



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15059

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.10 g/210L
DATE PREPARED: 12/07/2015
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Amanda Chandler

	AC	EW	AG
1	0.127	0.126	0.127
2	0.128	0.127	0.126
3	0.128	0.127	0.127
4	0.126	0.128	0.127
5	0.127	0.128	0.127
C	0.103	0.104	0.102

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1271 g/100mL PRECISION CV (%): 0.55
STANDARD DEVIATION: 0.00070 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1033 g/210L**
EXPANDED UNCERTAINTY: ± 0.0024 (k=2, 95.45% confidence interval)

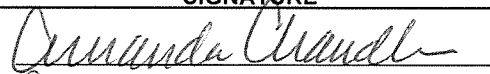


WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Lisa Noble Forensic Scientist Supervisor

2/17/16

DATE REPORT ISSUED

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

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division. Page 1 of 1

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

QAP Solution Batch #: 15059

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	0.127	0.126	0.127
2	0.128	0.127	0.126
3	0.128	0.127	0.127
4	0.126	0.128	0.127
5	0.127	0.128	0.127
C	0.103	0.104	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000020448	0.0000314199	0.0001016326

Ethanol Control Lot #: FN08051301

Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1271 g/100mL
 Standard Deviation: 0.00070 g/100mL
 Precision CV (%): 0.55
 Equivalent Vapor Concentration: 0.1033 g/210L
 Combined Standard Uncertainty (\pm): 0.0012 g/210L
 Expanded Uncertainty (\pm): 0.0024 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 H. 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: 2-16-14
Location: WSP-FLSB Seattle, WA Solution Batch Number: 15059

	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: 2-16-14



SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

- 1) Checked your data
- 2) Checked the date to the right of your name on the Test Report
- 3) Signed the Test Report

	Initials	Date
Amanda Chandler	AC	2/8/14
Andrew Gingras	AG	2/8/16
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 # 15059 2/21/16



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15059**

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 15059, 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 2/8/16

Amanda Chandler
Forensic Scientist

Date



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15059**

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 15059, 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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 15059**

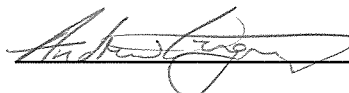
I, Andrew Gingras, do certify under penalty of perjury that:

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 15059, 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

 4/8/16

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:

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:

Amenda Chavala
 Analyst Signature

12/7/15
 Date

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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.

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		

= 15059

fn 2/5/16

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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!

15059
Inj 15/16

AR

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

Inj. Date: 12/7/2015 11:52:44 AM

Sample Name: 15059-1

Instrument: HSGC#1

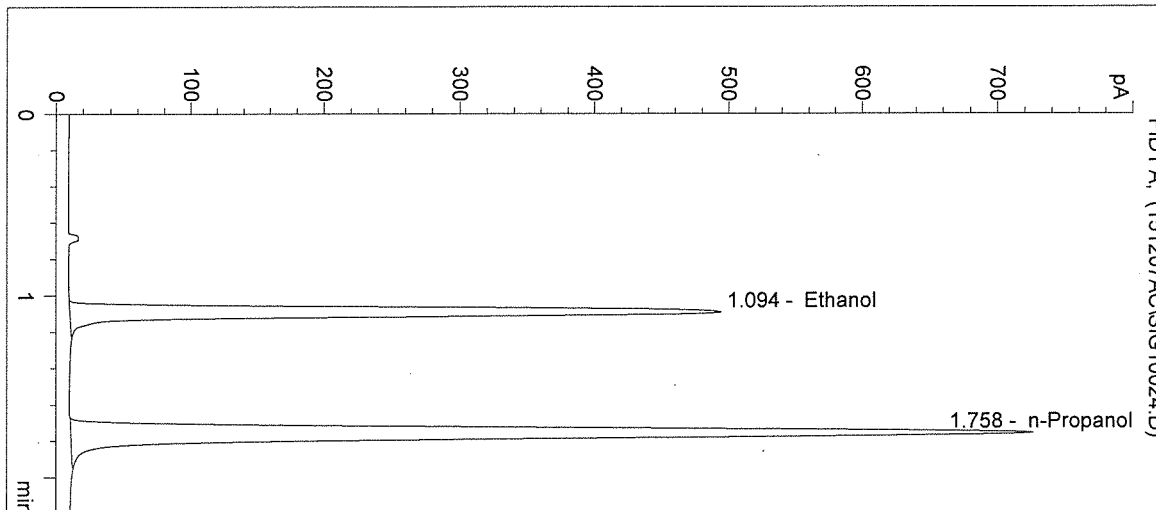
Operator: Amanda Chandler

Column: DB-ALC1

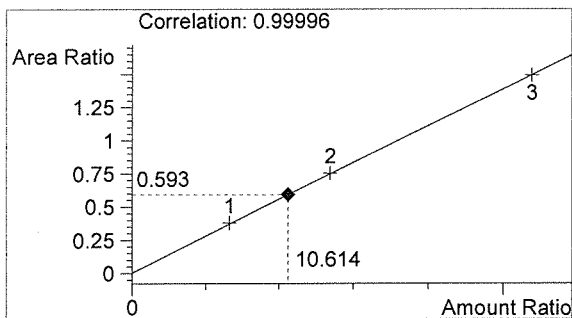
Location: Vial 24

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

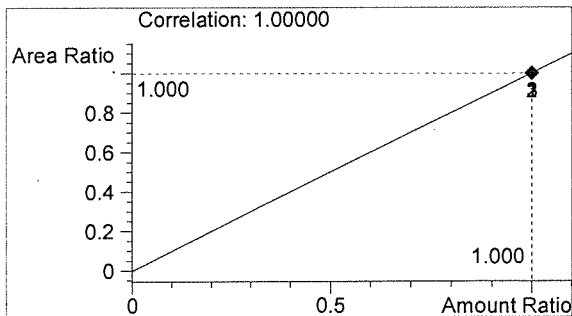
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1673	1.094
2	n-Propanol	2819	1.758



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

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AR

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

Inj. Date: 12/7/2015 11:55:58 AM

Sample Name: 15059-2

Instrument: HSGC#1

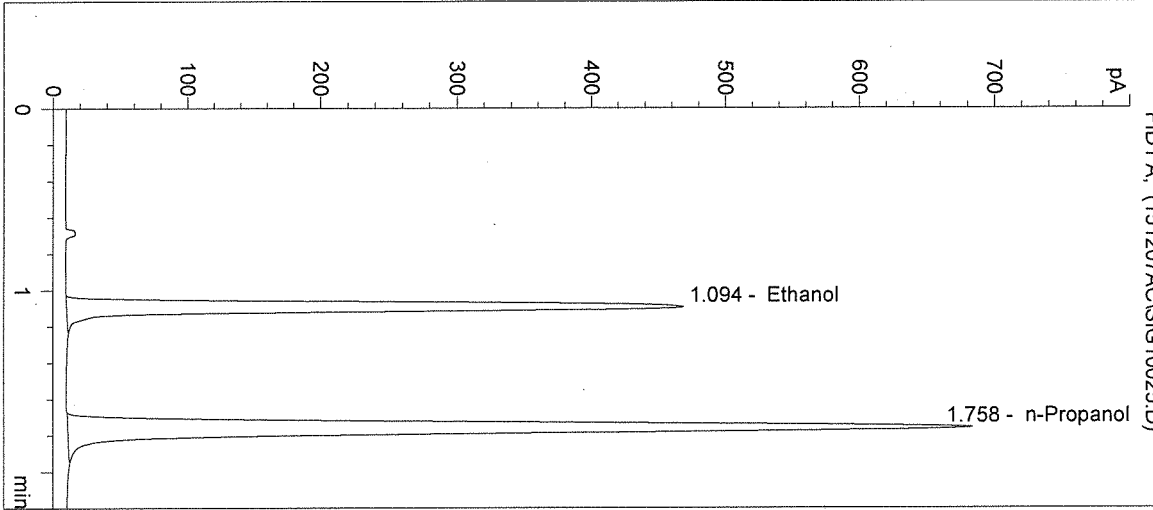
Operator: Amanda Chandler

Column: DB-ALC1

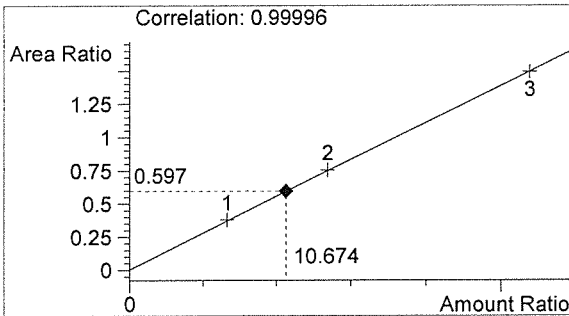
Location: Vial 25

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

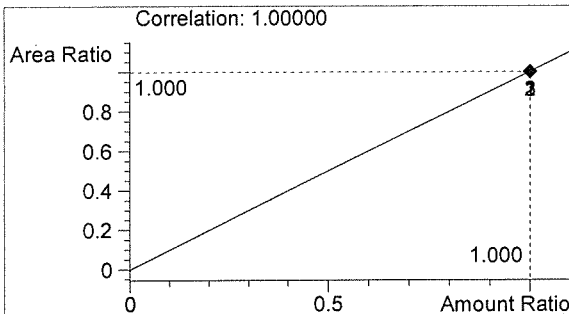
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1584	1.094
2	n-Propanol	2654	1.758



