



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16027

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: 0.20 g/210L
DATE PREPARED: 06/27/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	AG	JLK
1	0.253	0.245	0.249
2	0.254	0.250	0.249
3	0.249	0.246	0.250
4	0.250	0.249	0.250
5	0.250	0.251	0.250
C	0.103	0.102	0.102

ETHANOL CONTROL INFORMATION


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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.2497 g/100mL PRECISION CV (%): 0.89
STANDARD DEVIATION: 0.00223 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.2030 g/210L**
EXPANDED UNCERTAINTY: ± 0.0046 (k=2, 95.45% confidence interval)

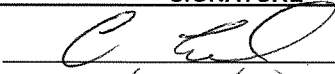

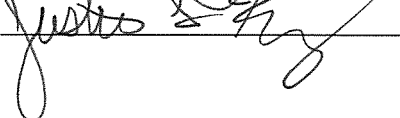
WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Lisa Noble Forensic Scientist Supervisor

7/29/16
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		06/27/2016
AG	Andrew Gingras		06/28/2016
JLK	Justin L. Knoy		06/30/2016

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

QAP Solution Batch #: 16027

Date Prepared: 6/27/2016

Analyst:	AJL	AG	JLK
Date Tested:	6/27/2016	6/28/2016	6/30/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.253	0.245	0.249
2	0.254	0.250	0.249
3	0.249	0.246	0.250
4	0.250	0.249	0.250
5	0.250	0.251	0.250
C	0.103	0.102	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000052967	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.2497 g/100mL
 Standard Deviation: 0.00223 g/100mL
 Precision CV (%): 0.89
 Equivalent Vapor Concentration: 0.2030 g/210L
 Combined Standard Uncertainty (\pm): 0.0023 g/210L
 Expanded Uncertainty (\pm): 0.0046 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble [Signature] 7/6/16
 Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 7-28-16 Method: Hand calculation
 Name Signature Date

Tech. review performed by: Lisa Noble [Signature] 7/6/16
 Name Signature Date

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M Black

Date: 7-28-14

Location: WSP-FLSB Seattle, WA

Solution Batch Number: 16027

	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: 7-28-14



SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras	<i>AG</i>	7/7/16
Asa Louis	<i>A</i>	20160706
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy	<i>JK</i>	7.7.16
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16027 *for 7/7/16*

JK

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

**0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16027**

I, Asa J. Louis, 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: B.S. degree in Biochemistry and over ten years of toxicology experience.

The quality assurance procedure (QAP) solution, Lot Number 16027, was prepared in the Washington State Toxicology Laboratory on 6/27/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 6/27/2017.

Seattle, WA

 20160706

Asa J. Louis
Forensic Scientist

Date



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16027**

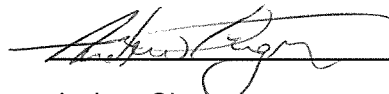
I, Andrew Gingras, do certify under penalty of perjury that:

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 16027, was prepared in the Washington State Toxicology Laboratory on 6/27/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 6/27/2017.

Seattle, WA

 7/7/16

Andrew Gingras Date
Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16027**

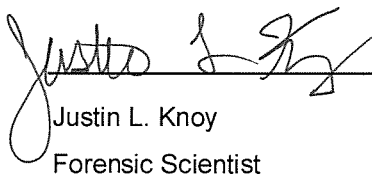
I, Justin L. Knoy, do certify under penalty of perjury that:

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 Biology, and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 16027, was prepared in the Washington State Toxicology Laboratory on 6/27/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 6/27/2017.

Seattle, WA

 7.7.16
Justin L. Knoy Date
Forensic Scientist



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

Preparation Date: 20160627 Expiration Date: 20170627 Initials of Preparer: AK

Lot # of 200-proof Ethanol used in preparation: 2DK 0010

Date the 200-proof Ethanol bottle was opened: 20160608

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>16023</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	16024 (12.4 mL) or 20160627
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>16025</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16026</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>16027</u>
ESS	66.5	52	<input type="checkbox"/>	

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed Date 20160627

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: QAP 16024 discarded - incorrect volume of EtOH used

[Signature]
Analyst Signature

20160627
Date

Sequence Parameters:

Operator: asa louis
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 160627AL
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

cal 1 e0416-01 exp 10/01/2016
 cal 2 e0416-02 exp 10/01/2016
 cal 3 e0416-03 exp 10/01/2016 *FN05011301*
 0.04 control - lot ~~fn15011301~~ exp 05/2018 *AL 20160628*
 0.10 control - lot fn08051301 exp 10/2018
 0.20 control - lot fn03211401 exp 06/2019
 istd p0516 exp 08/31/2016

 cal data in qap 16023

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 - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	qap 16023 #1	SIMALC1	1	Sample		
11	Vial 11	qap 16023 #2	SIMALC1	1	Sample		
12	Vial 12	qap 16023 #3	SIMALC1	1	Sample		
13	Vial 13	qap 16023 #4	SIMALC1	1	Sample		
14	Vial 14	qap 16023 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC1	1	Ctrl Samp		
17	Vial 17	qap 16024 #1	SIMALC1	1	Sample		
18	Vial 18	qap 16024 #2	SIMALC1	1	Sample		
19	Vial 19	qap 16024 #3	SIMALC1	1	Sample		
20	Vial 20	qap 16024 #4	SIMALC1	1	Sample		
21	Vial 21	qap 16024 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC1	1	Ctrl Samp		
24	Vial 24	qap 16025 #1	SIMALC1	1	Sample		
25	Vial 25	qap 16025 #2	SIMALC1	1	Sample		
26	Vial 26	qap 16025 #3	SIMALC1	1	Sample		
27	Vial 27	qap 16025 #4	SIMALC1	1	Sample		
28	Vial 28	qap 16025 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC1	1	Ctrl Samp		

16027

fn7/6/16

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Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
31	Vial 31	qap 16026 #1	SIMALC1	1	Sample		
32	Vial 32	qap 16026 #2	SIMALC1	1	Sample		
33	Vial 33	qap 16026 #3	SIMALC1	1	Sample		
34	Vial 34	qap 16026 #4	SIMALC1	1	Sample		
35	Vial 35	qap 16026 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	SIMALC1	1	Ctrl Samp		
38	Vial 38	qap 16027 #1	SIMALC1	1	Sample		
39	Vial 39	qap 16027 #2	SIMALC1	1	Sample		
40	Vial 40	qap 16027 #3	SIMALC1	1	Sample		
41	Vial 41	qap 16027 #4	SIMALC1	1	Sample		
42	Vial 42	qap 16027 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
44	Vial 44	neg ctrl - al	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!

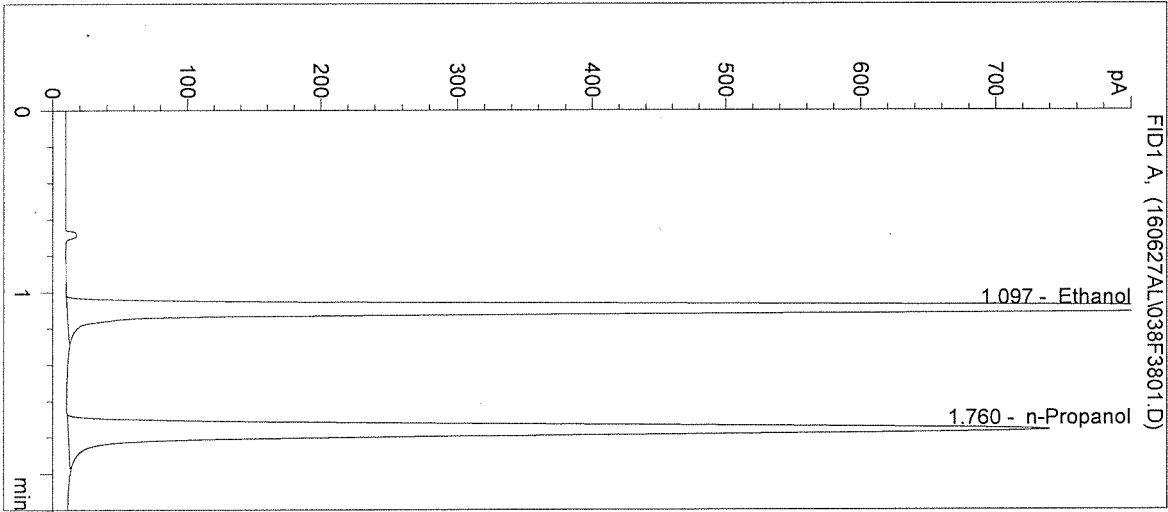
16027

Jr 7/16/16

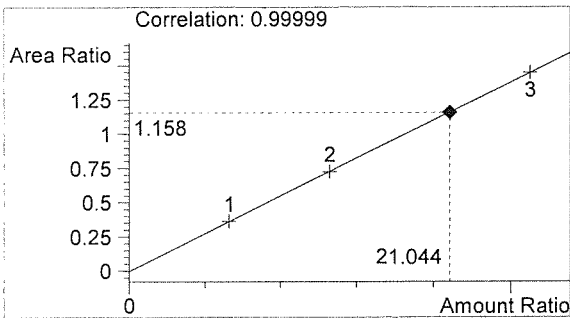
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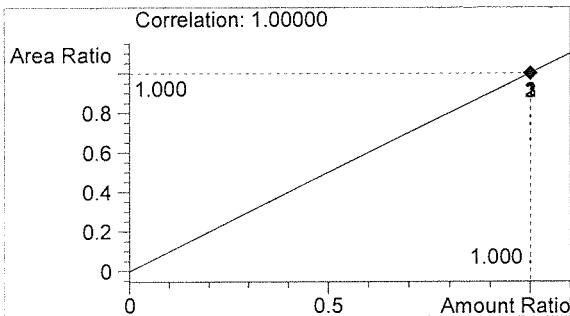
Inj. Date: 6/27/2016 12:17:26 PM Sample Name: gap 16027 #1
 Instrument: HSGC#1 Operator: asa louis
 Column: DB-ALC1 Location: Vial 38
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3381	1.097
2	n-Propanol	2920	1.760



Ethanol 0.253 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 6/27/2016 12:20:39 PM

