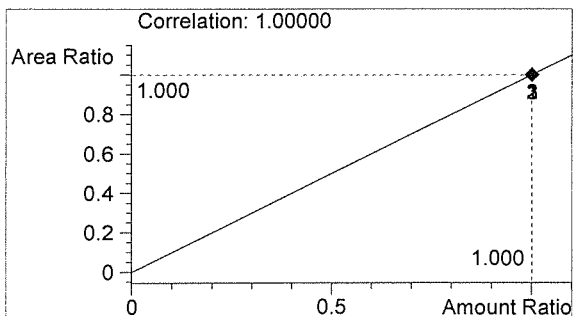
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	582	1.094
2	n-Propanol	2480	1.757



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:30:31 PM

Sample Name: 15057-2

Instrument: HSGC#1

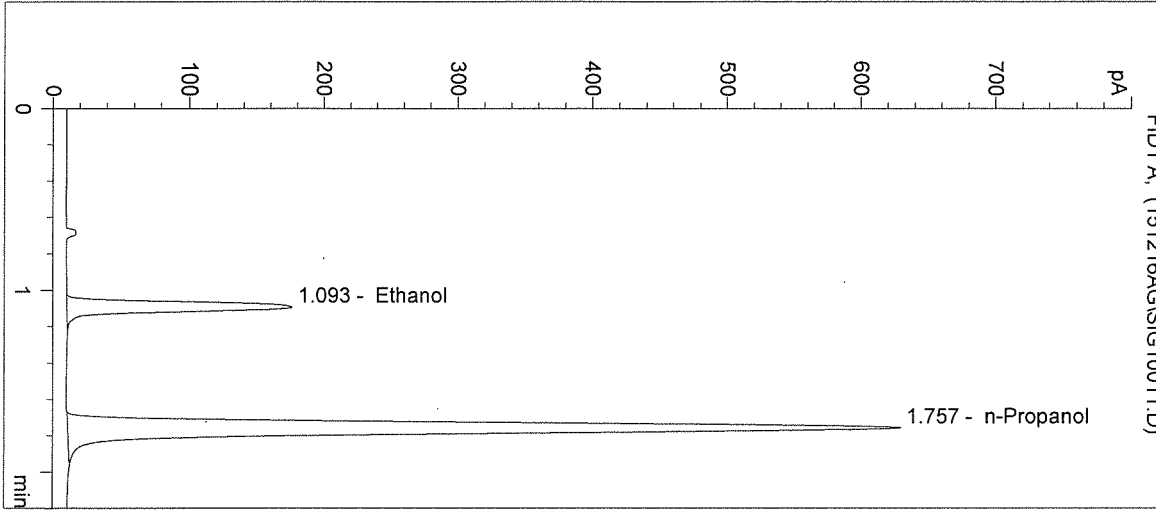
Operator: Andrew Gingras

Column: DB-ALC1

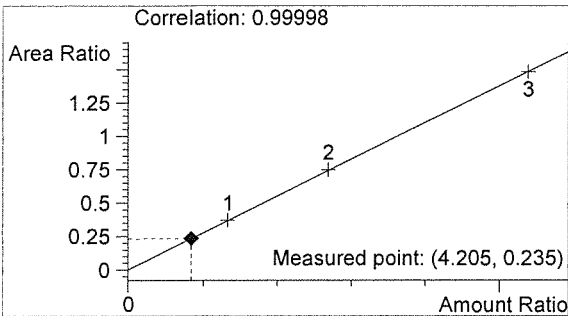
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Method: C:\HPCHEM\1\METHODS\SIMALC1.M

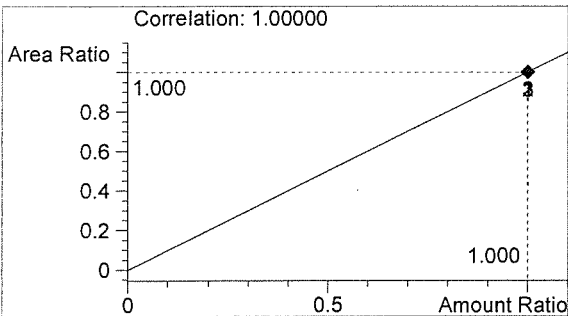
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	581	1.093
2	n-Propanol	2472	1.757



