VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster Certification Solution

On 10/31/2102, an ethanol solution was prepared by Amanda Bolduc for use as a DataMaster Certification solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-86-400 and an expiration date of 10/31/2013.

On 11/7/2012 and 11/8/2012, the solution was analyzed against calibration SIM 11072012 and VFL 11082012. Analysis of the solution was performed using headspace gas chromatography. The instrument was calibrated prior to analyses. It was found to have met required quality assurance performance specifications and was operating properly. Quality checks throughout the analytical process demonstrated that the instrument continued to operate properly.

This solution is certified as presenting 0.409 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

Dated at Waterbury, Vermont on Thursday, November 15, 2012.

Amanda Bolduc

0.40 Certification Solution 1L
Lot # 12-86-400
Prepared 10/31/2012 by ALB/RLM
Exp 10/31/2013

ALB CAL SIM 11072012
ALB/TLC Vials
Analyzed on 11/7/2012

0.4069	ALB
0.4168	
0.4066	
0.4150	
0.4065	
0.4160	
0.3969	
0.4197	TLC
0.4097	
0.4224	
0.4102	
0.4230	
0.4114	
0.4185	

Ave. = 0.4128
Std Dev. = 0.0073
Range = 0.3969 - 0.4230

TLC CAL VFL11082012
ALB/TLC Vials
Analyzed on 11/8/2012

0.3969	TLC
0.4141	
0.4025	
0.4132	
0.4005	
0.4115	
0.4016	
0.4020	ALB
0.4112	
0.4032	
0.4128	
0.3983	
0.4100	
0.4048	

Ave. = 0.4059
Std Dev. = 0.0060
Range = 0.3969 - 0.4141

Total Values from Both Runs

Average	**Mean**
0.4069	0.3969
0.4168	
0.4066	0.3983
0.4150	0.4005
0.4065	0.4016
0.4160	0.4020
0.3969	0.4025
0.4197	0.4032
0.4097	0.4048
0.4224	0.4065
0.4102	0.4066
0.4230	0.4069
0.4114	0.4097
0.4185	0.4100
0.3969	0.4102
0.4141	0.4112
0.4025	0.4114
0.4132	0.4115
0.4005	0.4128
0.4115	0.4132
0.4016	0.4141
0.4020	0.4150
0.4112	0.4160
0.4032	0.4168
0.4128	0.4185
0.3983	0.4197
0.4100	0.4224
0.4048	0.4230

Ave. =	0.4094
Avg Std Dev. =	0.0074
Mean =	0.4098
Mean Std Dev. =	0.0072
Range =	0.3969 - 0.4230
RPD=	5.27%

11/15/2012

Headspace Alcohol Analysis Standards Coversheet

Analyst: ALB Date: 11/7/12

Calibration Standards:

Lot ID: ES-10012012 Preparation Date: 10/1/2012 Expiration Date: 1/1/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check
% Ethanol (w/v)	0.006	0.024	0.081	0.200	0.403	0.081
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	0.089
	0.005	0.022	0.073	0.180	0.363	0.073

Control Sample:

Sample	Source	Lot number	Target Value	Acceptance Range	
Aqueous	Cerilliant	FN021111-03	0.080	0.072	0.088

Calibration and Control Sample Data:

Vial No.	Sample Identification		Result	In Range?	Comments
1	Blank		<0.005	Y N	Three blanks analyzed at beginning of run. All <0.005
2	Compound Retention Times:			N/A	✓
		Acetaldehyde	1.92		
		Methanol	2.02		
		Ethanol	2.66		
		Acetone	3.06		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3	Standard A		0.006	Y N	
4	Standard B		0.024	Y N	
5	Standard C		0.082	Y N	
6	Standard D		0.197	Y N	
7	Standard E		0.404	Y N	
8	Aqueous QC		0.0803	Y N	
9	Aqueous QC		0.0796	Y N	Avg = 0.080 100% recovery ✓