Sample Name: gap 16027 #2

Instrument: HSGC#1

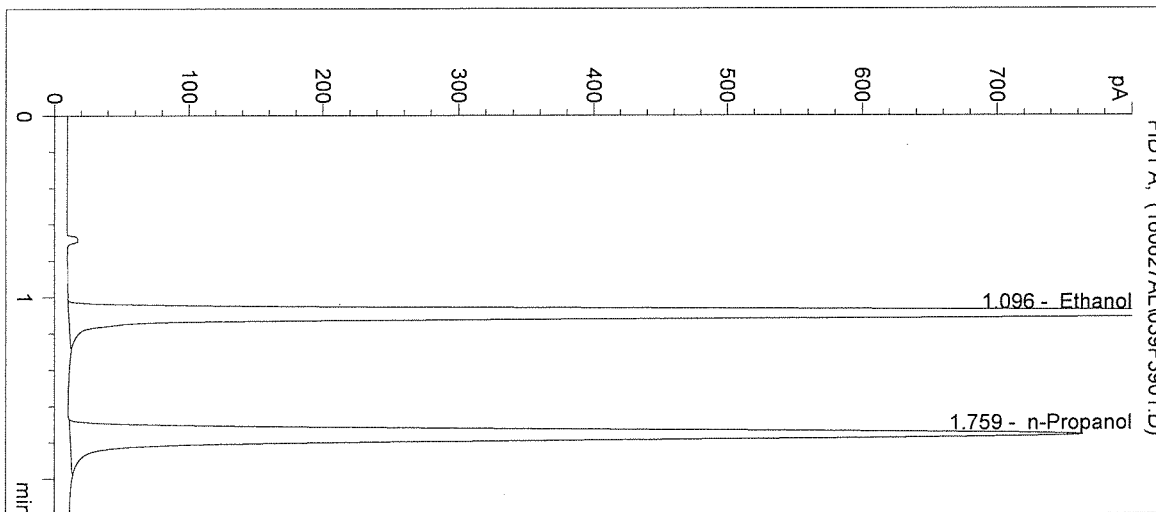
Operator: asa louis

Column: DB-ALC1

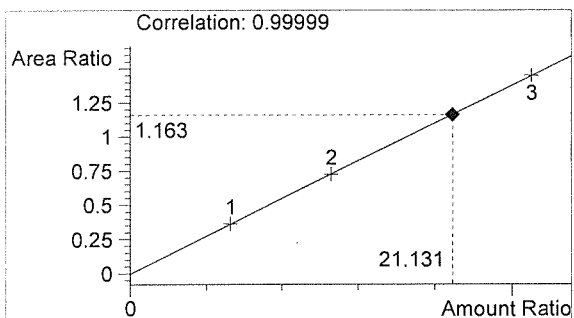
Location: Vial 39

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

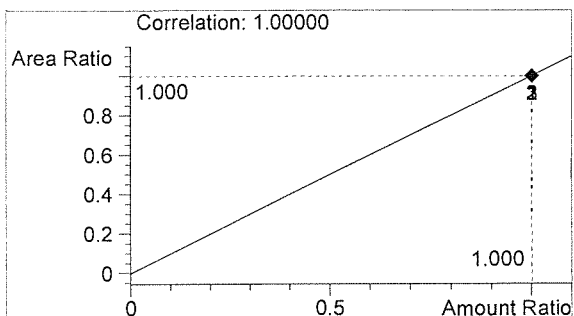
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3506	1.096
2	n-Propanol	3016	1.759



Ethanol 0.254 g/100mL



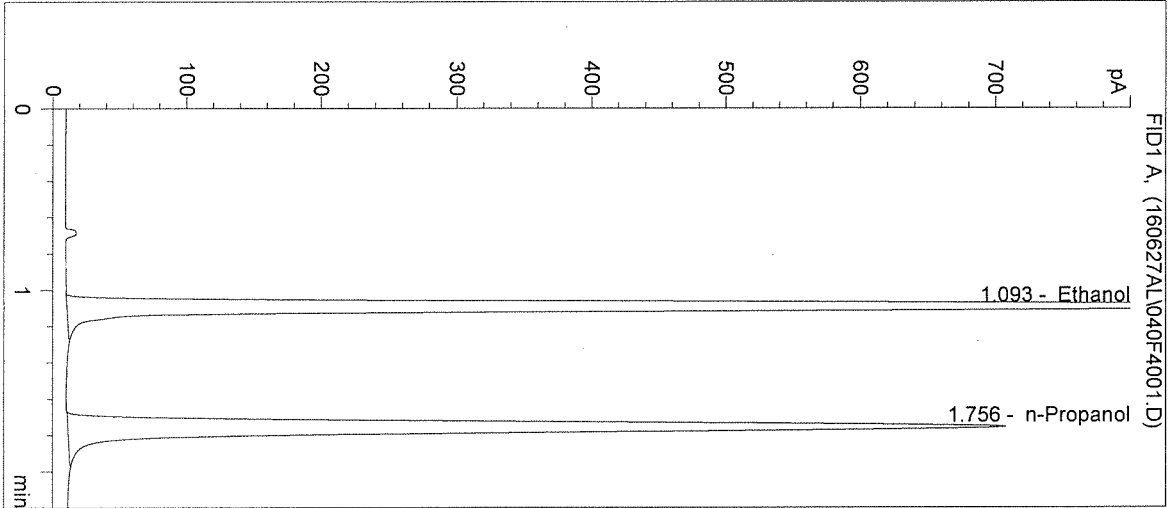
n-Propanol 0.012 g/100mL

fr

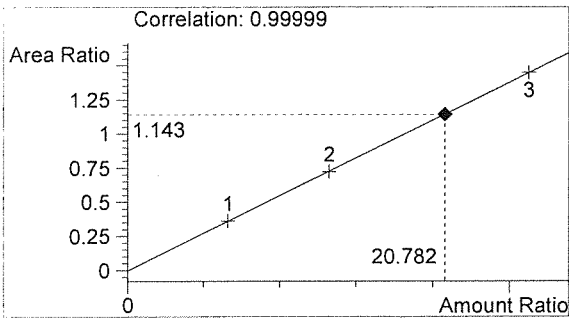
AL

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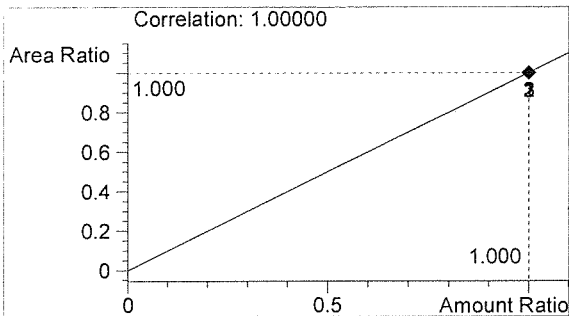
Inj. Date: 6/27/2016 12:23:52 PM Sample Name: gap 16027 #3
 Instrument: HSGC#1 Operator: asa louis
 Column: DB-ALC1 Location: Vial 40
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3159	1.093
2	n-Propanol	2762	1.756



Ethanol 0.249 g/100mL



n-Propanol 0.012 g/100mL

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Inj. Date: 6/27/2016 12:27:05 PM

Sample Name: gap 16027 #4

Instrument: HSGC#1

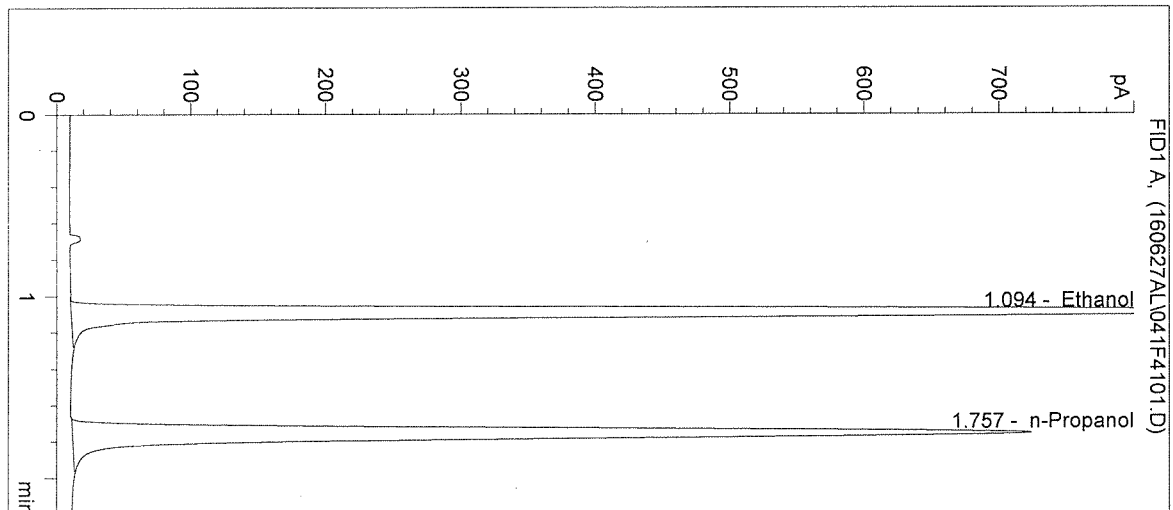
Operator: asa louis

Column: DB-ALC1

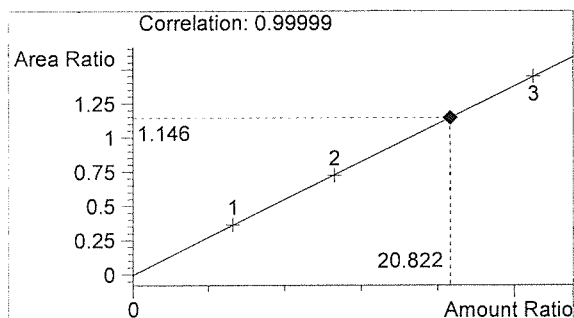
Location: Vial 41

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

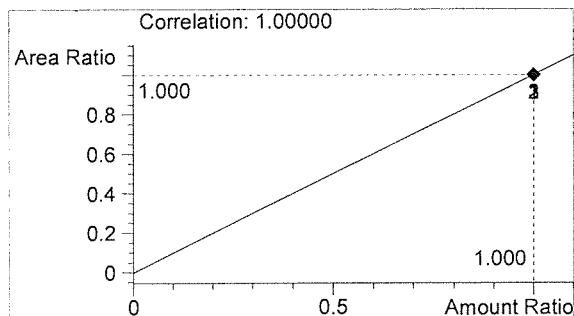
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3243	1.094
2	n-Propanol	2831	1.757