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials

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

Inj. Date: 12/7/2015 11:59:11 AM

Sample Name: 15059-3

Instrument: HSGC#1

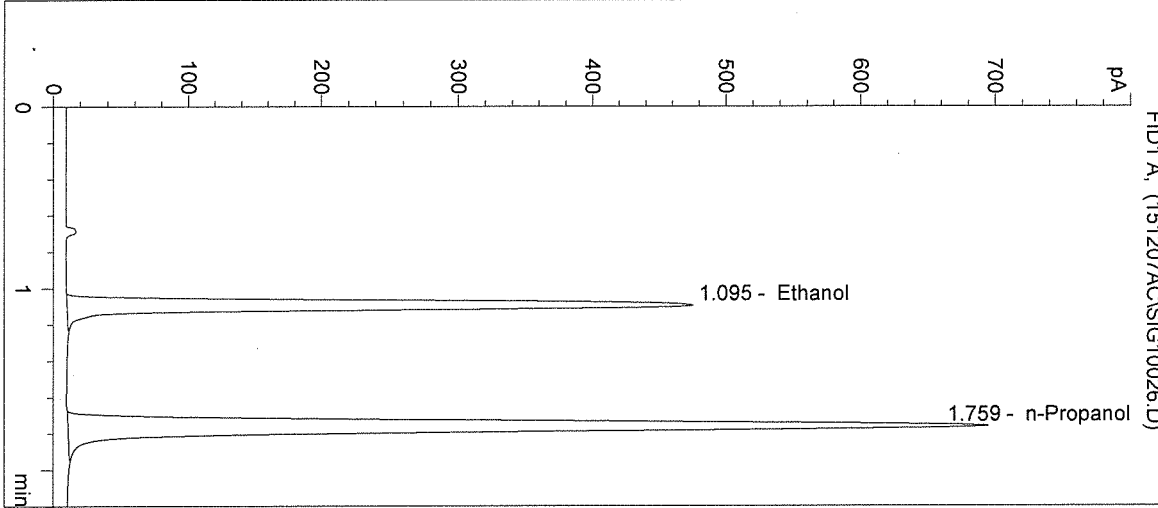
Operator: Amanda Chandler

Column: DB-ALC1

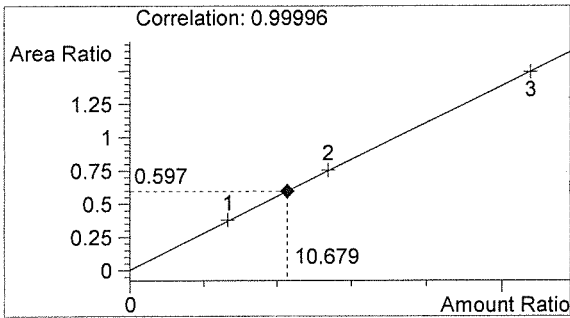
Location: Vial 26

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

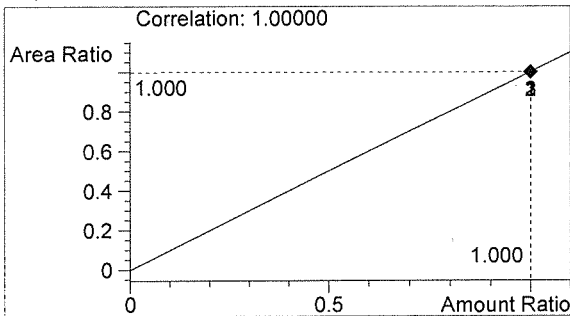
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1614	1.095
2	n-Propanol	2704	1.759



Ethanol 0.128 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 12/7/2015 12:02:25 PM

Sample Name: 15059-4

Instrument: HSGC#1

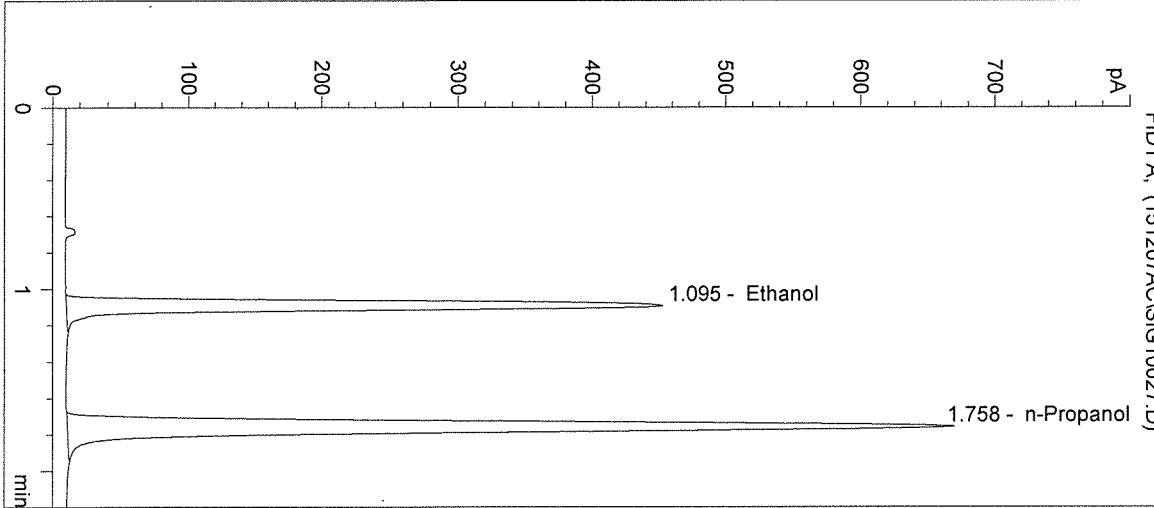
Operator: Amanda Chandler

Column: DB-ALC1

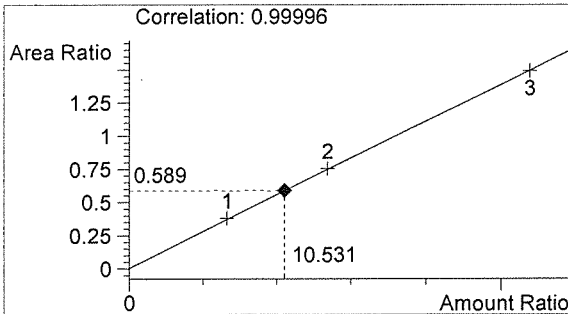
Location: Vial 27

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

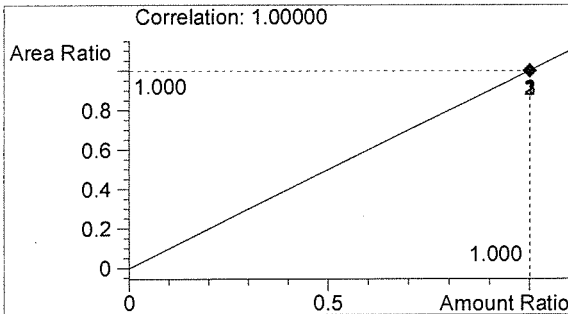
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1524	1.095
2	n-Propanol	2589	1.758



Ethanol 0.126 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

Inj. Date: 12/7/2015 12:05:38 PM

Sample Name: 15059-5

Instrument: HSGC#1

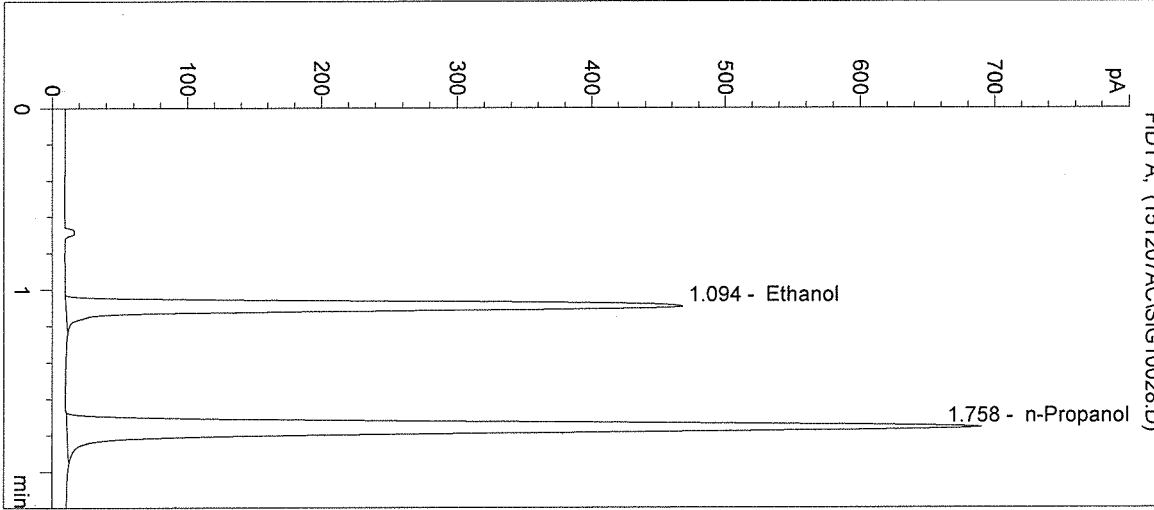
Operator: Amanda Chandler

Column: DB-ALC1

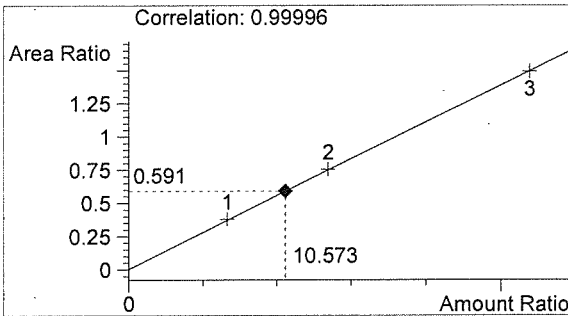
Location: Vial 28

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

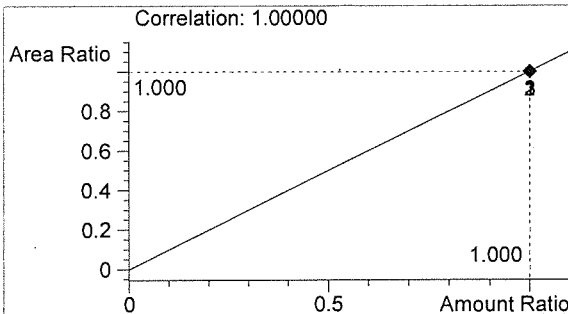
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1580	1.094
2	n-Propanol	2674	1.758