11/15/2012

File Name = C:\Alcohol Data\SIM11072012\SIM11072012.SEQ
Version = 2
File Date = 11/7/2012 11:25:07 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM11072012.0001.raw	Blood Alc New VFL.MET	BLANK	1.00	1.00
2	SIM11072012.0002.raw	Blood Alc New VFL.MET	BLANK	1.00	1.00
3	SIM11072012.0003.raw	Blood Alc New VFL.MET	BLANK	1.00	1.00
4	SIM11072012.0004.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
5	SIM11072012.0005.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
6	SIM11072012.0006.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
7	SIM11072012.0007.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
8	SIM11072012.0008.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
9	SIM11072012.0009.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
10	SIM11072012.0010.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
11	SIM11072012.0011.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
12	SIM11072012.0012.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
13	SIM11072012.0013.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
14	SIM11072012.0014.raw	simsoln.met	0.1 ALB	1.00	1.00
15	SIM11072012.0015.raw	simsoln.met	0.1 ALB	1.00	1.00
16	SIM11072012.0016.raw	simsoln.met	0.1 ALB	1.00	1.00
17	SIM11072012.0017.raw	simsoln.met	0.1 ALB	1.00	1.00
18	SIM11072012.0018.raw	simsoln.met	0.1 ALB	1.00	1.00
19	SIM11072012.0019.raw	simsoln.met	0.1 ALB	1.00	1.00
20	SIM11072012.0020.raw	simsoln.met	0.1 ALB	1.00	1.00
21	SIM11072012.0021.raw	simsoln.met	CCS	1.00	1.00
22	SIM11072012.0022.raw	simsoln.met	CCS	1.00	1.00
23	SIM11072012.0023.raw	simsoln.met	0.1 TLC	1.00	1.00
24	SIM11072012.0024.raw	simsoln.met	0.1 TLC	1.00	1.00
25	SIM11072012.0025.raw	simsoln.met	0.1 TLC	1.00	1.00
26	SIM11072012.0026.raw	simsoln.met	0.1 TLC	1.00	1.00
27	SIM11072012.0027.raw	simsoln.met	0.1 TLC	1.00	1.00
28	SIM11072012.0028.raw	simsoln.met	0.1 TLC	1.00	1.00
29	SIM11072012.0029.raw	simsoln.met	0.1 TLC	1.00	1.00
30	SIM11072012.0030.raw	simsoln.met	CCS	1.00	1.00
31	SIM11072012.0031.raw	simsoln.met	CCS	1.00	1.00
32	SIM11072012.0032.raw	simsoln.met	0.08 ALB	1.00	1.00
33	SIM11072012.0033.raw	simsoln.met	0.08 ALB	1.00	1.00
34	SIM11072012.0034.raw	simsoln.met	0.08 ALB	1.00	1.00
35	SIM11072012.0035.raw	simsoln.met	0.08 ALB	1.00	1.00
36	SIM11072012.0036.raw	simsoln.met	0.08 ALB	1.00	1.00
37	SIM11072012.0037.raw	simsoln.met	0.08 ALB	1.00	1.00
38	SIM11072012.0038.raw	simsoln.met	0.08 ALB	1.00	1.00
39	SIM11072012.0039.raw	simsoln.met	CCS	1.00	1.00
40	SIM11072012.0040.raw	simsoln.met	CCS	1.00	1.00
41	SIM11072012.0041.raw	simsoln.met	0.08 TLC	1.00	1.00
42	SIM11072012.0042.raw	simsoln.met	0.08 TLC	1.00	1.00
43	SIM11072012.0043.raw	simsoln.met	0.08 TLC	1.00	1.00
44	SIM11072012.0044.raw	simsoln.met	0.08 TLC	1.00	1.00
45	SIM11072012.0045.raw	simsoln.met	0.08 TLC	1.00	1.00
46	SIM11072012.0046.raw	simsoln.met	0.08 TLC	1.00	1.00
47	SIM11072012.0047.raw	simsoln.met	0.08 TLC	1.00	1.00
48	SIM11072012.0048.raw	simsoln.met	CCS	1.00	1.00
49	SIM11072012.0049.raw	simsoln.met	CCS	1.00	1.00
50	SIM11072012.0050.raw	simsoln.met	0.4 ALB	1.00	1.00
51	SIM11072012.0051.raw	simsoln.met	0.4 ALB	1.00	1.00
52	SIM11072012.0052.raw	simsoln.met	0.4 ALB	1.00	1.00
53	SIM11072012.0053.raw	simsoln.met	0.4 ALB	1.00	1.00
54	SIM11072012.0054.raw	simsoln.met	0.4 ALB	1.00	1.00
55	SIM11072012.0055.raw	simsoln.met	0.4 ALB	1.00	1.00
56	SIM11072012.0056.raw	simsoln.met	0.4 ALB	1.00	1.00
57	SIM11072012.0057.raw	simsoln.met	CCS	1.00	1.00
58	SIM11072012.0058.raw	simsoln.met	CCS	1.00	1.00
59	SIM11072012.0059.raw	simsoln.met	0.4 TLC	1.00	1.00
60	SIM11072012.0060.raw	simsoln.met	0.4 TLC	1.00	1.00
61	SIM11072012.0061.raw	simsoln.met	0.4 TLC	1.00	1.00
62	SIM11072012.0062.raw	simsoln.met	0.4 TLC	1.00	1.00

different Solutions not included 11/13/12

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	SIM11072012.0063.raw	simsoln.met	0.4 TLC	1.00	1.00
64	SIM11072012.0064.raw	simsoln.met	0.4 TLC	1.00	1.00
65	SIM11072012.0065.raw	simsoln.met	0.4 TLC	1.00	1.00
66	SIM11072012.0066.raw	simsoln.met	CCS	1.00	1.00
67	SIM11072012.0067.raw	simsoln.met	CCS	1.00	1.00

File Name: C:\Methods\SIM 11072012.CAL
Version: 2

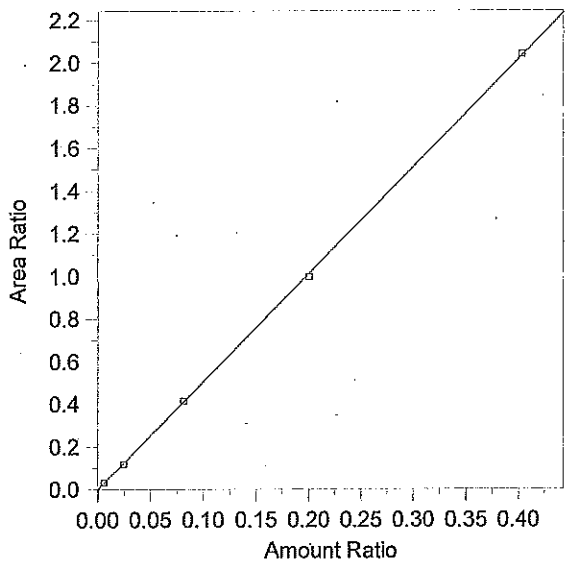
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1000
Reference peak area reject threshold: 0
Amount units:
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