Ethanol 0.250 g/100mL



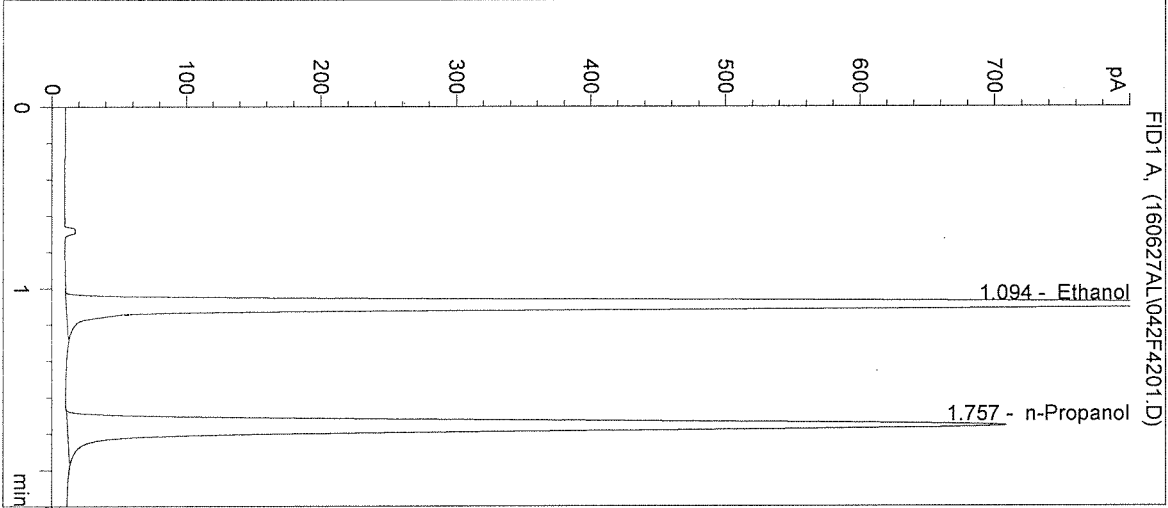
n-Propanol 0.012 g/100mL

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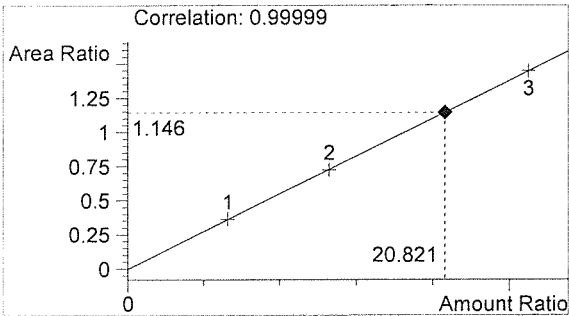
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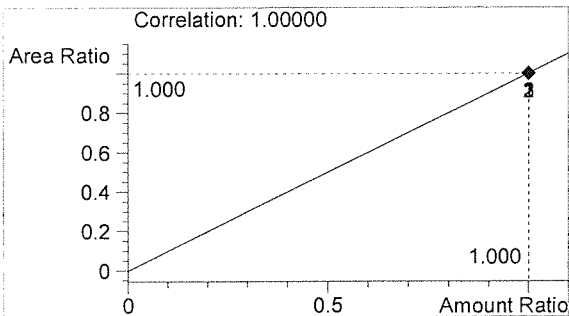
Inj. Date: 6/27/2016 12:30:19 PM Sample Name: gap 16027 #5
 Instrument: HSGC#1 Operator: asa louis
 Column: DB-ALC1 Location: Vial 42
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3169	1.094
2	n-Propanol	2766	1.757



Ethanol 0.250 g/100mL



n-Propanol 0.012 g/100mL

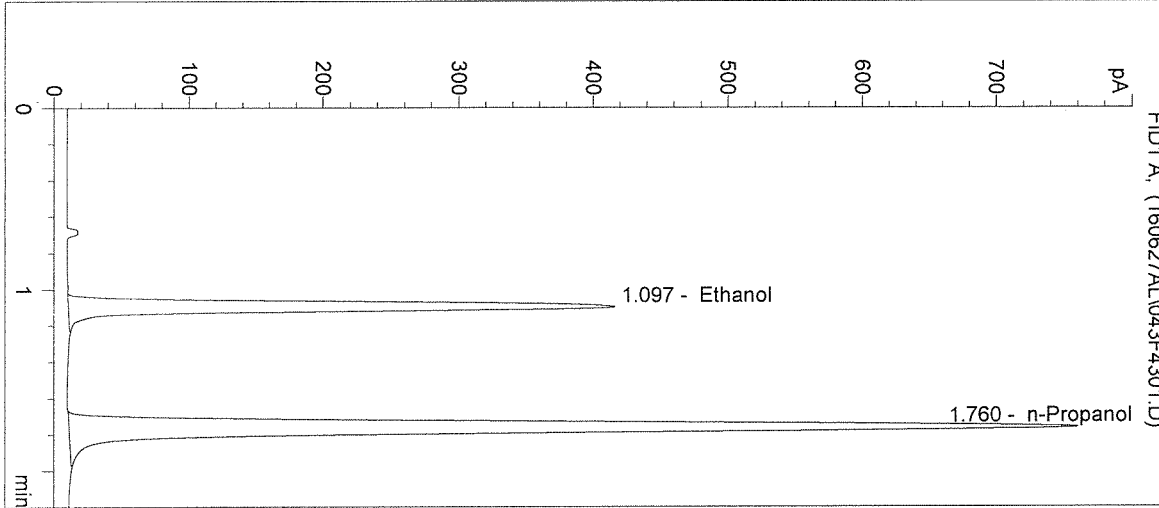
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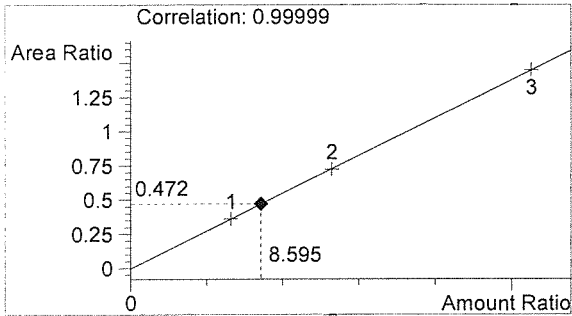
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Inj. Date: 6/27/2016 12:33:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: gap 16027

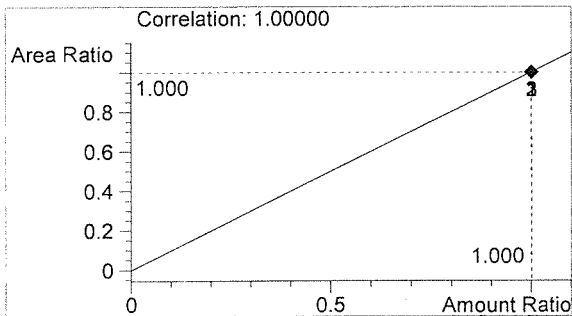
Sample Name: 0.10 ctrl - al
Operator: asa louis
Location: Vial 43



#	Compound	Peak Area	RT (min)
1	Ethanol	1422	1.097
2	n-Propanol	3014	1.760



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

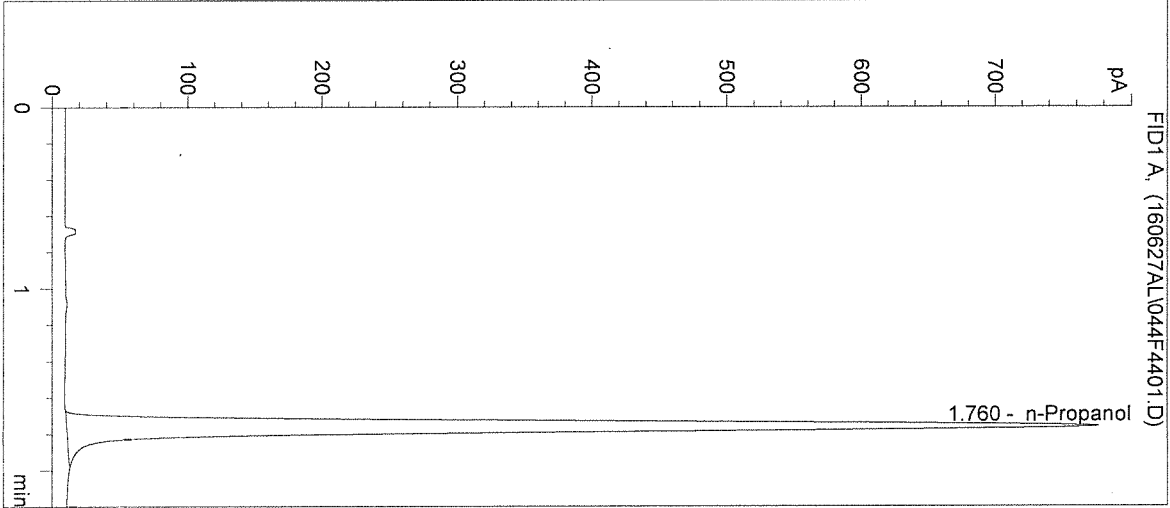
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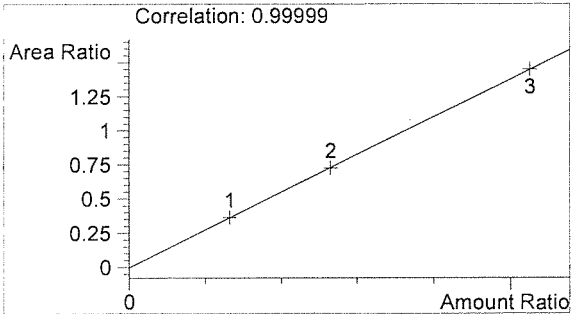
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Inj. Date: 6/27/2016 12:36:45 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: qap 16027

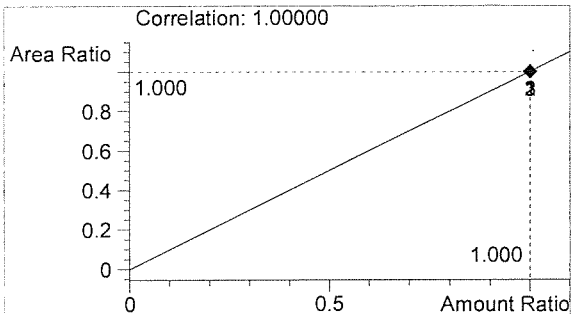
Sample Name: neg ctrl - al
 Operator: asa louis
 Location: Vial 44



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3079	1.760



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

Handwritten signature

Sequence Parameters:

Operator: Andrew Gingras
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 160628A2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

cal 1 e0416-01 exp 10/01/2016
 cal 2 e0416-02 exp 10/01/2016
 cal 3 e0416-03 exp 10/01/2016
 0.04 control - lot fn05011301 exp 05/2018
 0.10 control - lot fn08051301 exp 10/2018
 0.20 control - lot fn03211401 exp 06/2019
 istd p0516 exp 08/31/2016

 cal data in gap 16023

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	gap 16023 #1	SIMALC1	1	Sample		
11	Vial 11	gap 16023 #2	SIMALC1	1	Sample		
12	Vial 12	gap 16023 #3	SIMALC1	1	Sample		
13	Vial 13	gap 16023 #4	SIMALC1	1	Sample		
14	Vial 14	gap 16023 #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	gap 16025 #1	SIMALC1	1	Sample		
18	Vial 18	gap 16025 #2	SIMALC1	1	Sample		
19	Vial 19	gap 16025 #3	SIMALC1	1	Sample		
20	Vial 20	gap 16025 #4	SIMALC1	1	Sample		
21	Vial 21	gap 16025 #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	gap 16026 #1	SIMALC1	1	Sample		
25	Vial 25	gap 16026 #2	SIMALC1	1	Sample		
26	Vial 26	gap 16026 #3	SIMALC1	1	Sample		
27	Vial 27	gap 16026 #4	SIMALC1	1	Sample		
28	Vial 28	gap 16026 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl	SIMALC1	1	Ctrl Samp		
30	Vial 30	neg ctrl	SIMALC1	1	Ctrl Samp		

16027

R-716116

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
31	Vial 31	qap 16027 #1	SIMALC1	1	Sample		
32	Vial 32	qap 16027 #2	SIMALC1	1	Sample		
33	Vial 33	qap 16027 #3	SIMALC1	1	Sample		
34	Vial 34	qap 16027 #4	SIMALC1	1	Sample		
35	Vial 35	qap 16027 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 ctrl	SIMALC1	1	Ctrl Samp		
37	Vial 37	neg ctrl	SIMALC1	1	Ctrl Samp		
38	Vial 38	qap 16028 #1	SIMALC1	1	Sample		
39	Vial 39	qap 16028 #2	SIMALC1	1	Sample		
40	Vial 40	qap 16028 #3	SIMALC1	1	Sample		
41	Vial 41	qap 16028 #4	SIMALC1	1	Sample		
42	Vial 42	qap 16028 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 ctrl	SIMALC1	1	Ctrl Samp		
44	Vial 44	neg ctrl	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 cal 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 cal 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 cal 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16027

Jn716116

JG

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

Inj. Date: 6/28/2016 10:12:37 AM

Sample Name: gap 16027 #1

Instrument: HSGC#1

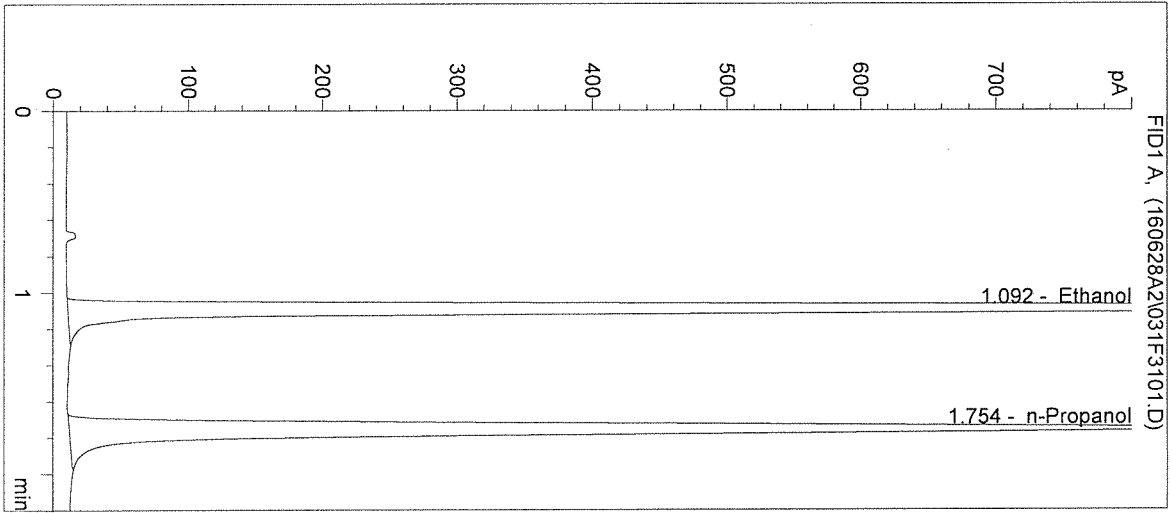
Operator: Andrew Gingras

Column: DB-ALC1

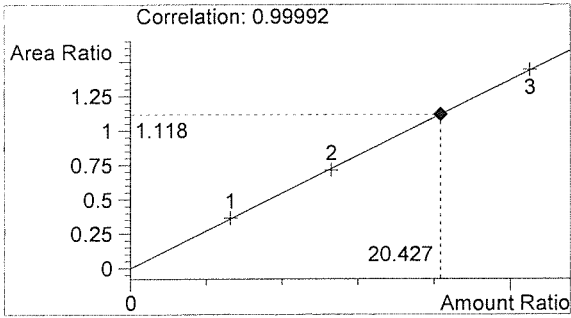
Location: Vial 31

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

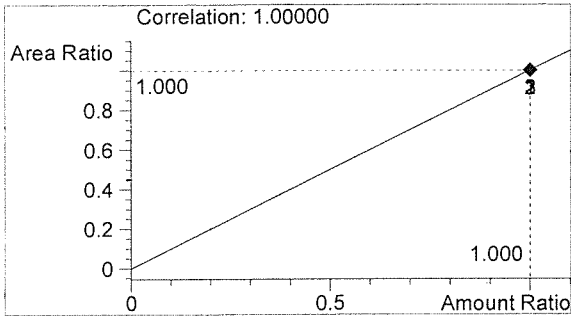
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3726	1.092
2	n-Propanol	3334	1.754



Ethanol 0.245 g/100mL



n-Propanol 0.012 g/100mL

fn

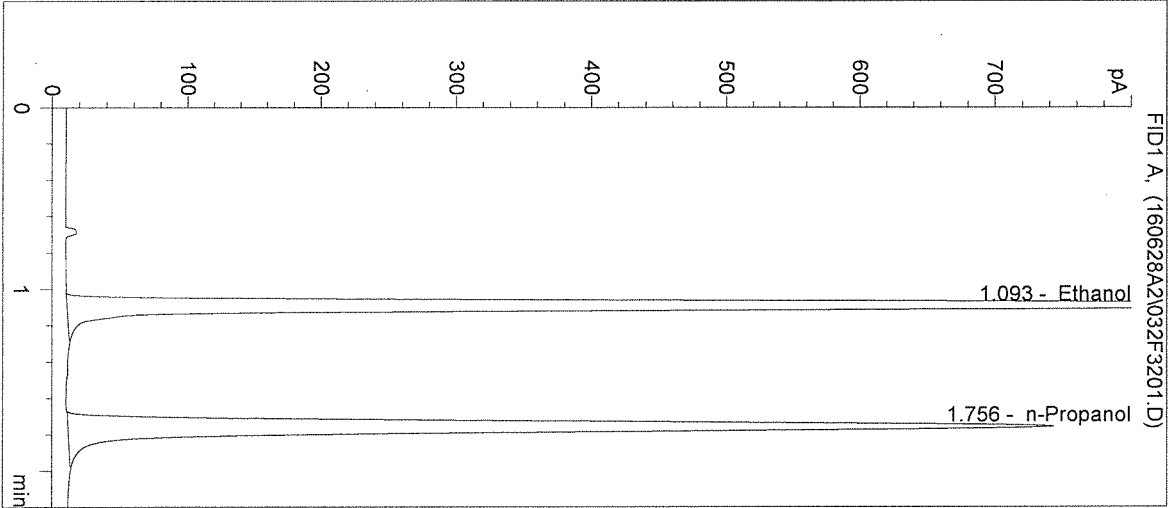
AG

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 2203 Airport Way S Seattle, WA 98134

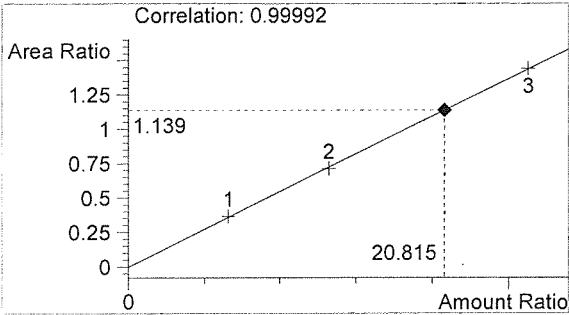
Inj. Date: 6/28/2016 10:15:51 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: gap 16027 #2
 Operator: Andrew Gingras
 Location: Vial 32

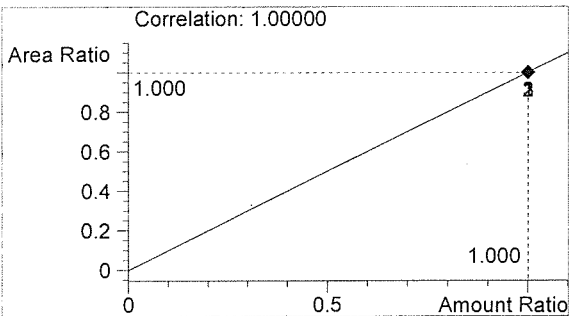
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3321	1.093
2	n-Propanol	2916	1.756



Ethanol 0.250 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature

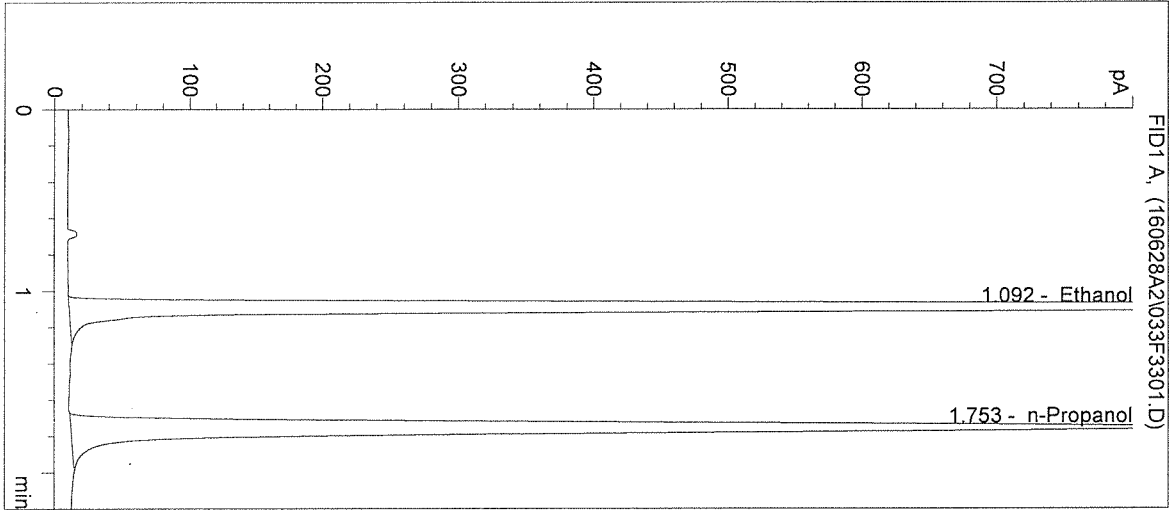
Handwritten signature

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

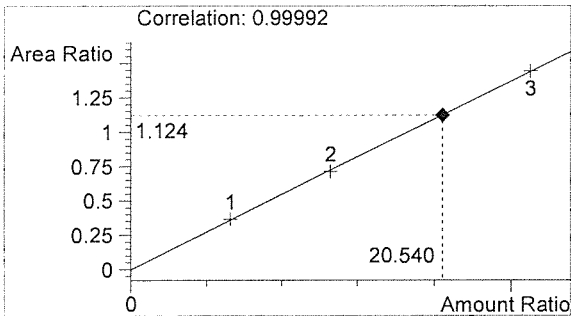
Inj. Date: 6/28/2016 10:19:04 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: qap 16027 #3
 Operator: Andrew Gingras
 Location: Vial 33