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten mark

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

Inj. Date: 12/7/2015 12:08:51 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

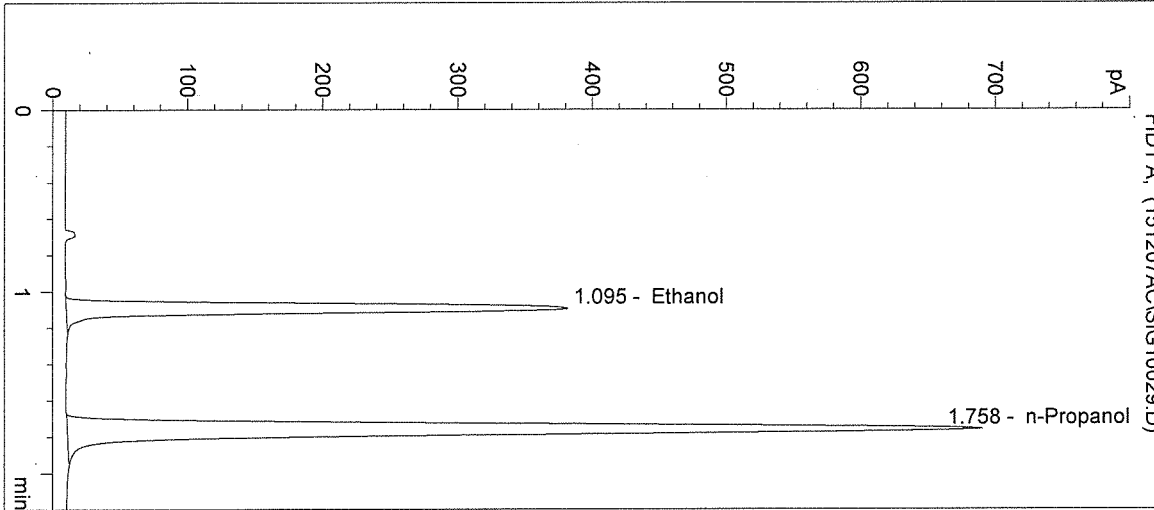
Operator: Amanda Chandler

Column: DB-ALC1

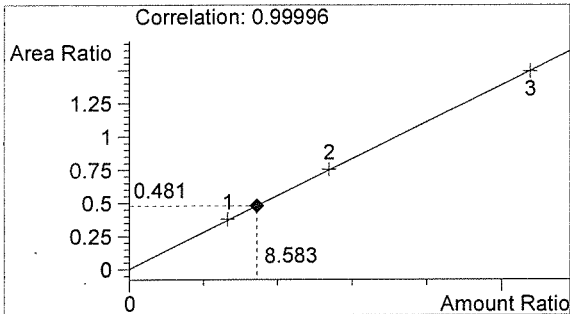
Location: Vial 29

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

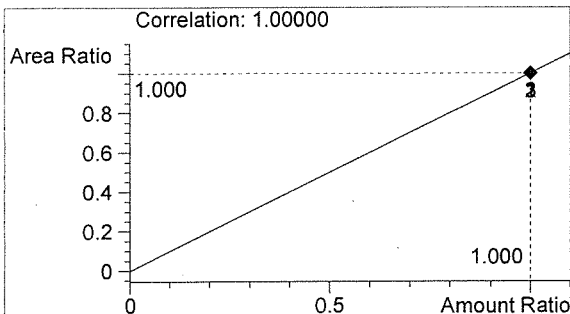
Sample Info: 15059



#	Compound	Peak Area	RT (min)
1	Ethanol	1287	1.095
2	n-Propanol	2675	1.758



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten initials

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

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

Sample Name: NEG CTRL

Instrument: HSGC#1

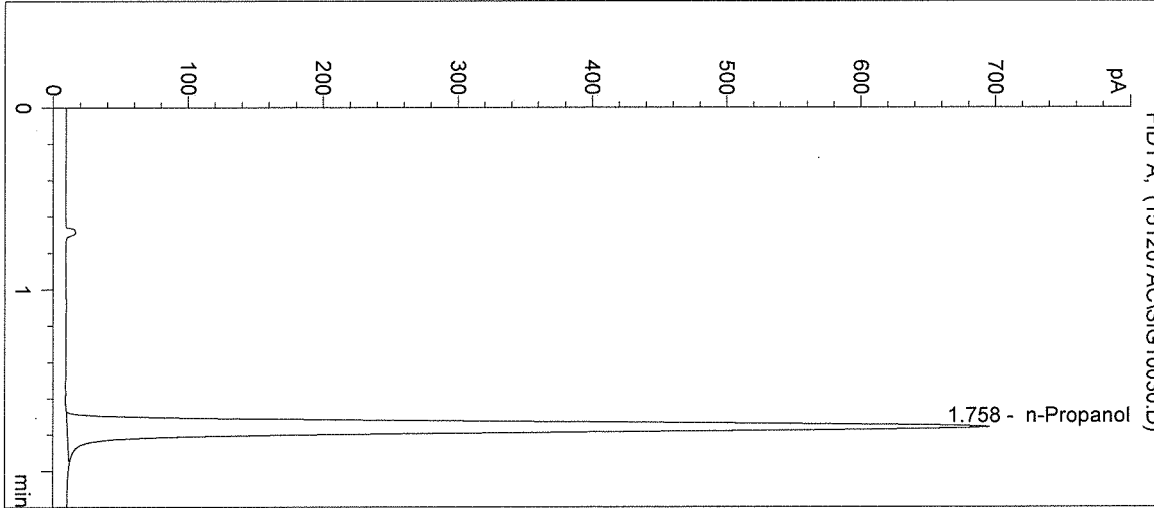
Operator: Amanda Chandler

Column: DB-ALC1

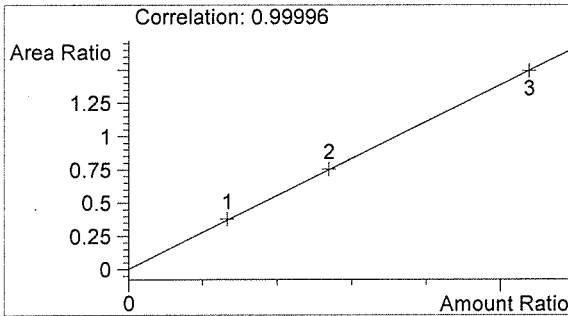
Location: Vial 30

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

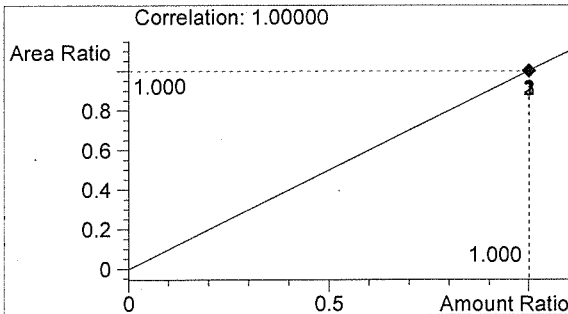
Sample Info: 15059



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2703	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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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 1505/.

8 2/25/16

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		

*15059
2/25/16*

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!