3 Ethanol



Expected retention time:	2.666 minutes
Search window:	0.1 minutes
Internal standard component:	7 (n-Propanol)
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

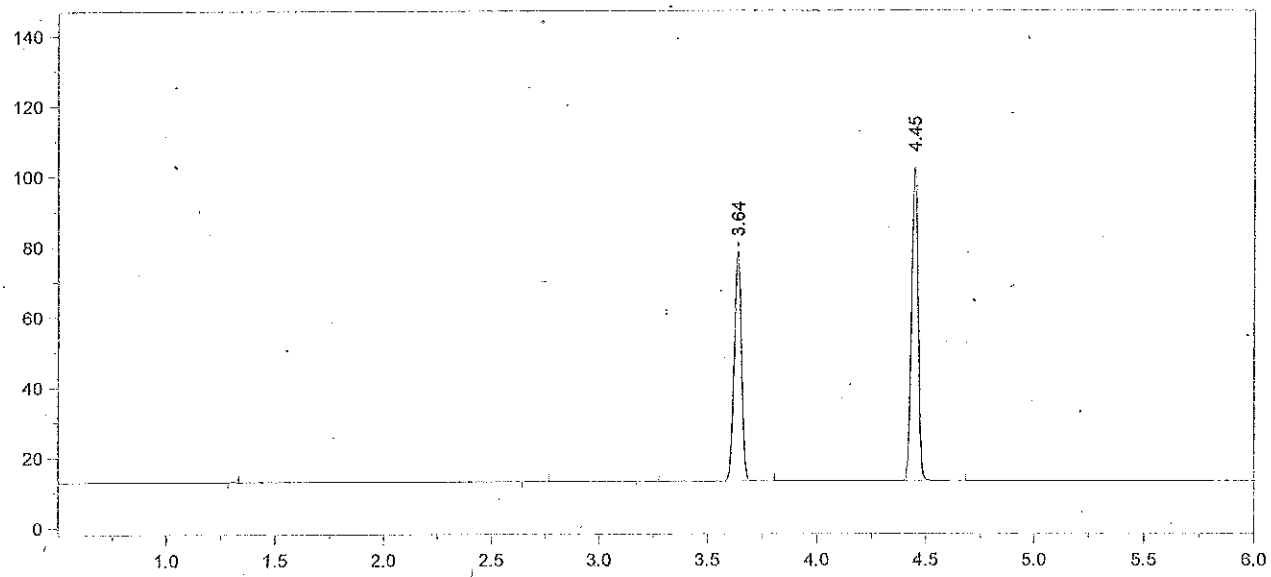
Single peak quantification by area

Y = 5.044263 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9998777
Average error:	1.633%
Average CF:	5.051465
RSD:	2.064%

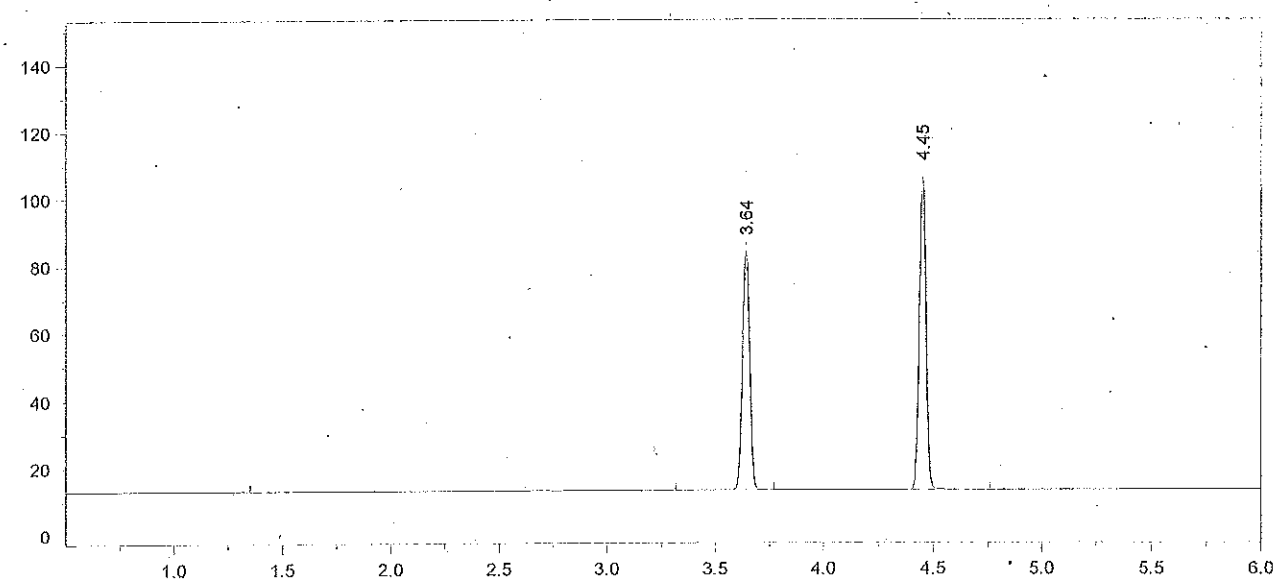
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.087)	(85146)	--	--	0.087	85146	Manual	8/8/2012 7:53:22 AM
2	0.006	5770.469	961744.9	2.944	0.006	3.115649E-02	C:\Alcohol Data\SIM11072012\SIM11072012.0005.BND	11/7/2012 3:08:54 PM
3	0.0242	23342.61	964570.6	-2.145	0.0242	0.119453	C:\Alcohol Data\SIM11072012\SIM11072012.0006.BND	11/7/2012 3:09:01 PM
4	0.0813	77460.26	952770.8	1.144	0.0813	0.4147903	C:\Alcohol Data\SIM11072012\SIM11072012.0007.BND	11/7/2012 3:09:08 PM
5	0.2004	184320.6	919763.4	-1.580	0.2004	0.9948943	C:\Alcohol Data\SIM11072012\SIM11072012.0008.BND	11/7/2012 3:09:15 PM
6	0.403	380014.2	942963.3	0.351	0.403	2.03998	C:\Alcohol Data\SIM11072012\SIM11072012.0009.BND	11/7/2012 3:09:27 PM