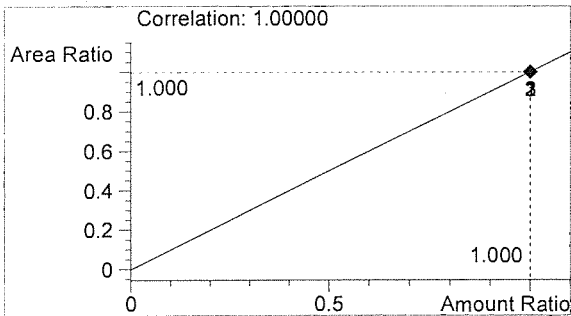
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3747	1.092
2	n-Propanol	3334	1.753



Ethanol 0.246 g/100mL



n-Propanol 0.012 g/100mL

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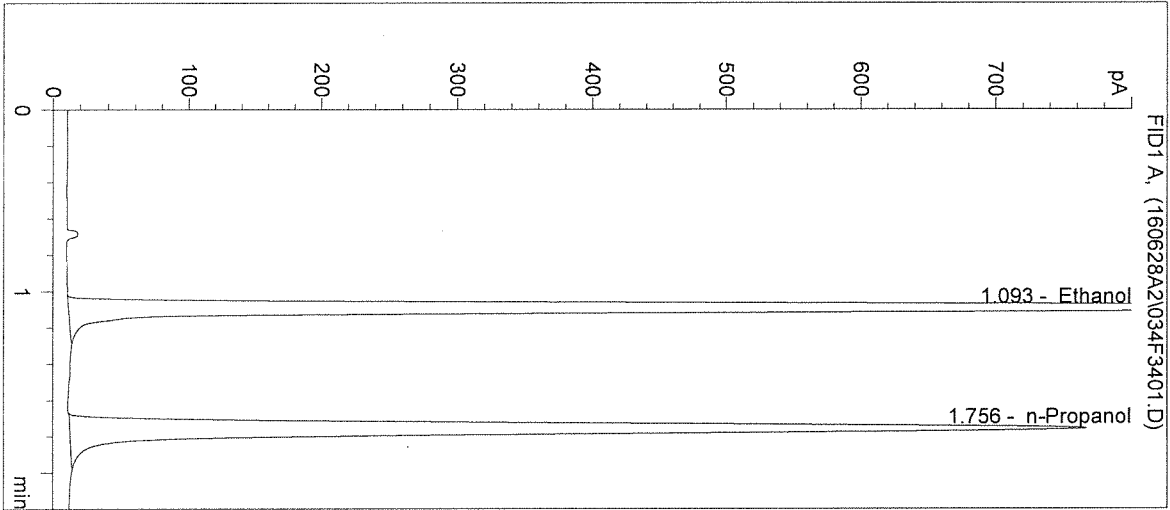
Handwritten signature

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 2203 Airport Way S Seattle, WA 98134

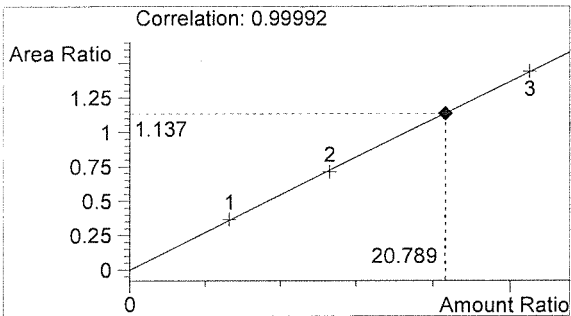
Inj. Date: 6/28/2016 10:22:16 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: gap 16027 #4
 Operator: Andrew Gingras
 Location: Vial 34

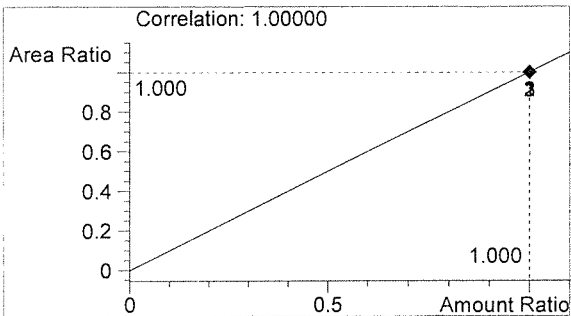
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3419	1.093
2	n-Propanol	3006	1.756



Ethanol 0.249 g/100mL



n-Propanol 0.012 g/100mL

fn

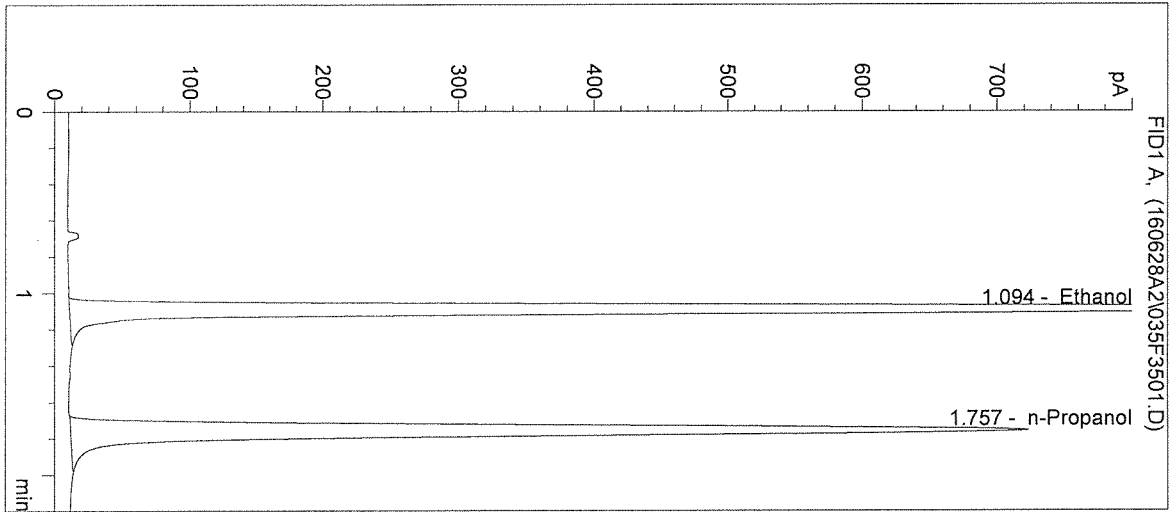
AG

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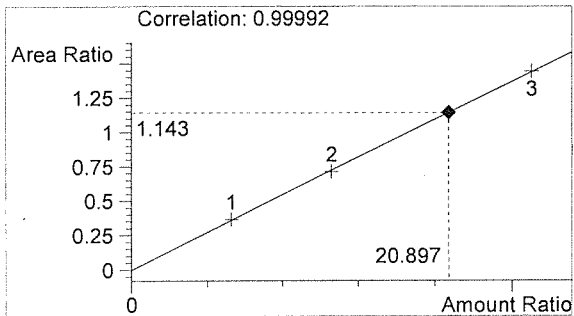
Inj. Date: 6/28/2016 10:25:29 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: qap 16027 #5
 Operator: Andrew Gingras
 Location: Vial 35

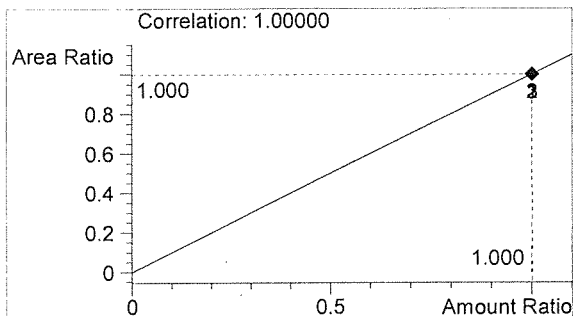
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3255	1.094
2	n-Propanol	2847	1.757



Ethanol 0.251 g/100mL



n-Propanol 0.012 g/100mL

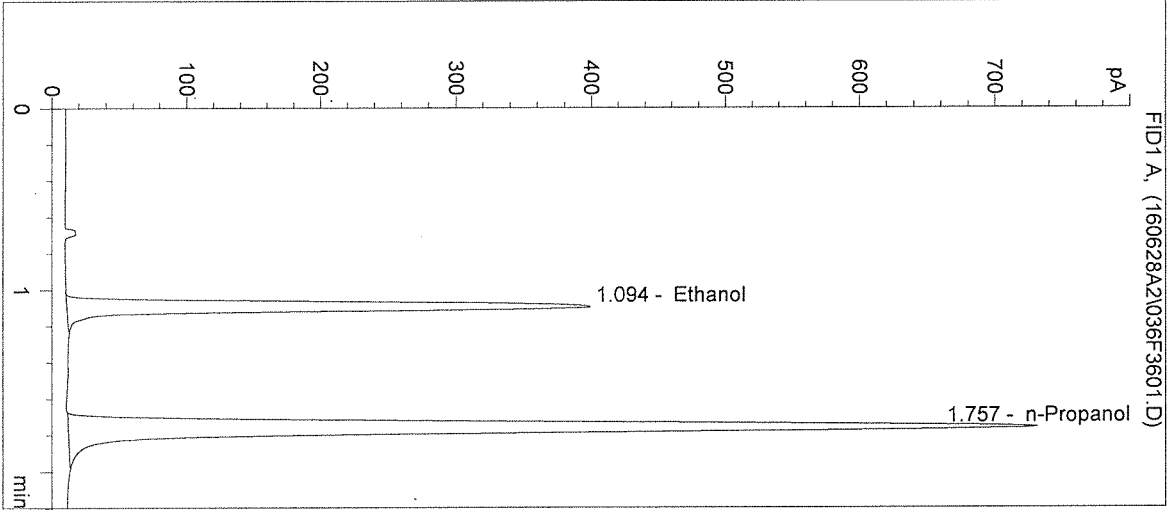
fr

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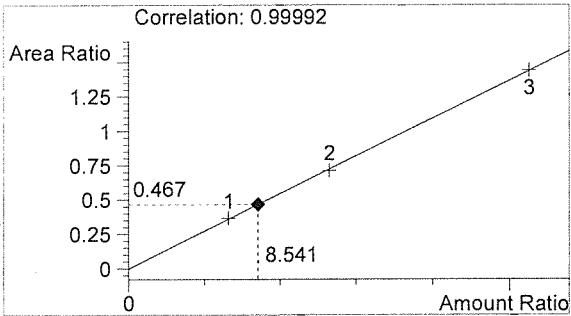
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 10:28:42 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: qap 16027