15059

fn15116

EW

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

Inj. Date: 12/8/2015 10:32:47 AM

Sample Name: 15059-1

Instrument: HSGC#1

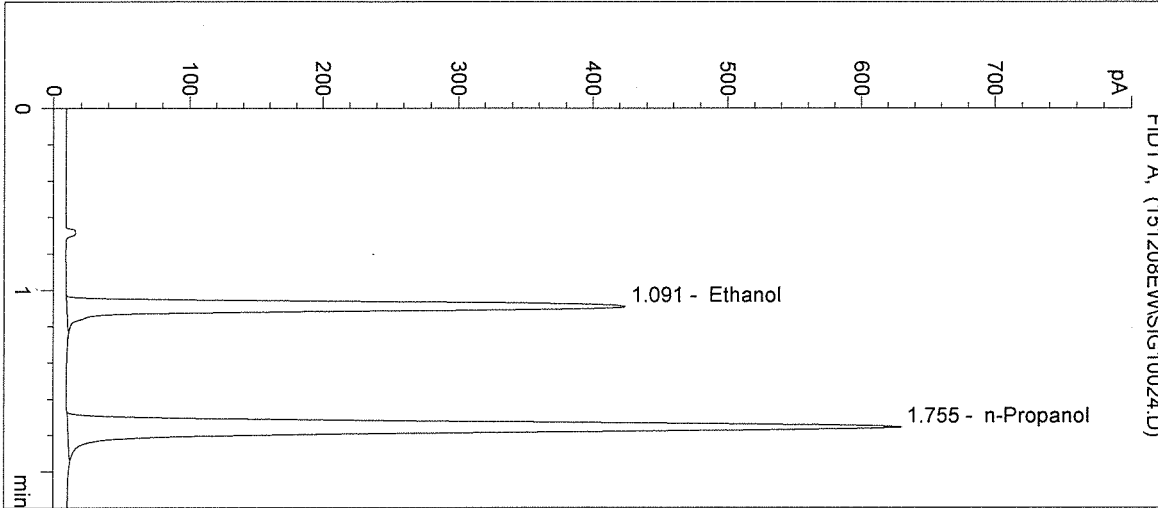
Operator: Elizabeth Wehner

Column: DB-ALC1

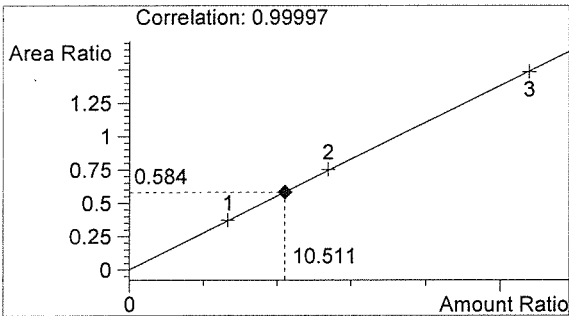
Location: Vial 24

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

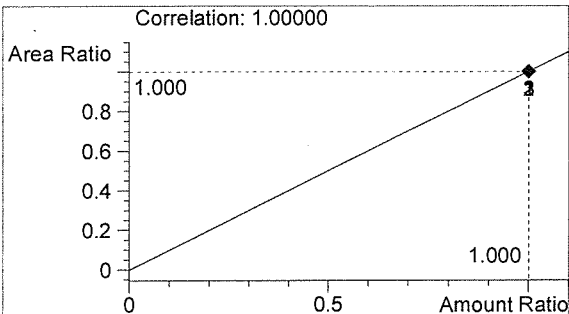
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1417	1.091
2	n-Propanol	2427	1.755



Ethanol 0.126 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 10:36:00 AM

Sample Name: 15059-2

Instrument: HSGC#1

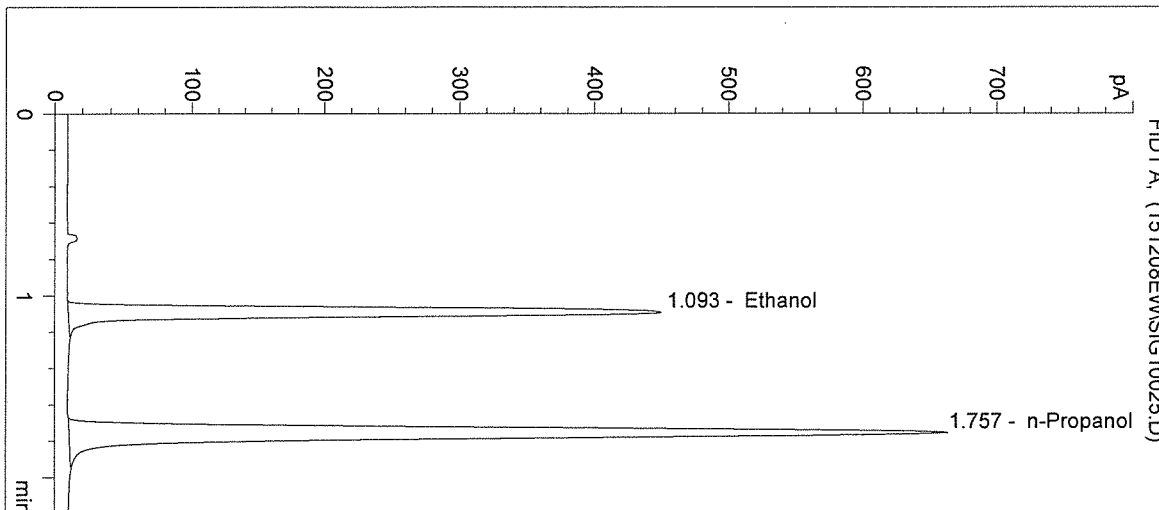
Operator: Elizabeth Wehner

Column: DB-ALC1

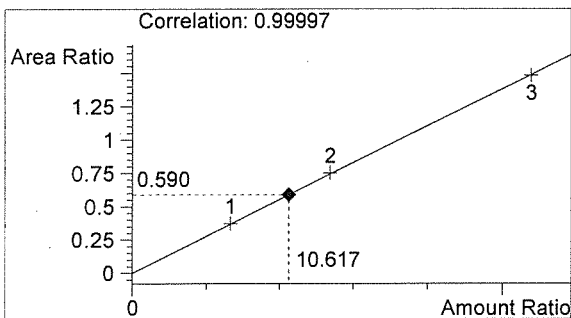
Location: Vial 25

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

Sample Info:

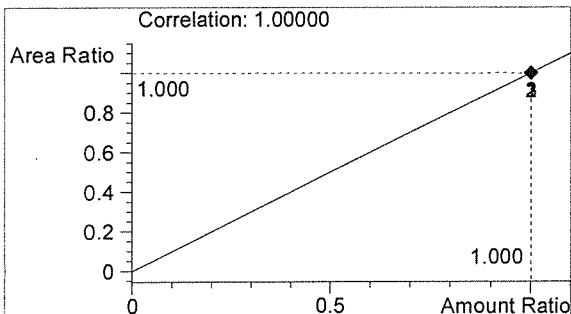


#	Compound	Peak Area	RT (min)
1	Ethanol	1515	1.093
2	n-Propanol	2570	1.757



Ethanol 0.127 g/100mL

for



n-Propanol 0.012 g/100mL

EW

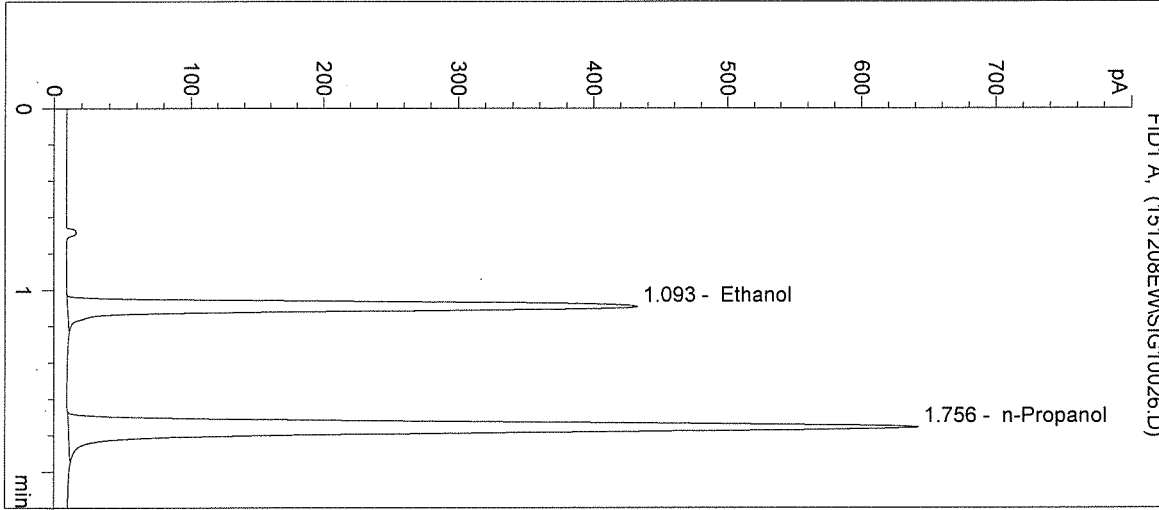
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/8/2015 10:39:13 AM
Instrument: HSGC#1
Column: DB-ALC1

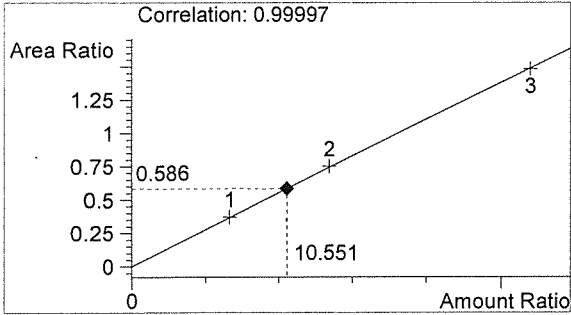
Sample Name: 15059-3
Operator: Elizabeth Wehner
Location: Vial 26

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

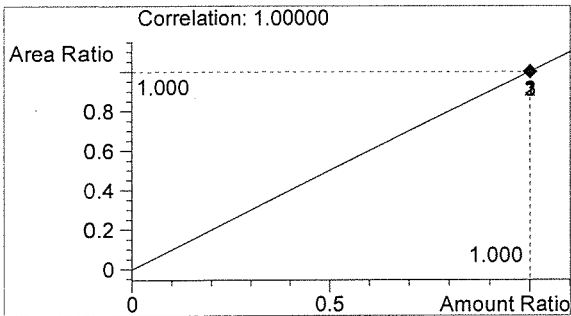
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1454	1.093
2	n-Propanol	2482	1.756