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:12 PM
Bound File Name = SIM11072012.0001.RAW
Sample Name = ~~GCS~~ Blank 11/8/12 ALB
Date Taken = 11/7/2012 12:00:51 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

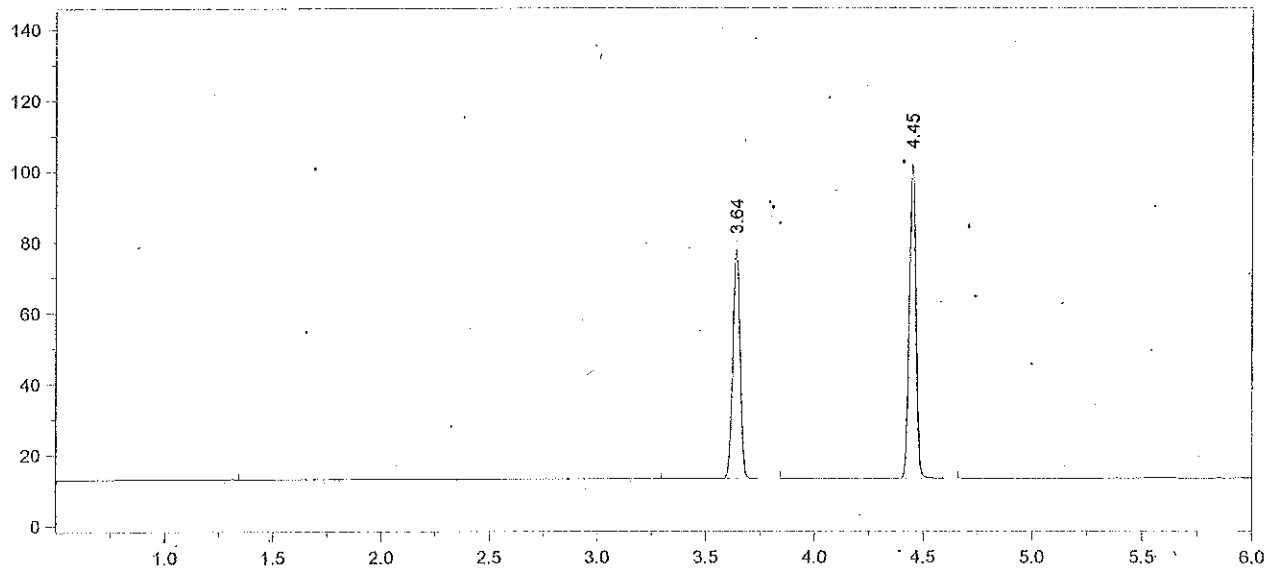
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	149914	0.9761
5	4.45	n-Propanol	188155	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:19 PM
Bound File Name = SIM11072012.0002.RAW
Sample Name = ~~CCS~~ Blank 11/8/12 ck13
Date Taken = 11/7/2012 12:17:54 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