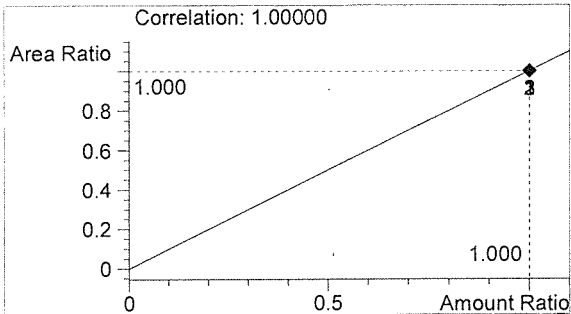
Sample Name: 0.10 ctrl
 Operator: Andrew Gingras
 Location: Vial 36



#	Compound	Peak Area	RT (min)
1	Ethanol	1342	1.094
2	n-Propanol	2876	1.757



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

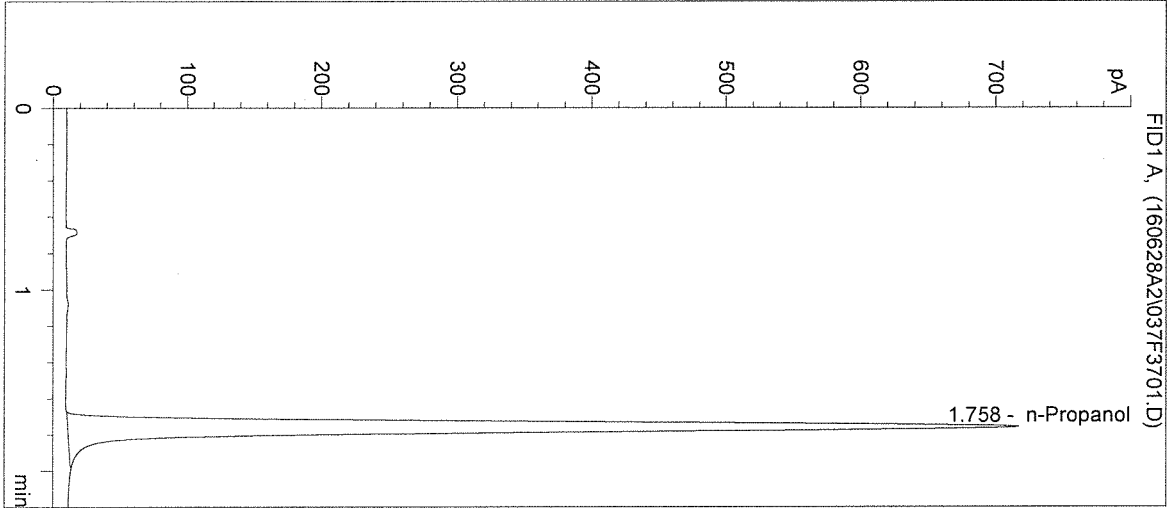
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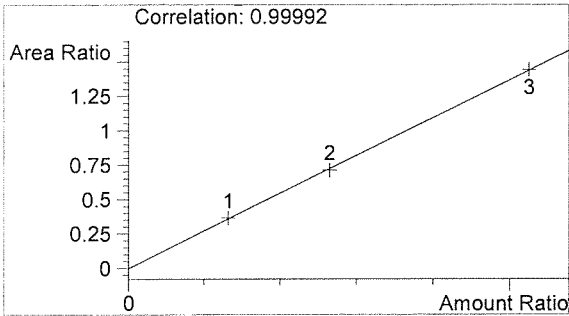
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 10:31:56 AM Sample Name: neg ctrl
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 37
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: gap 16026

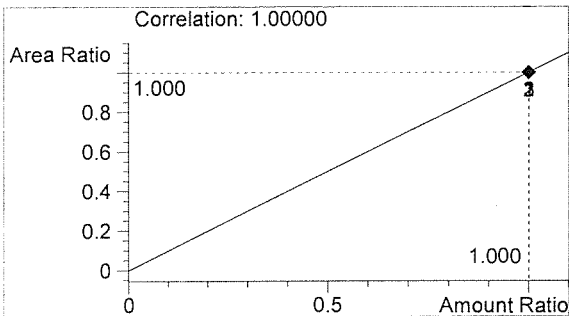
16027 *7/29/16*



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2827	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

for

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Sequence Parameters:

Operator: Justin Knoy
 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: 160630JK
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016
 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#P0516 - Exp. 08/31/2016

Calibration vials 1-9 filed with 16023.

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	16023-1	SIMALC1	1	Sample		
11	Vial 11	16023-2	SIMALC1	1	Sample		
12	Vial 12	16023-3	SIMALC1	1	Sample		
13	Vial 13	16023-4	SIMALC1	1	Sample		
14	Vial 14	16023-5	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	16025-1	SIMALC1	1	Sample		
18	Vial 18	16025-2	SIMALC1	1	Sample		
19	Vial 19	16025-3	SIMALC1	1	Sample		
20	Vial 20	16025-4	SIMALC1	1	Sample		
21	Vial 21	16025-5	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	16026-1	SIMALC1	1	Sample		
25	Vial 25	16026-2	SIMALC1	1	Sample		
26	Vial 26	16026-3	SIMALC1	1	Sample		

16027

for 16/16

JK

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	16026-4	SIMALC1	1	Sample		
28	Vial 28	16026-5	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	16027-1	SIMALC1	1	Sample		
32	Vial 32	16027-2	SIMALC1	1	Sample		
33	Vial 33	16027-3	SIMALC1	1	Sample		
34	Vial 34	16027-4	SIMALC1	1	Sample		
35	Vial 35	16027-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	16028-1	SIMALC1	1	Sample		
39	Vial 39	16028-2	SIMALC1	1	Sample		
40	Vial 40	16028-3	SIMALC1	1	Sample		
41	Vial 41	16028-4	SIMALC1	1	Sample		
42	Vial 42	16028-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16027

JK 7/16/16

JK

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

Inj. Date: 6/30/2016 11:02:40 AM

Sample Name: 16027-1

Instrument: HSGC#1

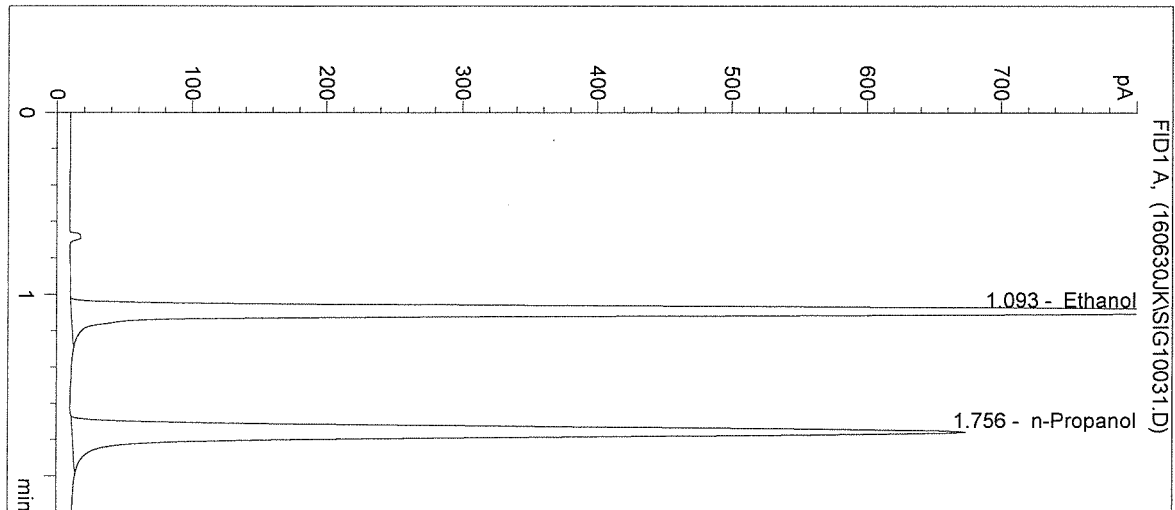
Operator: Justin Knoy

Column: DB-ALC1

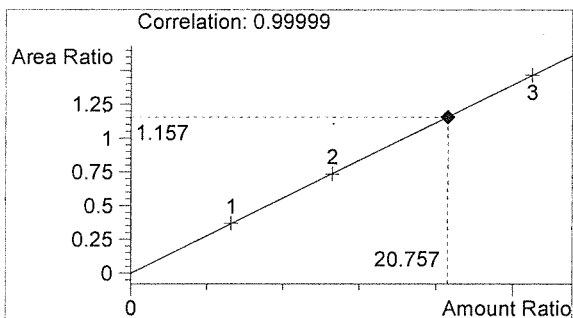
Location: Vial 31

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

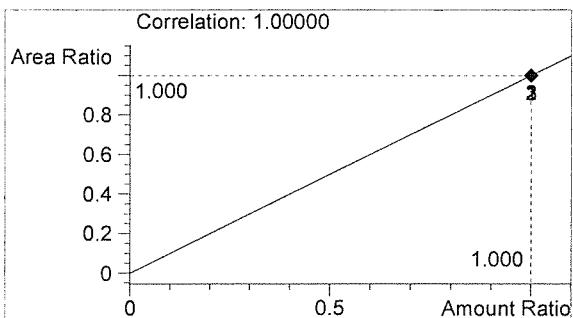
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3076	1.093
2	n-Propanol	2659	1.756