Ethanol 0.127 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 10:42:27 AM

Sample Name: 15059-4

Instrument: HSGC#1

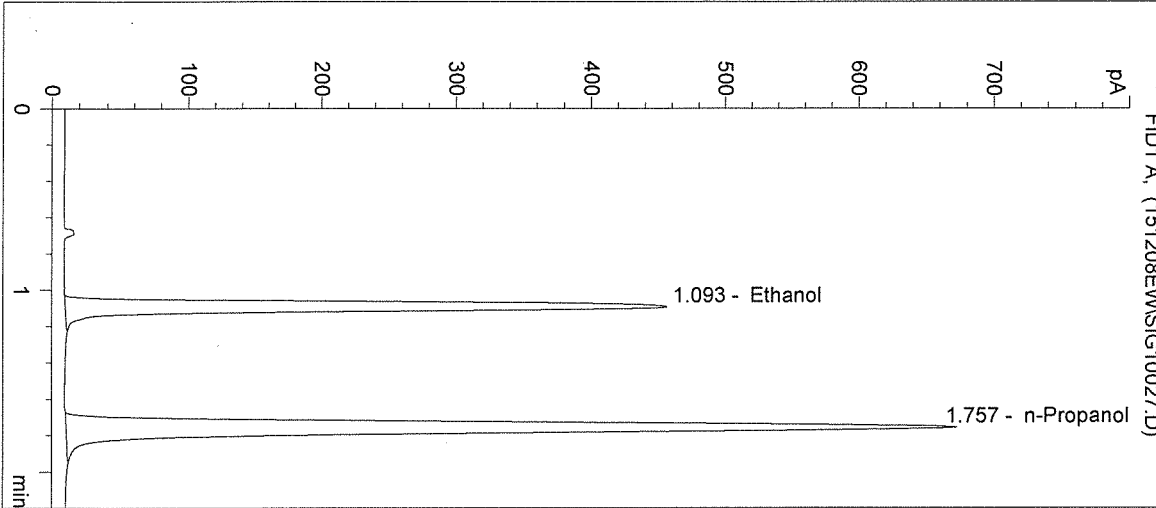
Operator: Elizabeth Wehner

Column: DB-ALC1

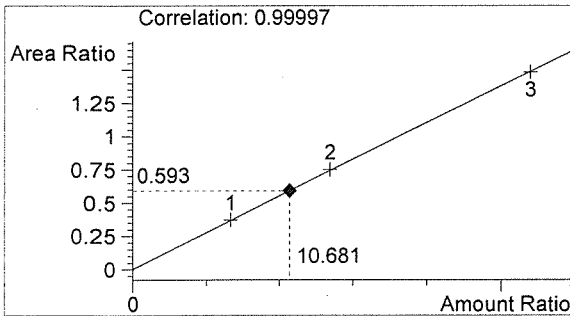
Location: Vial 27

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

Sample Info:

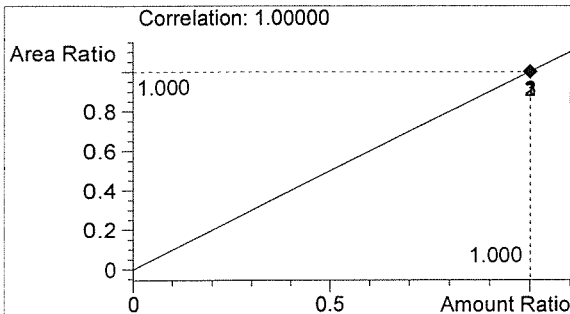


#	Compound	Peak Area	RT (min)
1	Ethanol	1542	1.093
2	n-Propanol	2600	1.757



Ethanol 0.128 g/100mL

EW

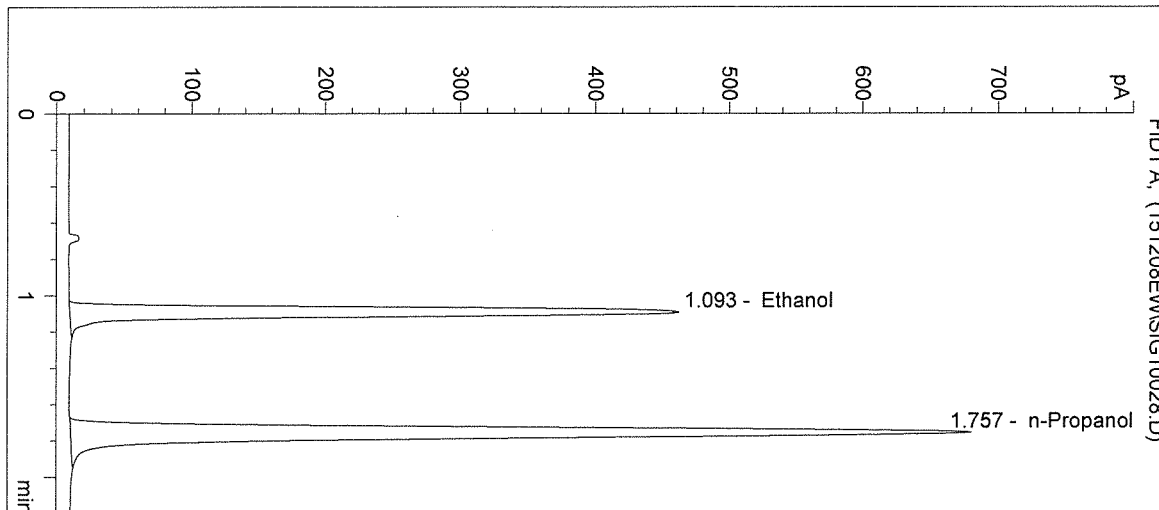


n-Propanol 0.012 g/100mL

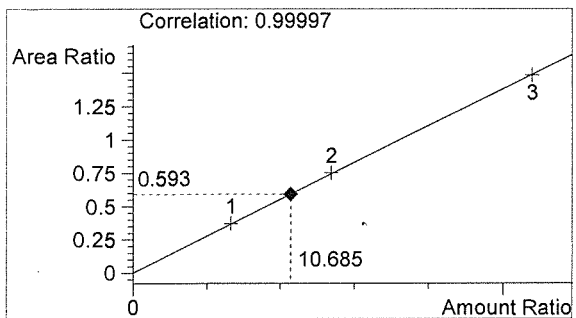
EW

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

Inj. Date: 12/8/2015 10:45:40 AM Sample Name: 15059-5
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 28
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

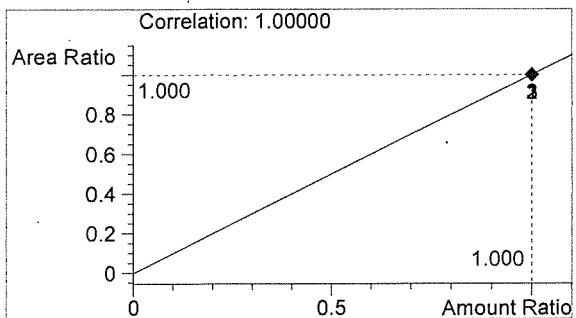


#	Compound	Peak Area	RT (min)
1	Ethanol	1562	1.093
2	n-Propanol	2633	1.757



Ethanol 0.128 g/100mL

fn

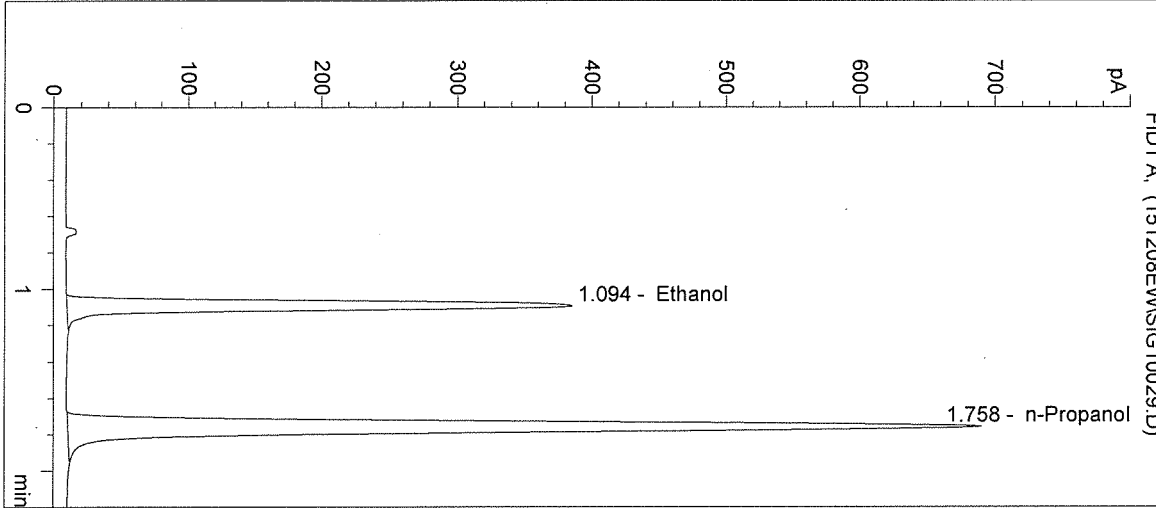


n-Propanol 0.012 g/100mL

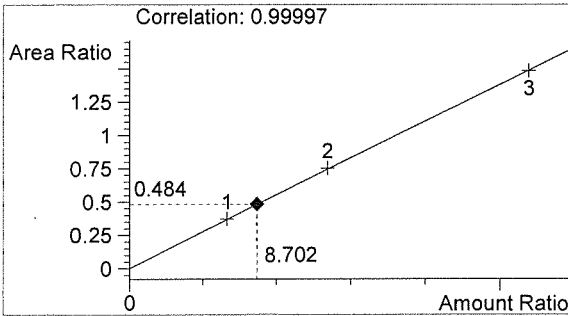
EW

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

Inj. Date: 12/8/2015 10:48:53 AM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 29
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15059