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:33:45 PM

Sample Name: 15057-3

Instrument: HSGC#1

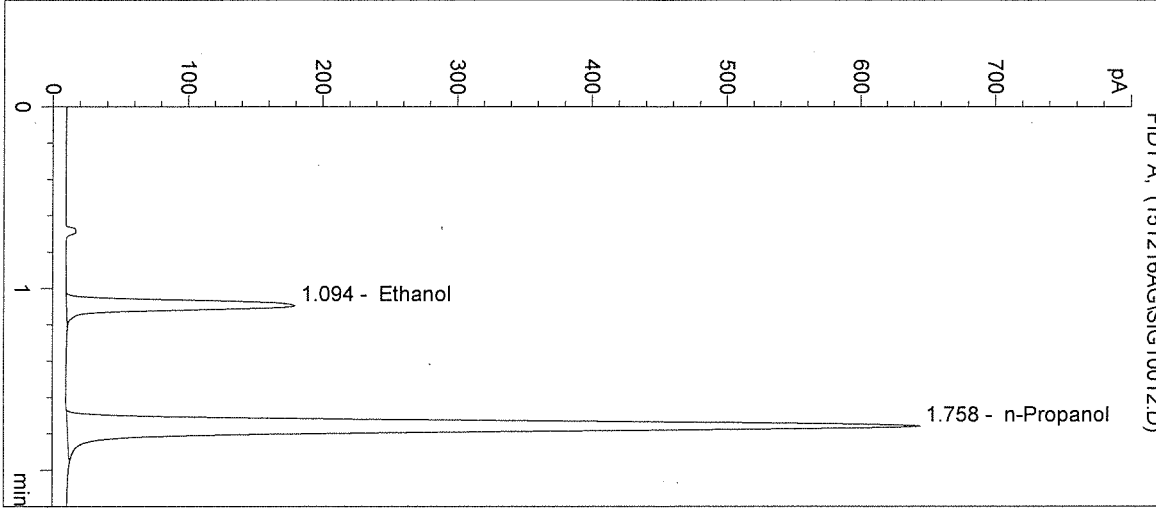
Operator: Andrew Gingras

Column: DB-ALC1

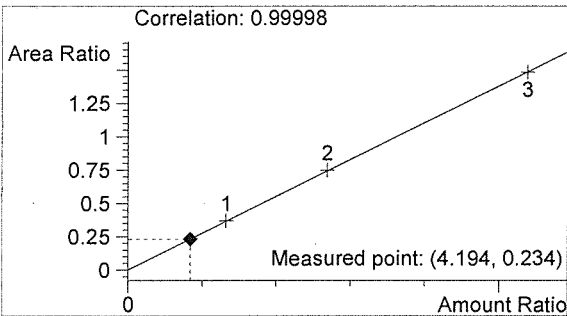
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Method: C:\HPCHEM\1\METHODS\SIMALC1.M

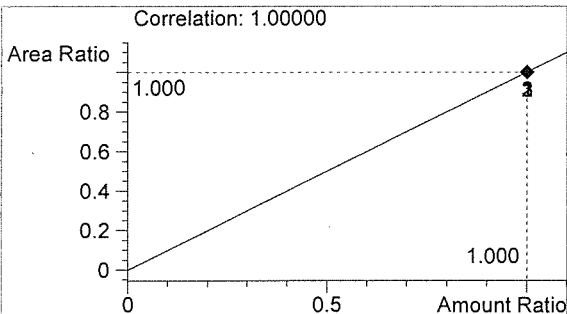
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	594	1.094
2	n-Propanol	2534	1.758