Ethanol 0.249 g/100mL



n-Propanol 0.012 g/100mL

JK

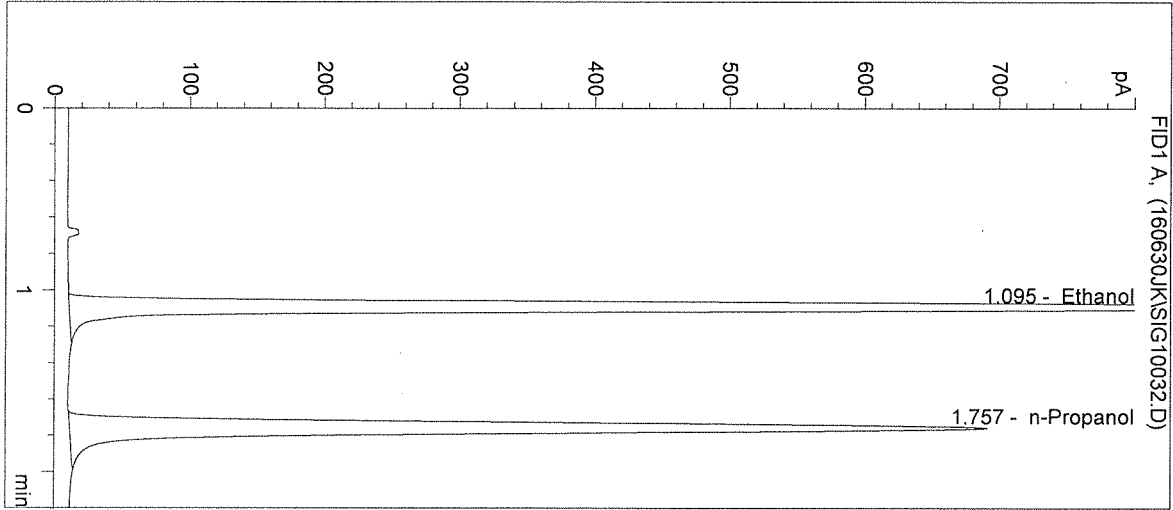
JK

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 2203 Airport Way S Seattle, WA 98134

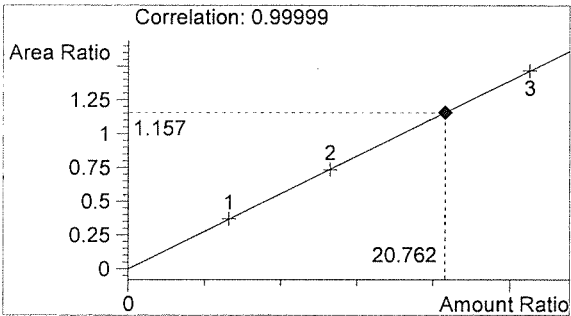
Inj. Date: 6/30/2016 11:05:53 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16027-2
 Operator: Justin Knoy
 Location: Vial 32

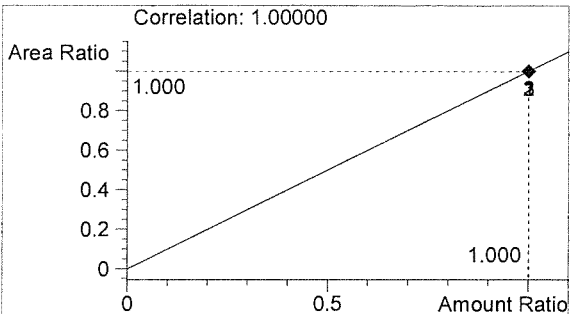
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3186	1.095
2	n-Propanol	2753	1.757



Ethanol 0.249 g/100mL



n-Propanol 0.012 g/100mL

JK

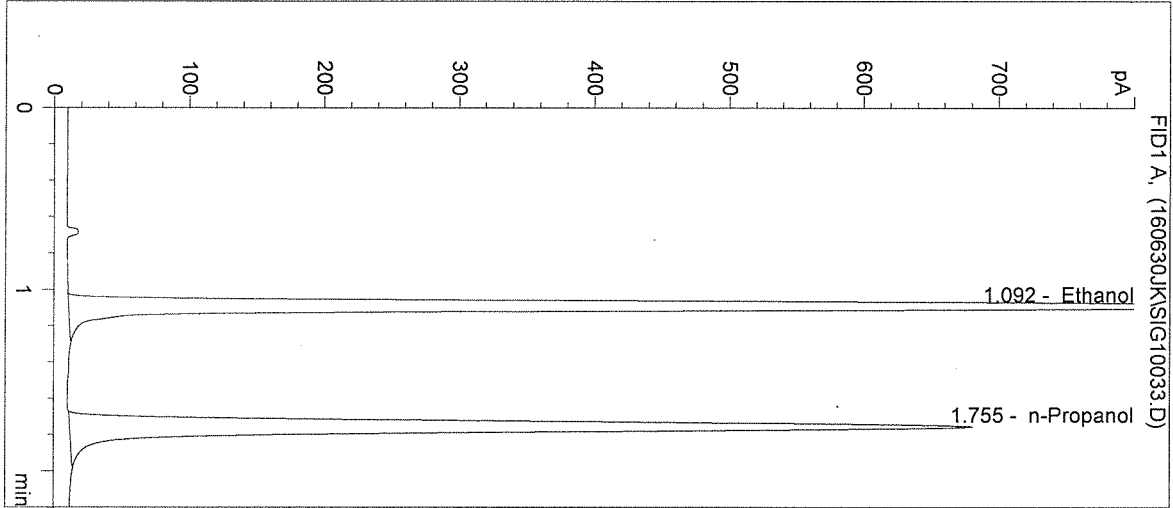
JK

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 2203 Airport Way S Seattle, WA 98134

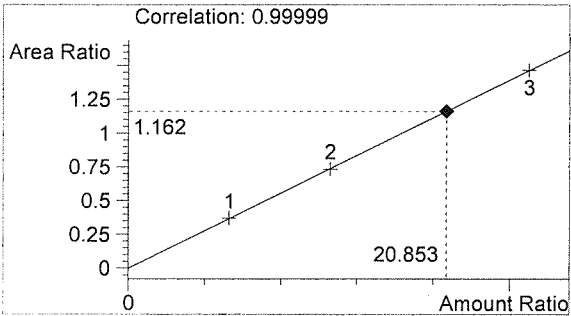
Inj. Date: 6/30/2016 11:09:07 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16027-3
 Operator: Justin Knoy
 Location: Vial 33

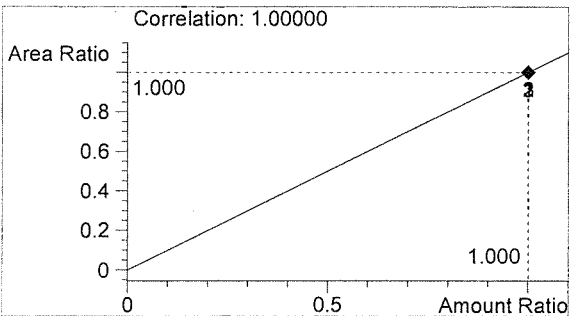
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3113	1.092
2	n-Propanol	2679	1.755



Ethanol 0.250 g/100mL



n-Propanol 0.012 g/100mL

JK

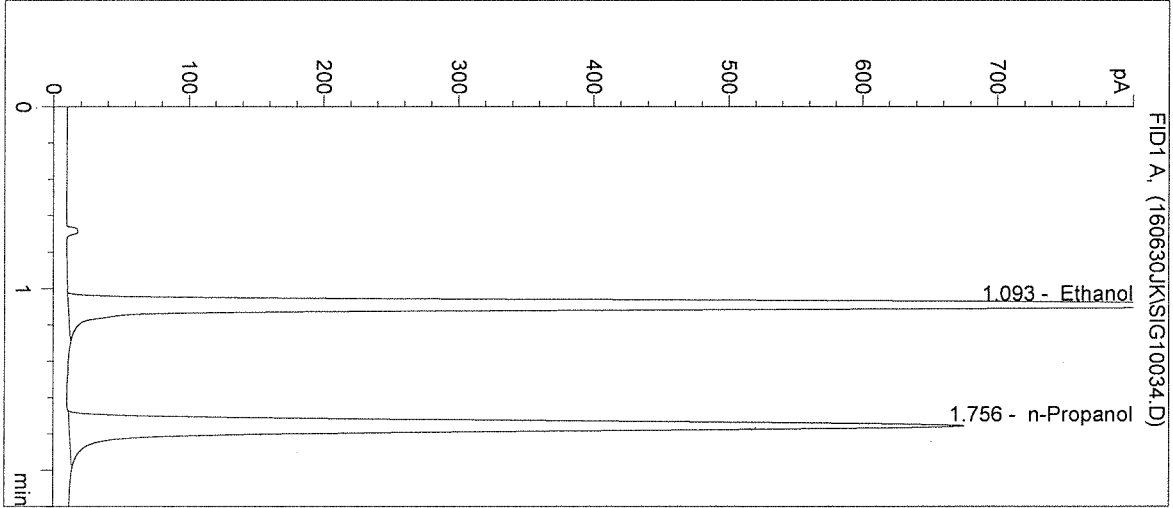
JK

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

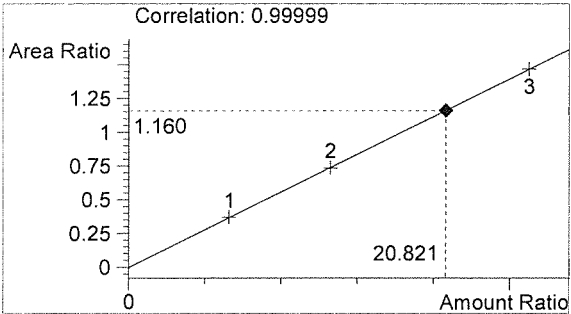
Inj. Date: 6/30/2016 11:12:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16027-4
Operator: Justin Knoy
Location: Vial 34

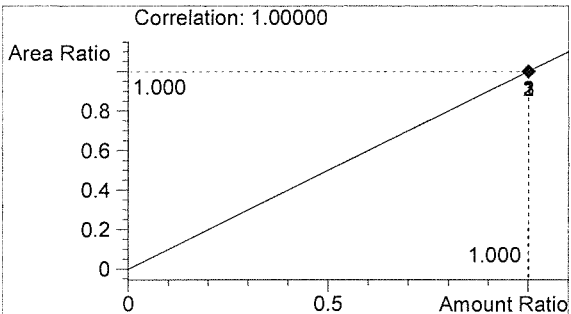
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3094	1.093
2	n-Propanol	2666	1.756