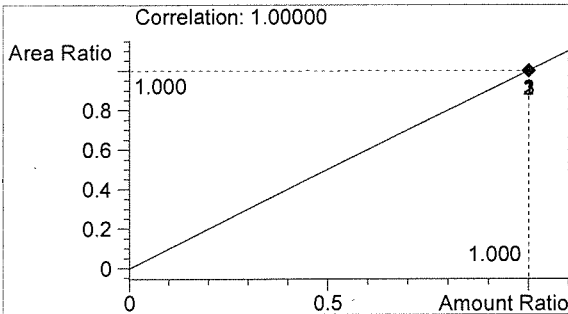


#	Compound	Peak Area	RT (min)
1	Ethanol	1295	1.094
2	n-Propanol	2677	1.758



Ethanol 0.104 g/100mL

fr

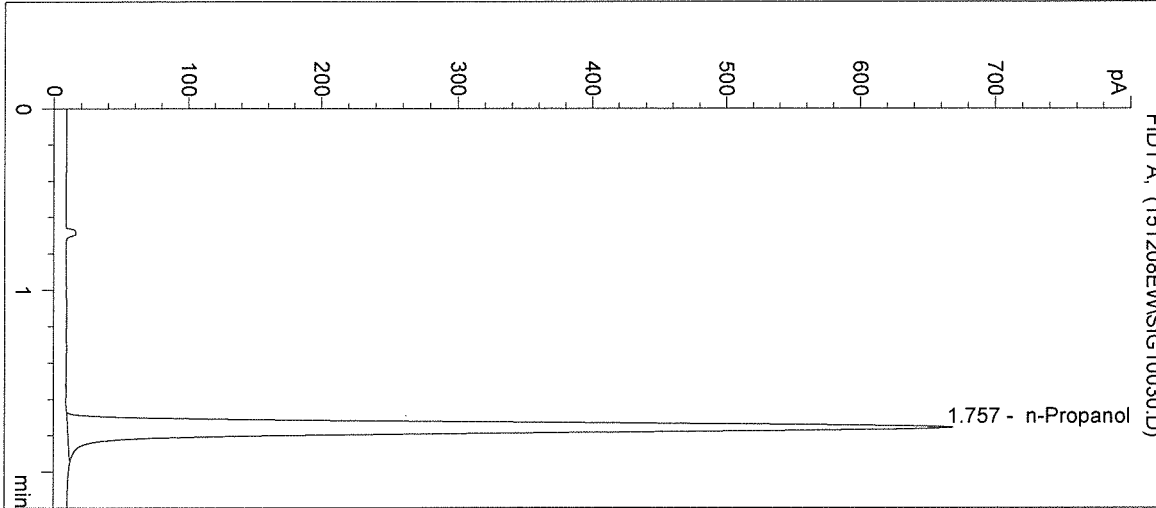


n-Propanol 0.012 g/100mL

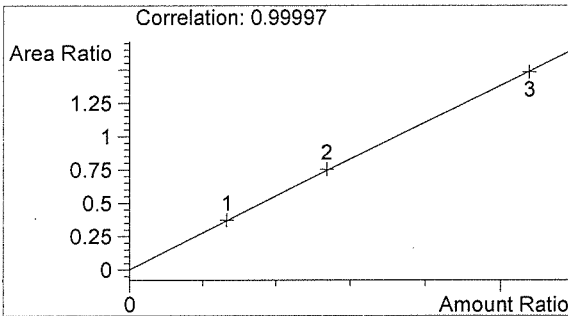
EW

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

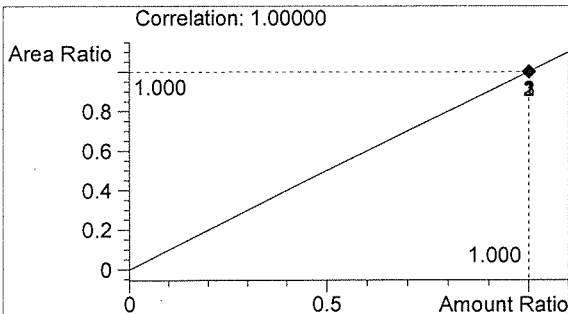
Inj. Date: 12/8/2015 10:52:06 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 30
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15059



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2592	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		

15059

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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!

15059

Initials

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

Inj. Date: 12/16/2015 4:12:24 PM

Sample Name: 15059-1

Instrument: HSGC#1

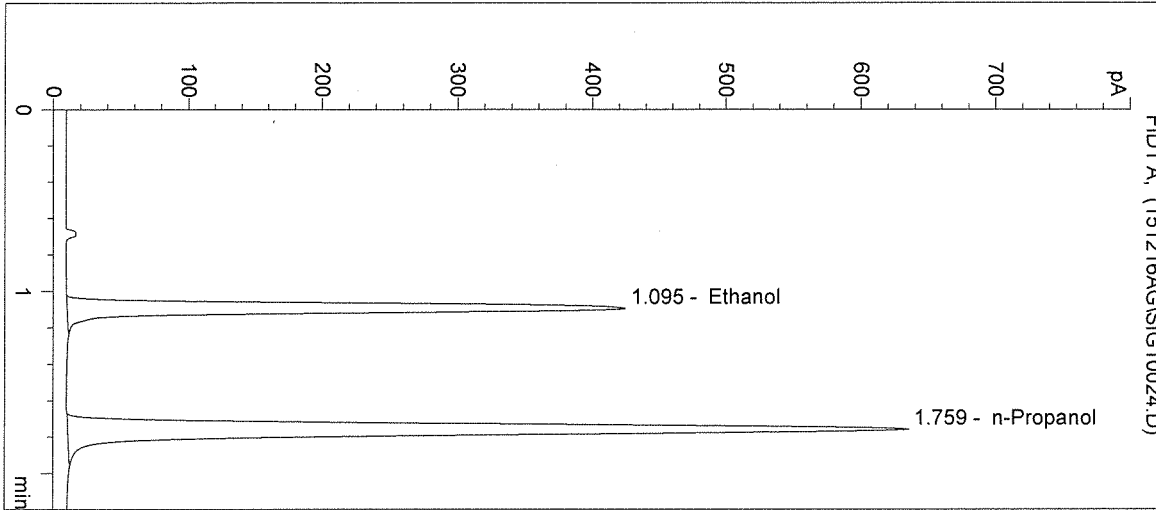
Operator: Andrew Gingras

Column: DB-ALC1

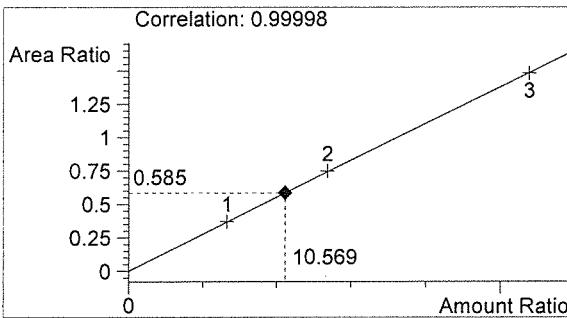
Location: Vial 24

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

Sample Info:

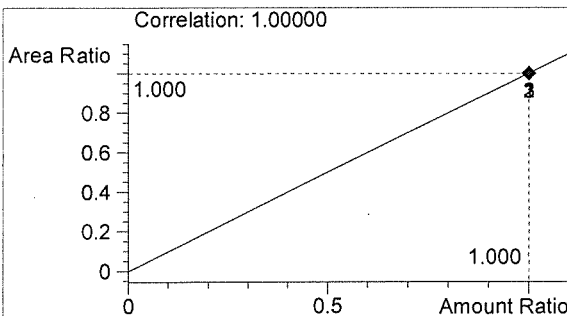


#	Compound	Peak Area	RT (min)
1	Ethanol	1466	1.095
2	n-Propanol	2504	1.759



Ethanol 0.127 g/100mL

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n-Propanol 0.012 g/100mL

Handwritten signature

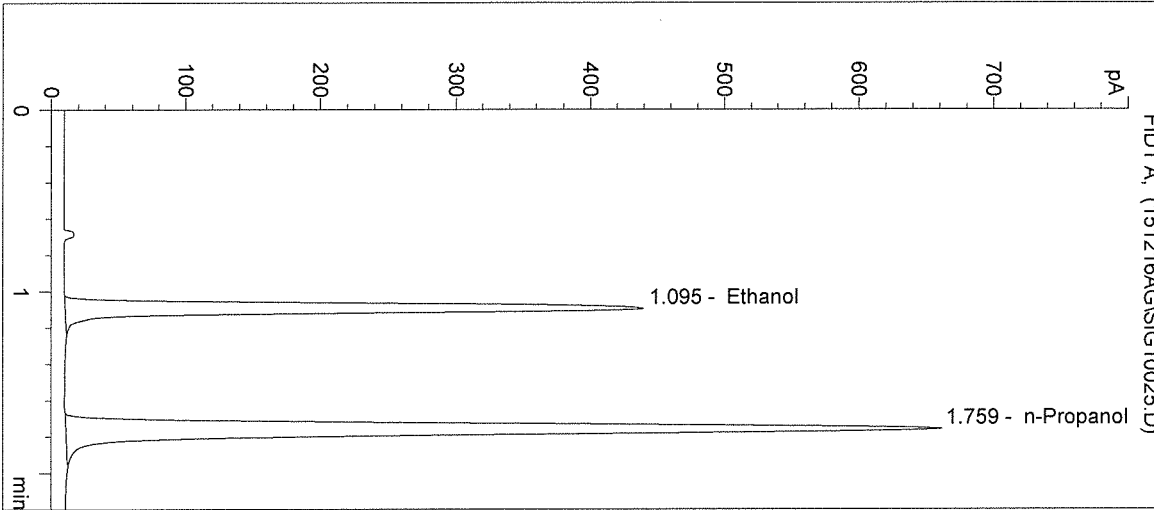
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2015 4:15:38 PM
Instrument: HSGC#1
Column: DB-ALC1