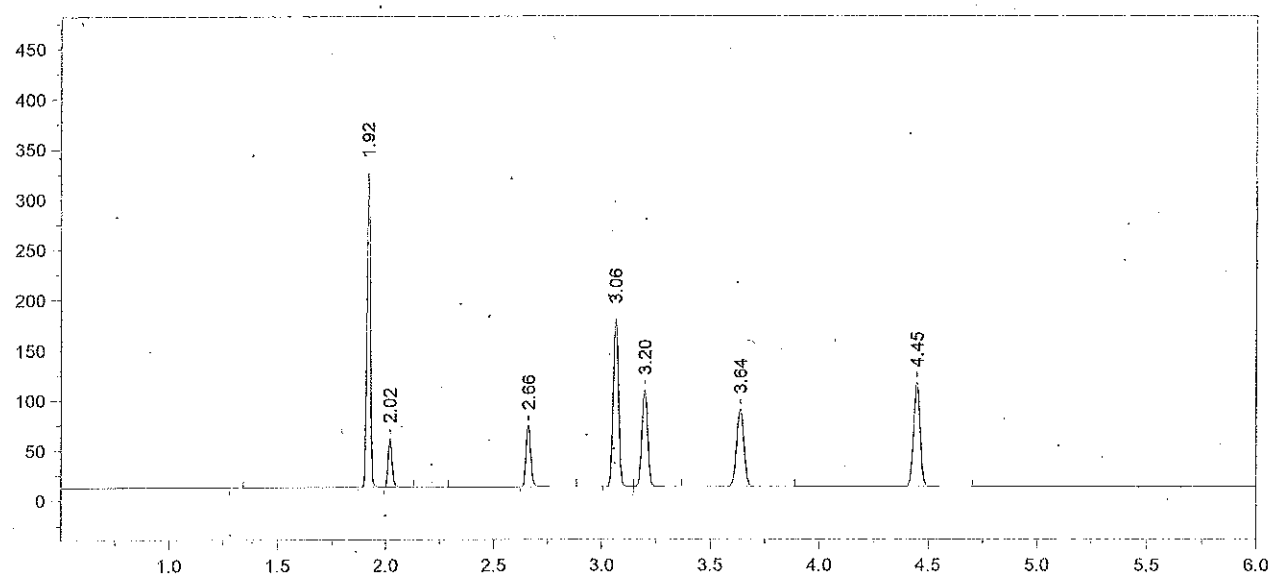
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.64	t-Butanol	164110	1.0095
4	4.45	n-Propanol	199152	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:26 PM
Bound File Name = SIM11072012.0003.RAW
Sample Name = ~~CCS~~ Blank 11/8/12 AB
Date Taken = 11/7/2012 12:31:45 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

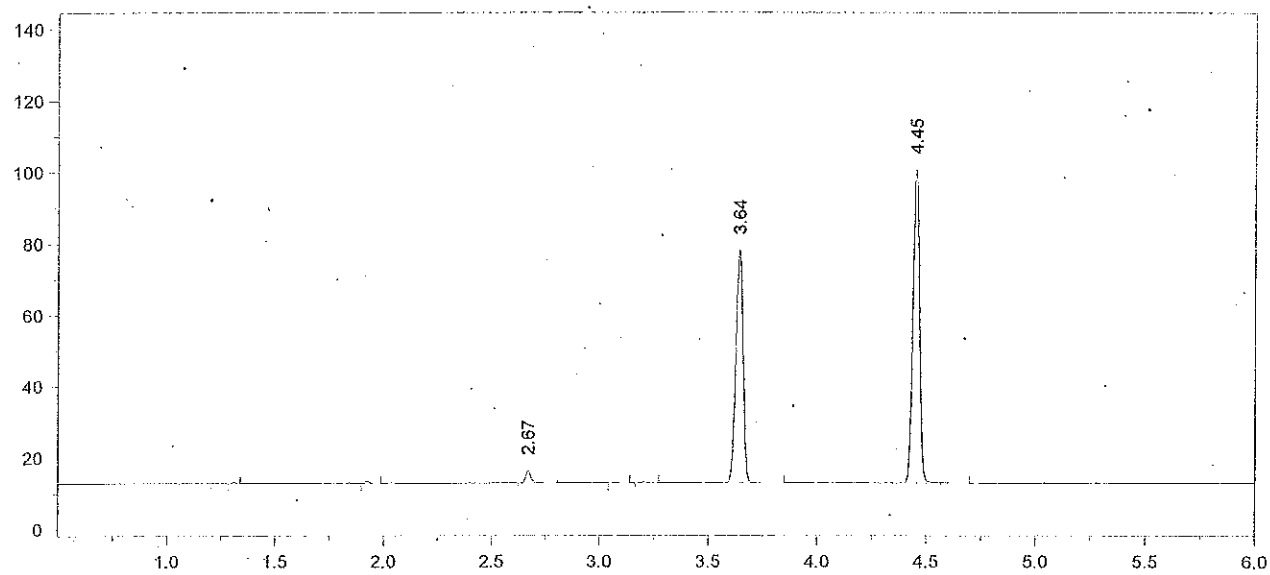
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.64	t-Butanol	149001	0.9756
4	4.45	n-Propanol	187105	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:34 PM
Bound File Name = SIM11072012.0004.RAW
Sample Name = CES TMX 11/8/12 dwB
Date Taken = 11/7/2012 12:47:36 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