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:36:58 PM

Sample Name: 15057-4

Instrument: HSGC#1

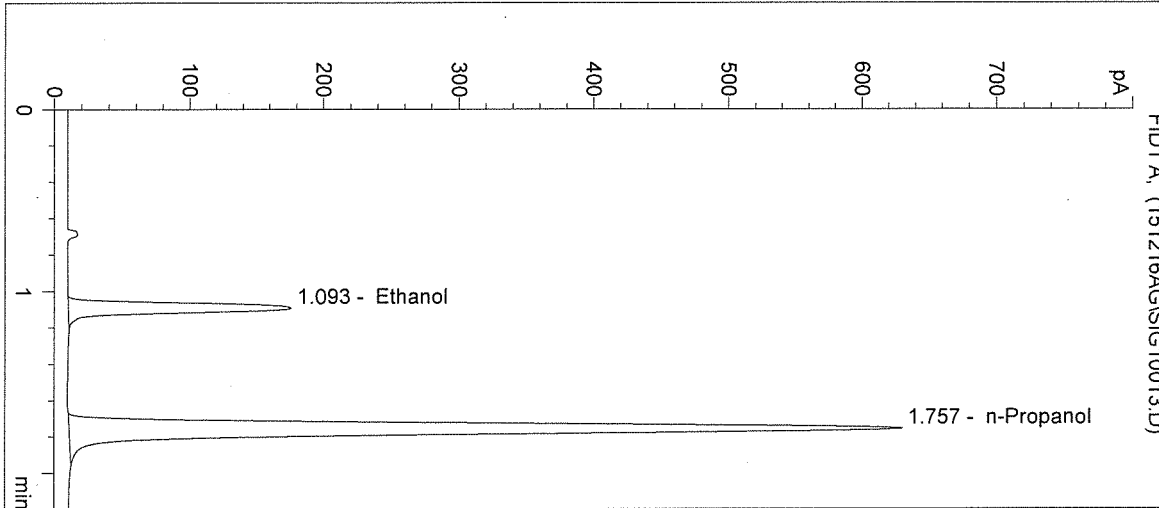
Operator: Andrew Gingras

Column: DB-ALC1

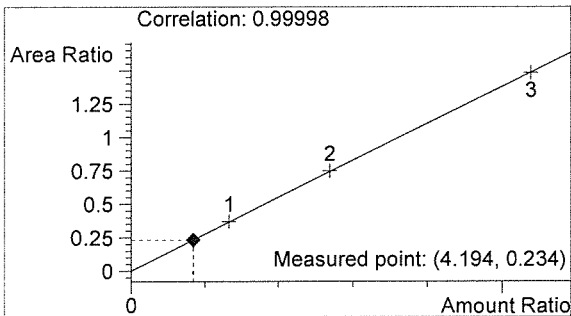
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Method: C:\HPCHEM\1\METHODS\SIMALC1.M

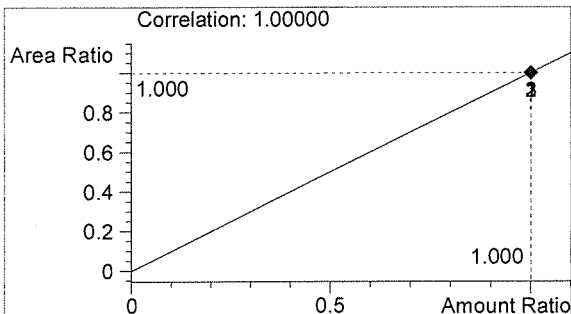
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	580	1.093
2	n-Propanol	2474	1.757