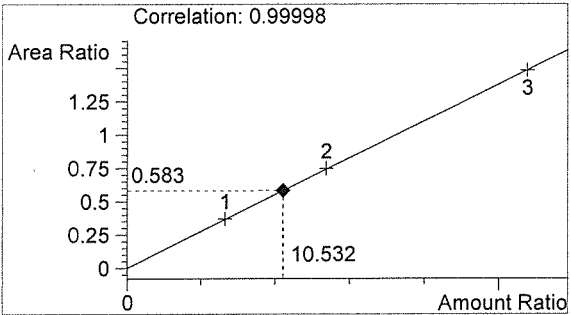
Sample Name: 15059-2
Operator: Andrew Gingras
Location: Vial 25

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

Sample Info:

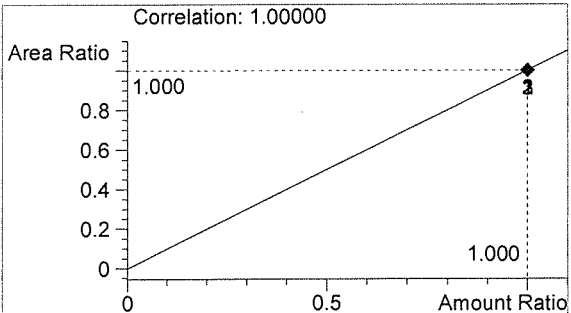


#	Compound	Peak Area	RT (min)
1	Ethanol	1518	1.095
2	n-Propanol	2603	1.759



Ethanol 0.126 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 4:18:51 PM

Sample Name: 15059-3

Instrument: HSGC#1

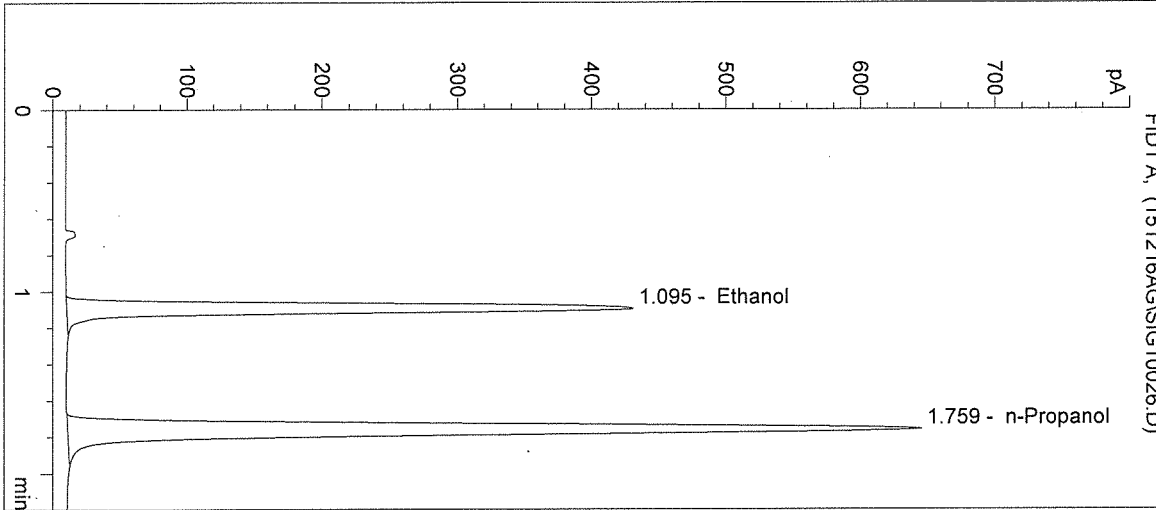
Operator: Andrew Gingras

Column: DB-ALC1

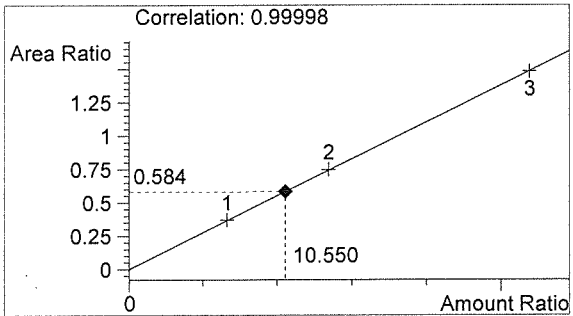
Location: Vial 26

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

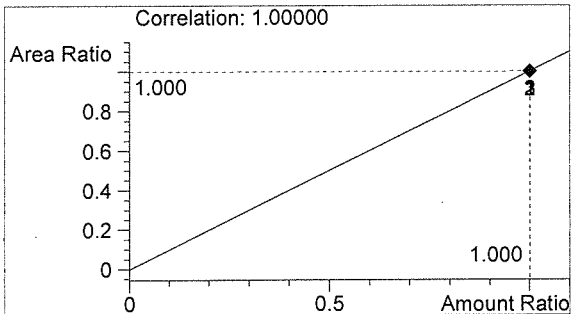
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1493	1.095
2	n-Propanol	2555	1.759



Ethanol 0.127 g/100mL



n-Propanol 0.012 g/100mL

fr

AG

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

Inj. Date: 12/16/2015 4:22:03 PM

Sample Name: 15059-4

Instrument: HSGC#1

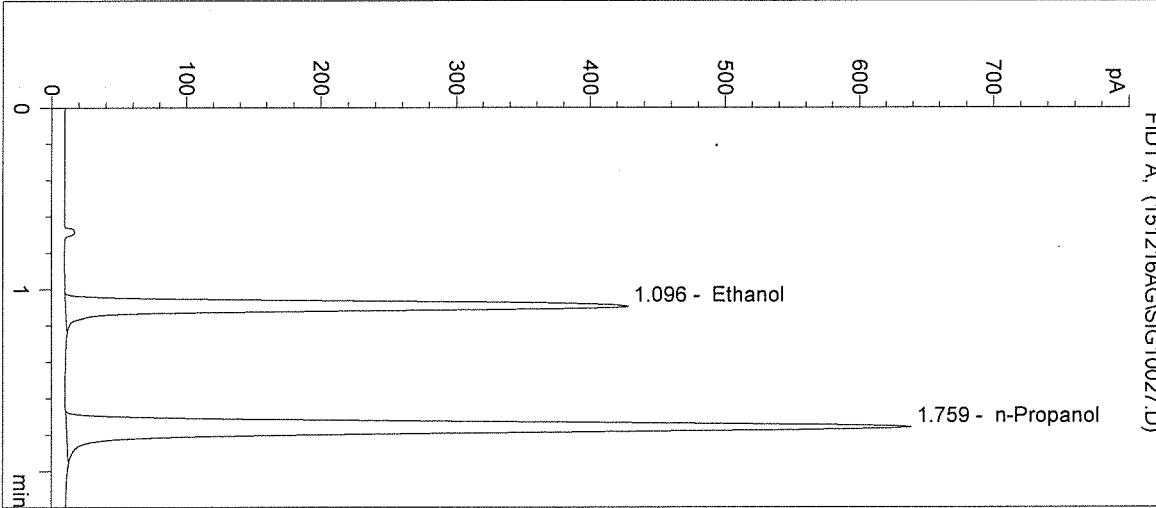
Operator: Andrew Gingras

Column: DB-ALC1

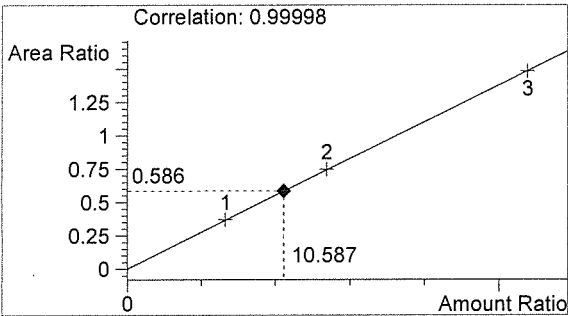
Location: Vial 27

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

Sample Info:

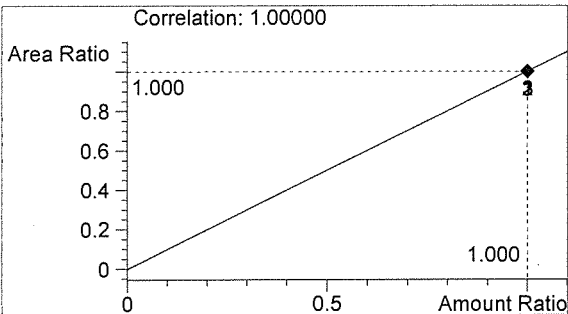


#	Compound	Peak Area	RT (min)
1	Ethanol	1480	1.096
2	n-Propanol	2525	1.759



Ethanol 0.127 g/100mL

fr



n-Propanol 0.012 g/100mL

16

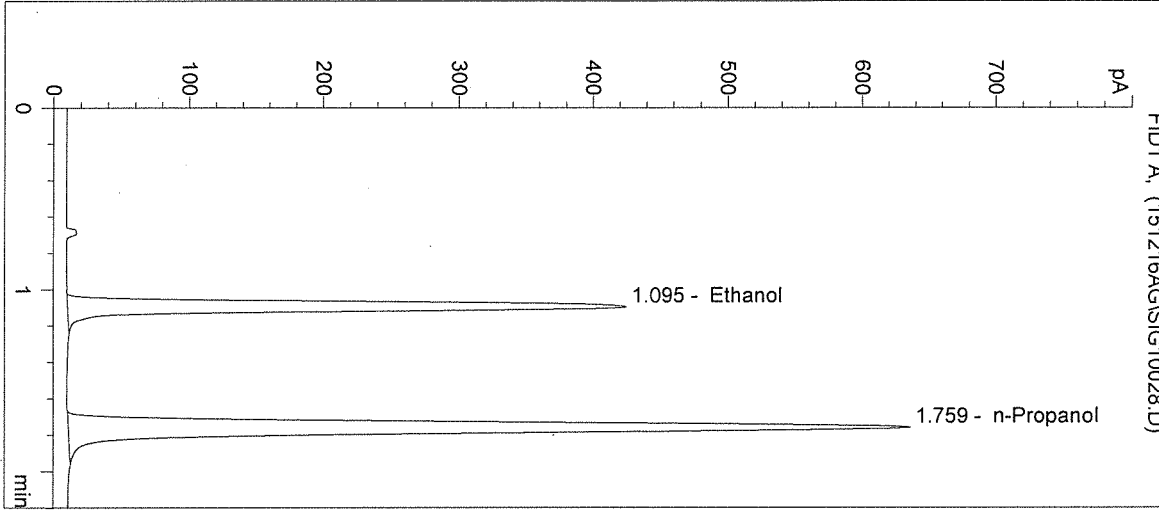
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 12/16/2015 4:25:16 PM
Instrument: HSGC#1