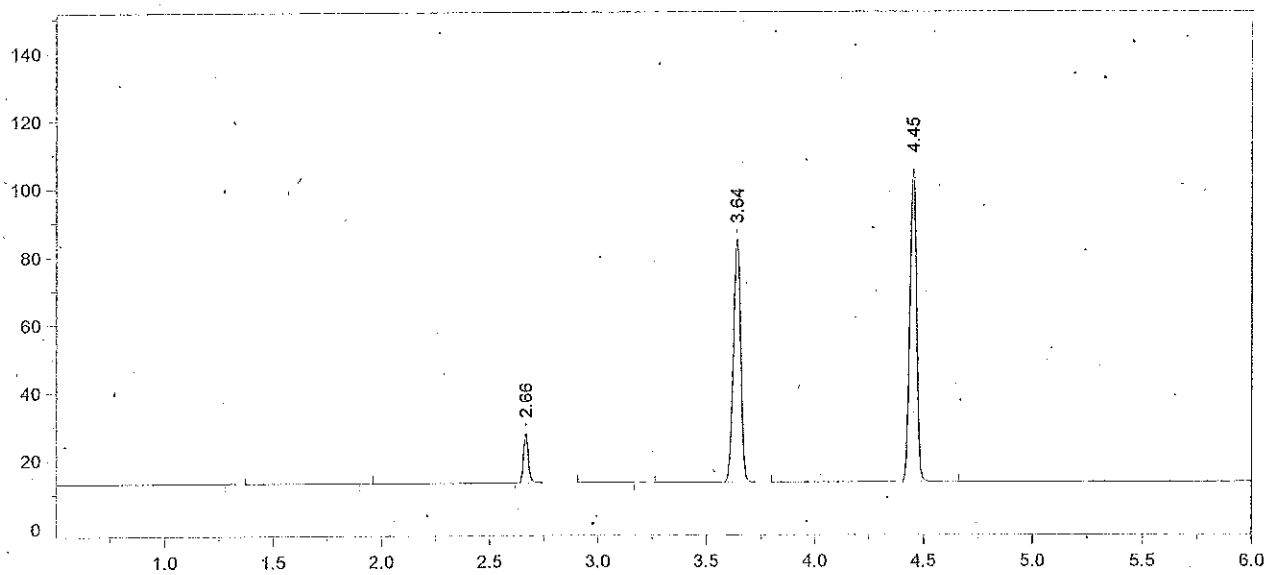
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	361919	0.0720
3	2.02	Methanol	58392	0.1210
4	2.66	Ethanol	93959	0.0856
5	3.06	Acetone	283040	0.0690
6	3.20	Isopropanol	179619	0.0830
7	3.64	t-Butanol	177661	0.9996
8	4.45	n-Propanol	217721	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:46 PM
Bound File Name = SIM11072012.0005.RAW
Sample Name = CCS Std A 11/8/12 dcB
Date Taken = 11/7/2012 1:03:32 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

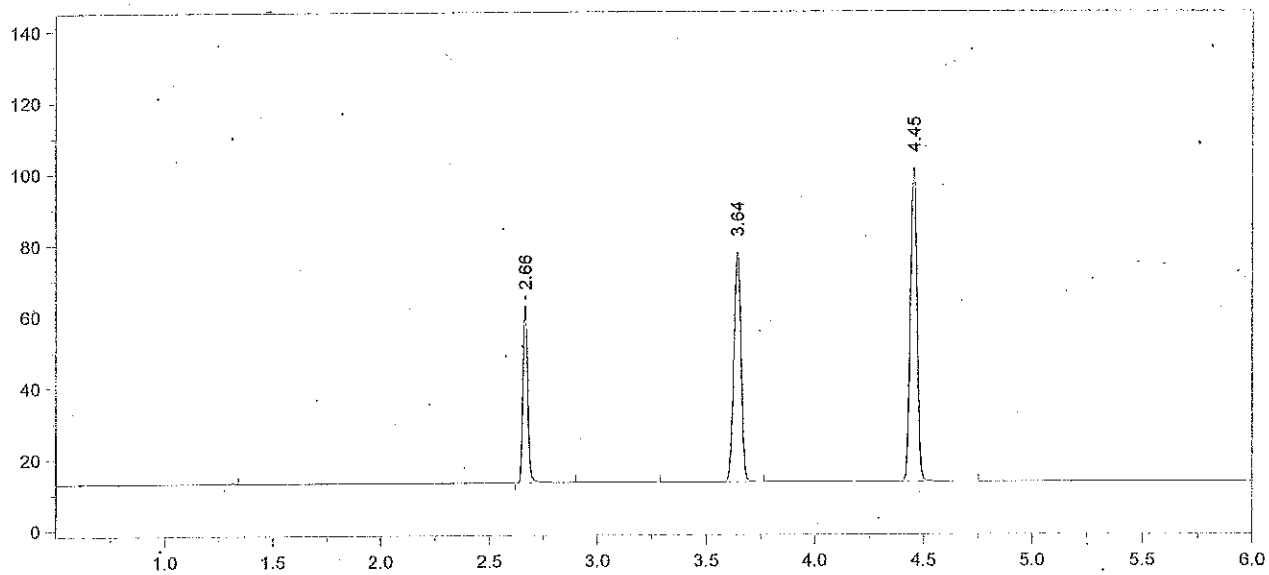
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	05770	0.0062
6	3.64	t-Butanol	150373	0.9946
7	4.45	n-Propanol	185209	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:53 PM
Bound File Name = SIM11072012.0006.RAW
Sample Name = ~~CCS~~ STD B 11/8/12 dwB
Date Taken = 11/7/2012 1:19:10 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