Ethanol 0.250 g/100mL



n-Propanol 0.012 g/100mL

JK

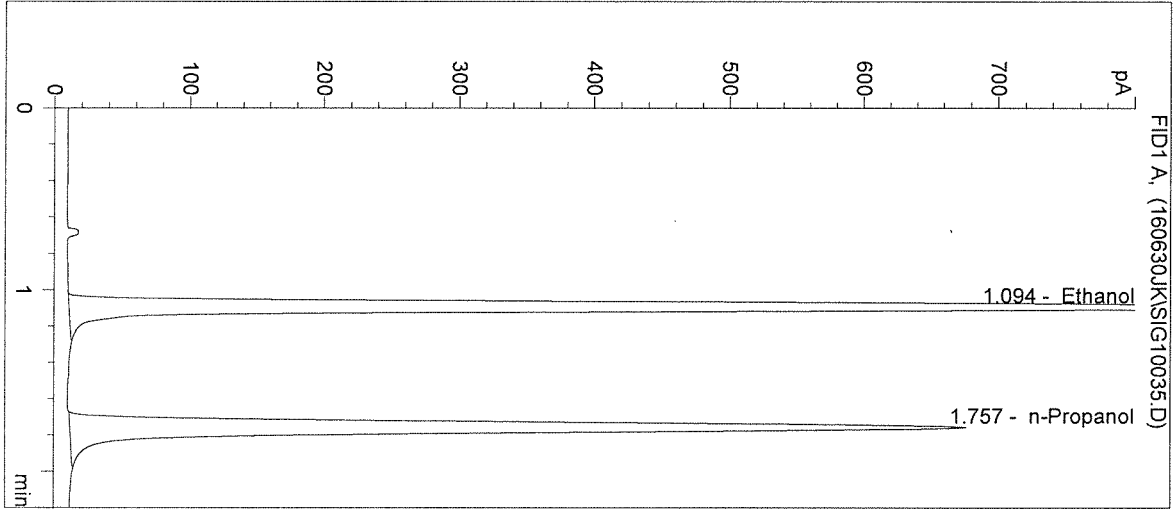
JK

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 2203 Airport Way S Seattle, WA 98134

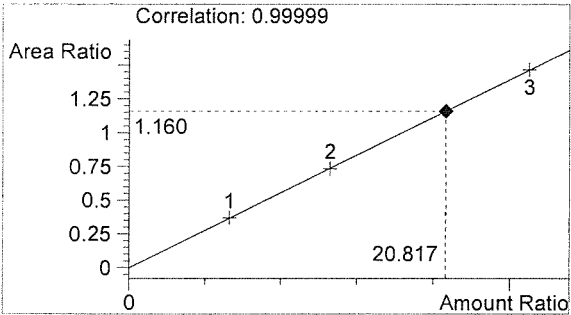
Inj. Date: 6/30/2016 11:15:33 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 16027-5
 Operator: Justin Knoy
 Location: Vial 35

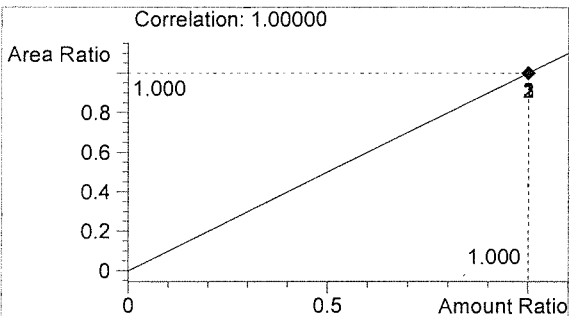
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	3101	1.094
2	n-Propanol	2673	1.757



Ethanol 0.250 g/100mL



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 6/30/2016 11:18:46 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

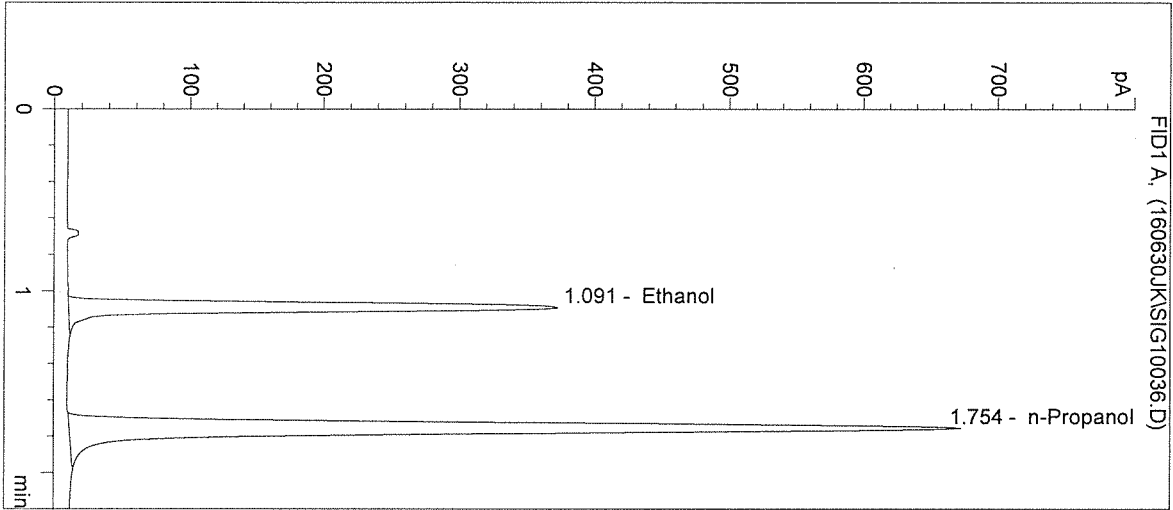
Operator: Justin Knoy

Column: DB-ALC1

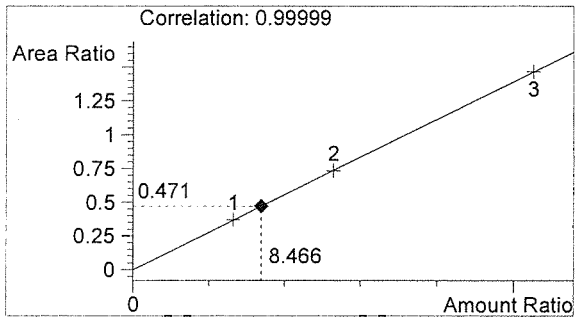
Location: Vial 36

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

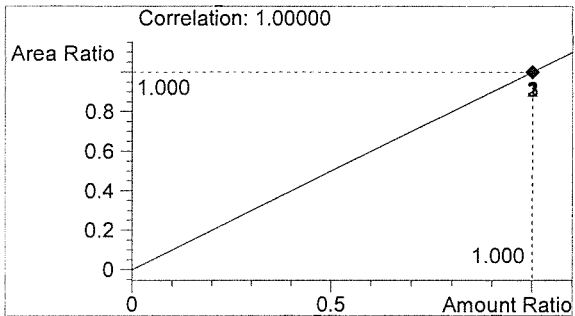
Sample Info: 16027



#	Compound	Peak Area	RT (min)
1	Ethanol	1246	1.091
2	n-Propanol	2644	1.754



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

fr

JTL

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

Inj. Date: 6/30/2016 11:21:59 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

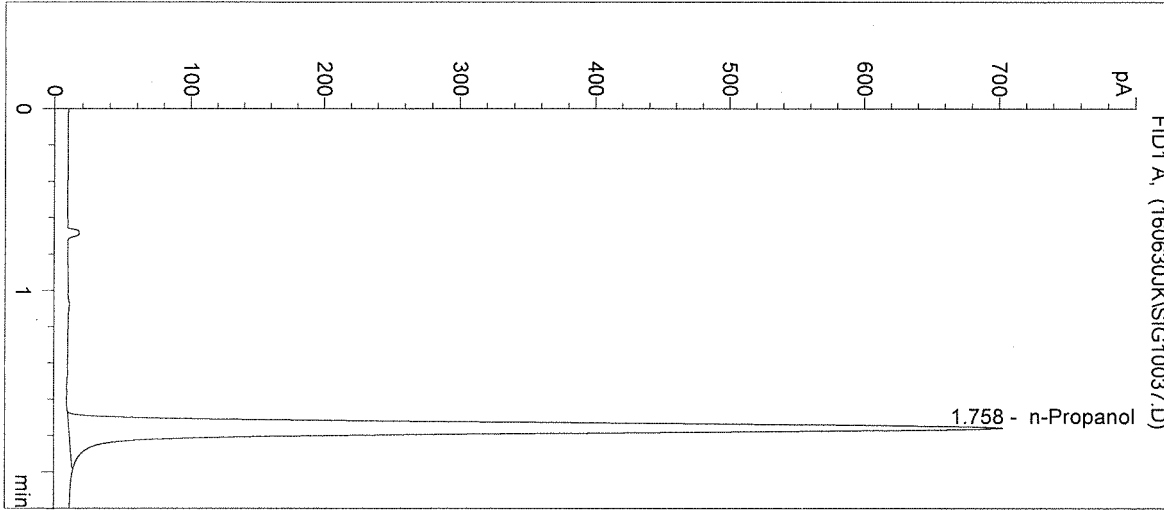
Operator: Justin Knoy

Column: DB-ALC1

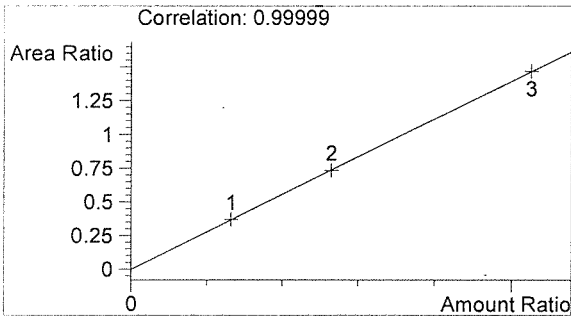
Location: Vial 37

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

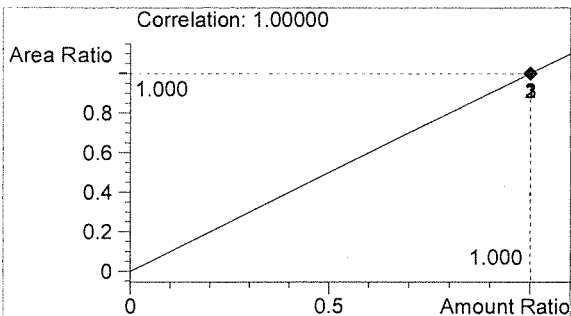
Sample Info: 16027



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2797	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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JK