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2015 3:40:11 PM

Sample Name: 15057-5

Instrument: HSGC#1

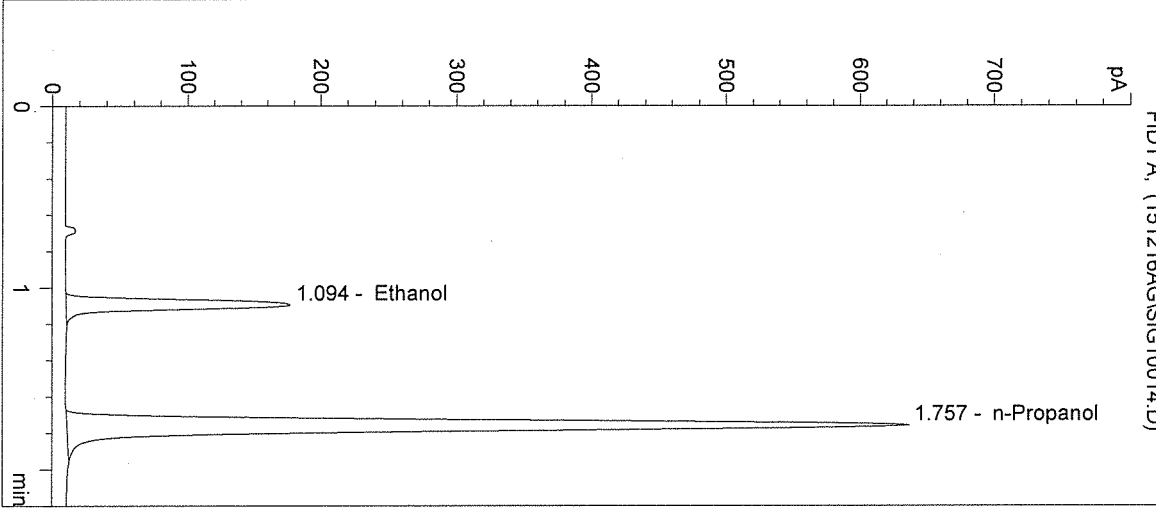
Operator: Andrew Gingras

Column: DB-ALC1

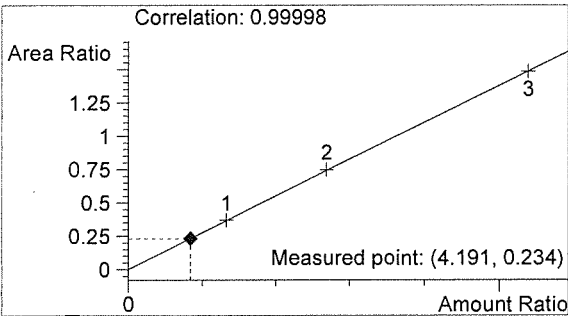
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Method: C:\HPCHEM\1\METHODS\SIMALC1.M

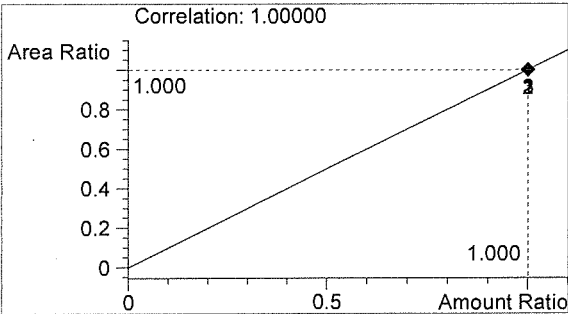
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	584	1.094
2	n-Propanol	2494	1.757



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 12/16/2015 3:43:24 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

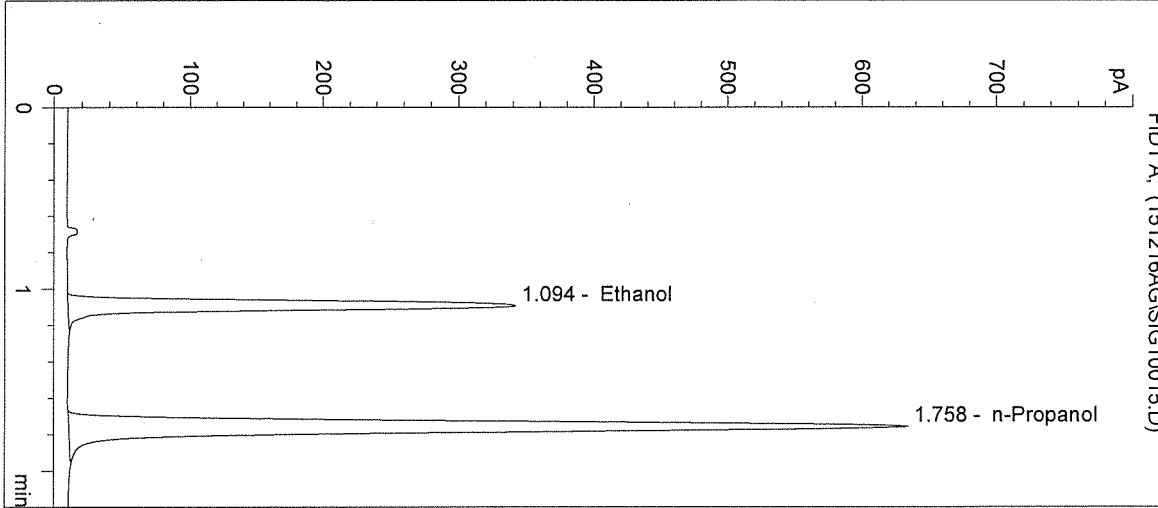
Operator: Andrew Gingras

Column: DB-ALC1

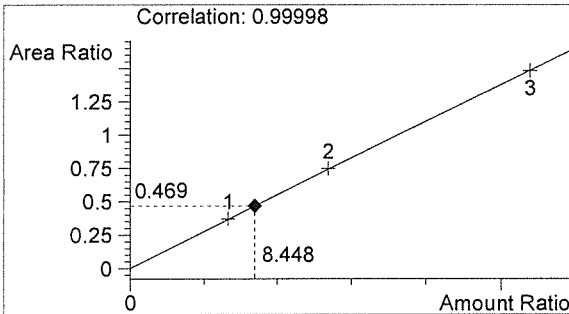
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Method: C:\HPCHEM\1\METHODS\SIMALC1.M