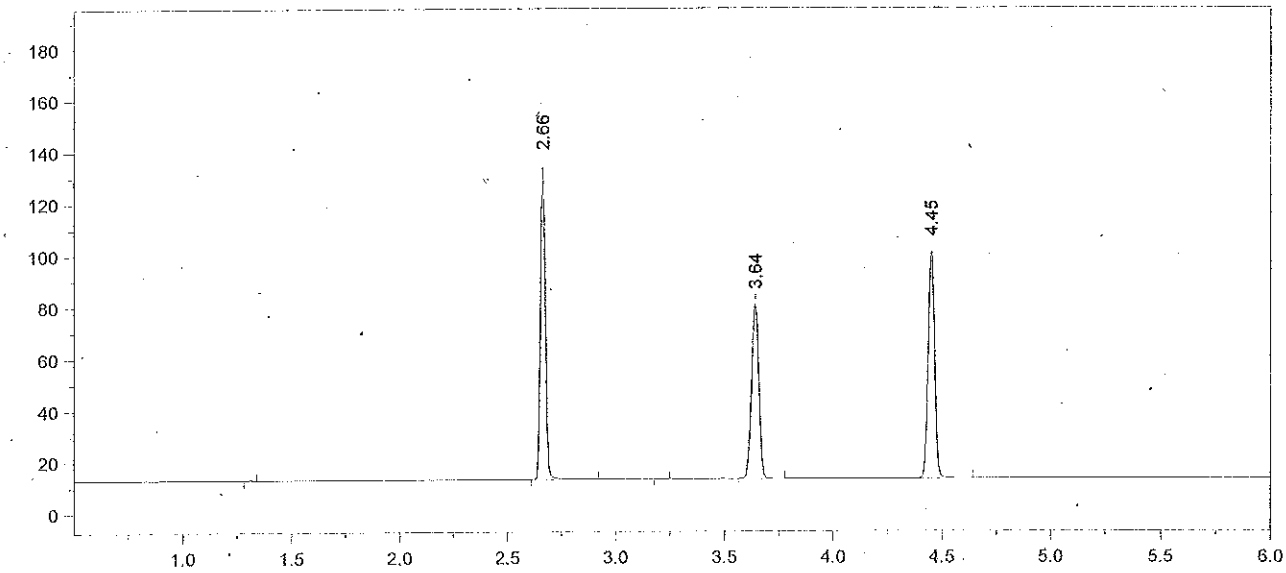
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	23343	0.0237
5	3.64	t-Butanol	164891	1.0337
6	4.45	n-Propanol	195413	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:59 PM
Bound File Name = SIM11072012.0007.RAW
Sample Name = ~~CCS~~ Std C 11/8/12 dm
Date Taken = 11/7/2012 1:33:53 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77460	0.0822
4	3.64	t-Butanol	148755	0.9758
5	4.45	n-Propanol	186746	1.0000



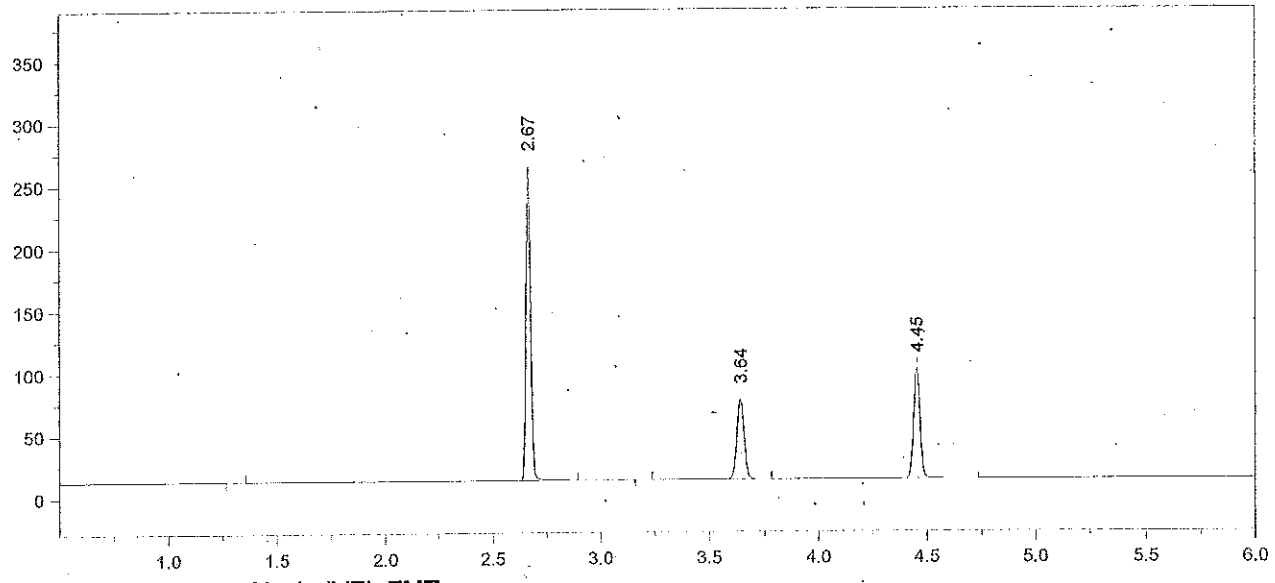
Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:11:05 PM

Bound File Name = SIM11072012.0008.RAW
Sample Name = CCS Std 0 11/8/12 dws
Date Taken = 11/7/2012 1:50:35 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	184321	0.1972
4	3.64	t-Butanol	155176	1.0261
5	4.45	n-Propanol	185267	1.0000