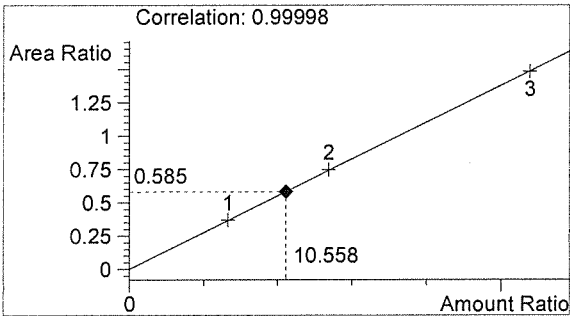
Sample Name: 15059-5
Operator: Andrew Gingras
Location: Vial 28

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

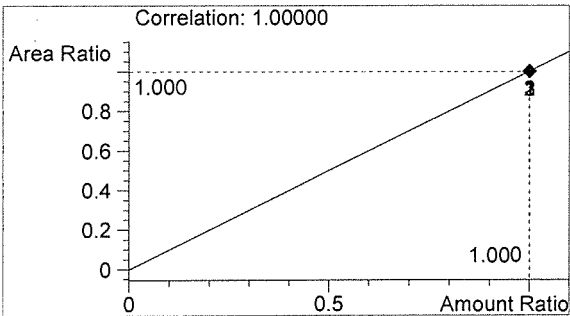
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1466	1.095
2	n-Propanol	2508	1.759



Ethanol 0.127 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: 12/16/2015 4:28:29 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

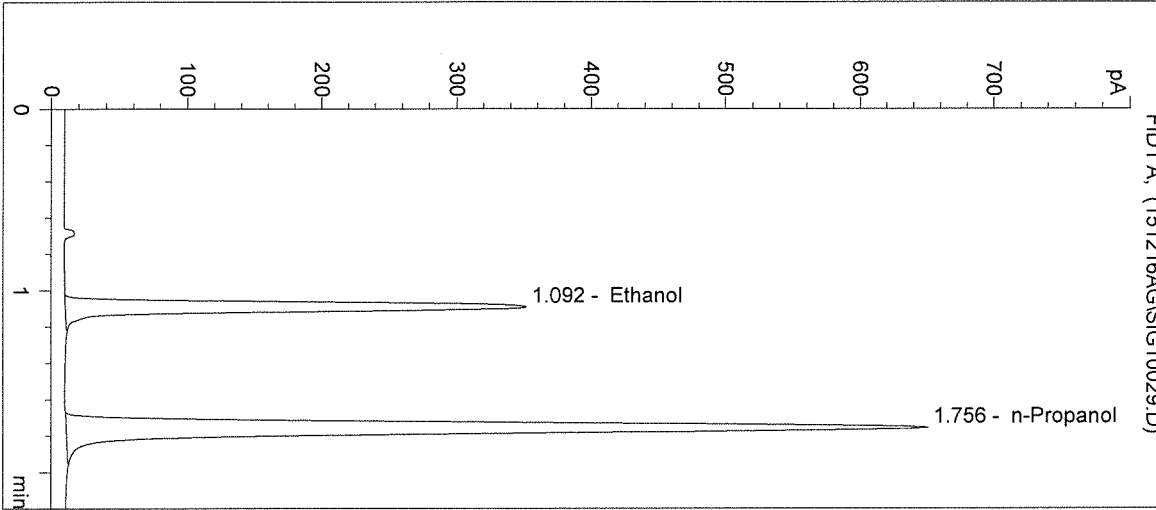
Operator: Andrew Gingras

Column: DB-ALC1

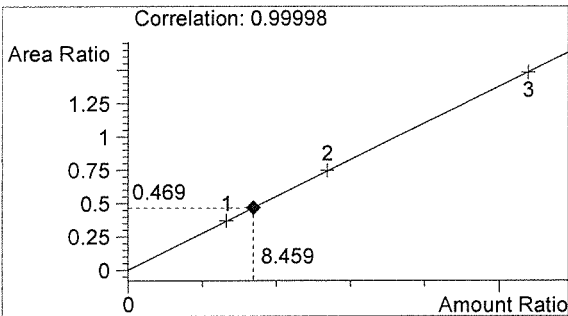
Location: Vial 29

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

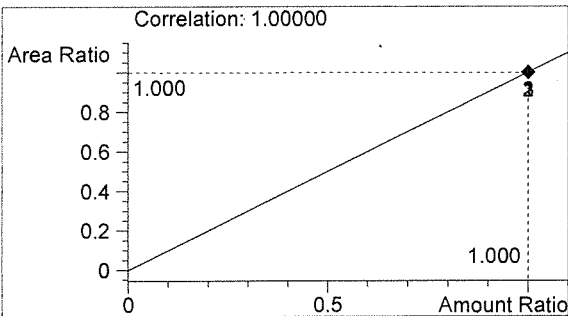
Sample Info: 15059



#	Compound	Peak Area	RT (min)
1	Ethanol	1197	1.092
2	n-Propanol	2551	1.756



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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

Inj. Date: 12/16/2015 4:31:43 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

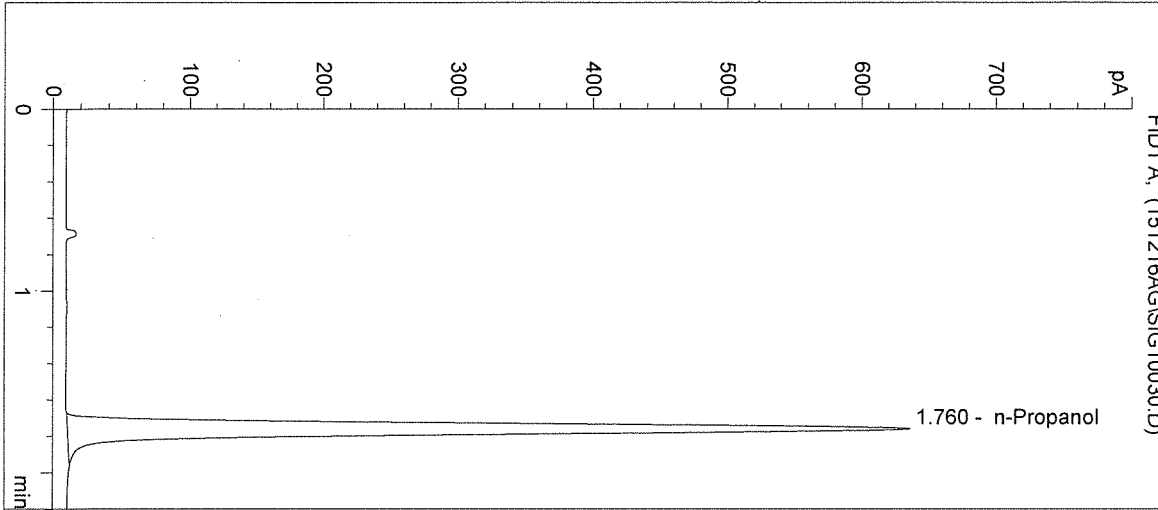
Operator: Andrew Gingras

Column: DB-ALC1

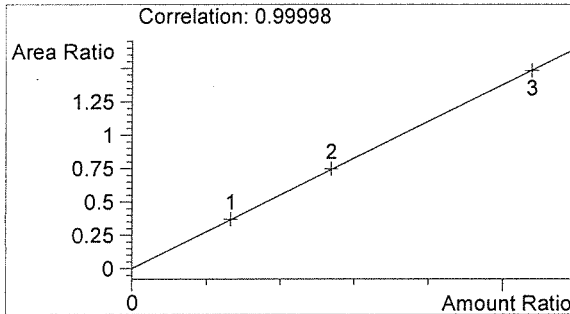
Location: Vial 30

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

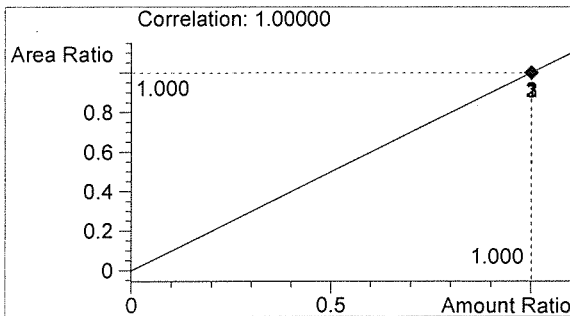
Sample Info: 15059



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2519	1.760



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten mark

Handwritten mark