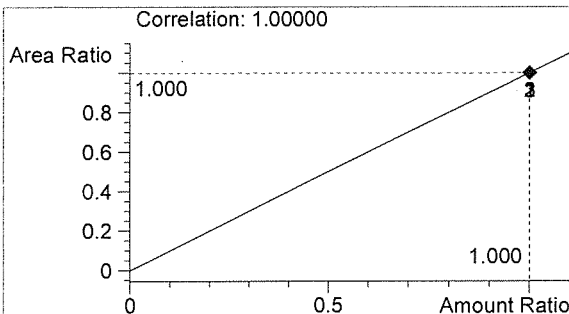
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	1169	1.094
2	n-Propanol	2496	1.758



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Handwritten initials

Handwritten signature

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Inj. Date: 12/16/2015 3:46:38 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

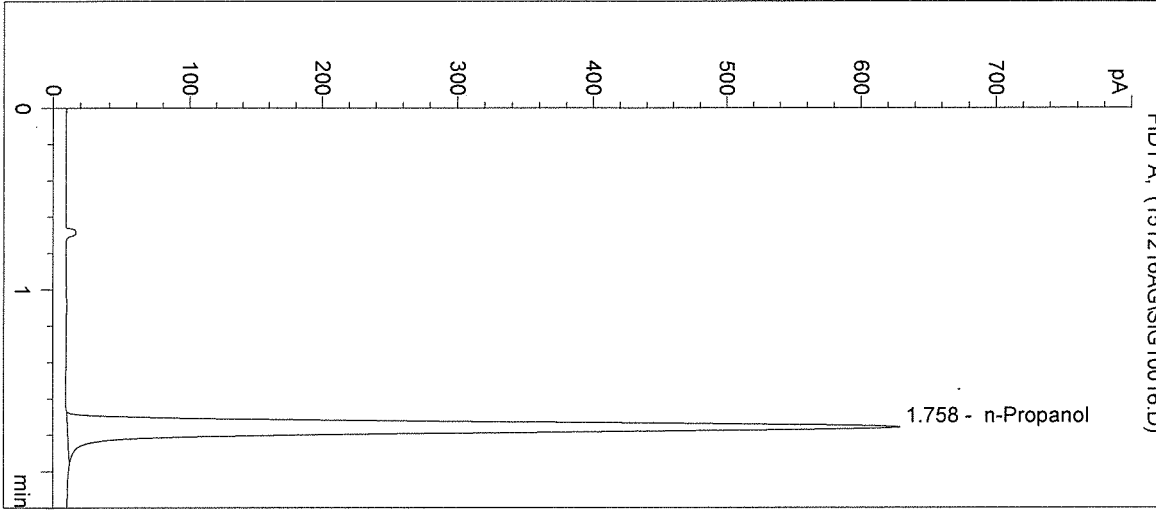
Operator: Andrew Gingras

Column: DB-ALC1

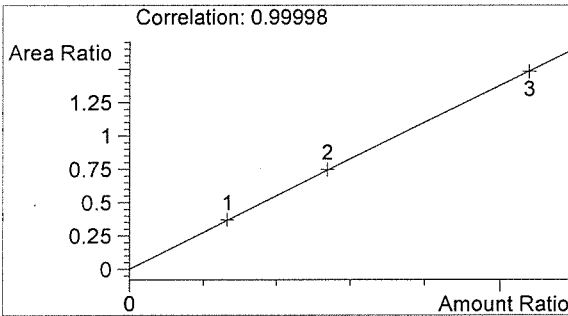
Location: Vial 16

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

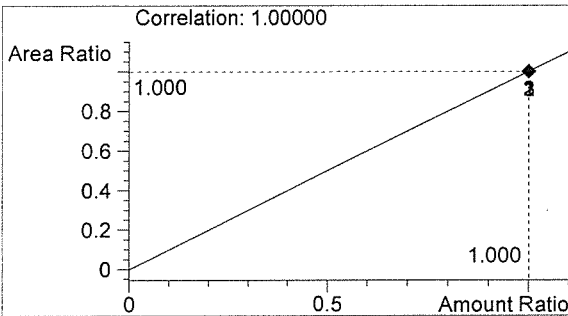
Sample Info: 15057



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2478	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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