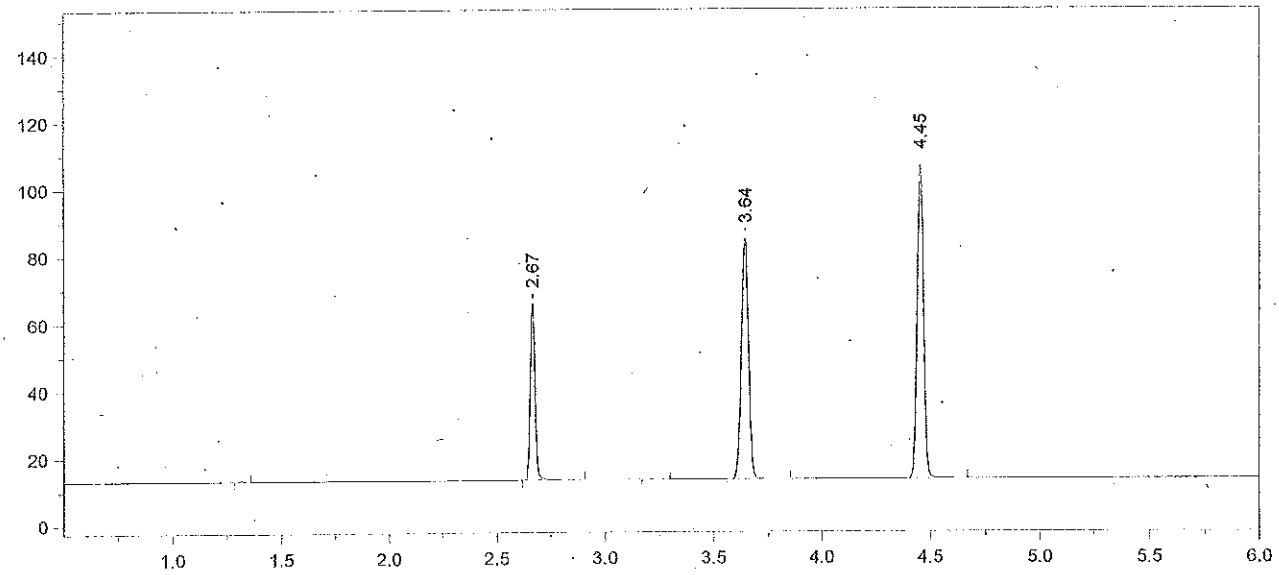
Format File Name = AlcoholVFL.FMT

Today's Date = 11/8/2012
Today's Time = 7:55:31 AM

Bound File Name = SIM11072012.0009.RAW
Sample Name = CCS Std E 11/8/12 dwB
Date Taken = 11/7/2012 2:03:48 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	380014	0.4044
4	3.64	t-Butanol	147522	0.9701
5	4.45	n-Propanol	186283	1.0000

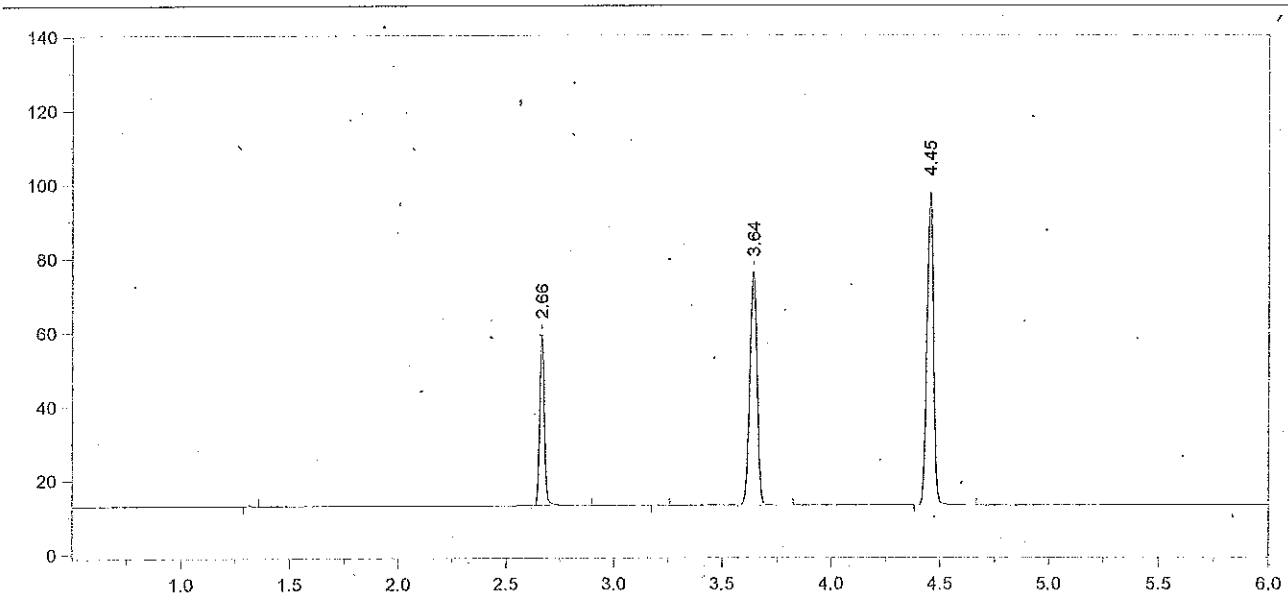


Format File Name = AlcoholVFL.FMT

Today's Date = 11/8/2012
Today's Time = 7:55:41 AM
Bound File Name = SIM11072012.0010.RAW
Sample Name = ~~CCS~~ AQ QC 11/8/12 [illegible]
Date Taken = 11/7/2012 2:21:57 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	80569	0.0803
4	3.64	t-Butanol	164898	1.0151
5	4.45	n-Propanol	199006	1.0000

Chrom Perfect Chromatogram Report

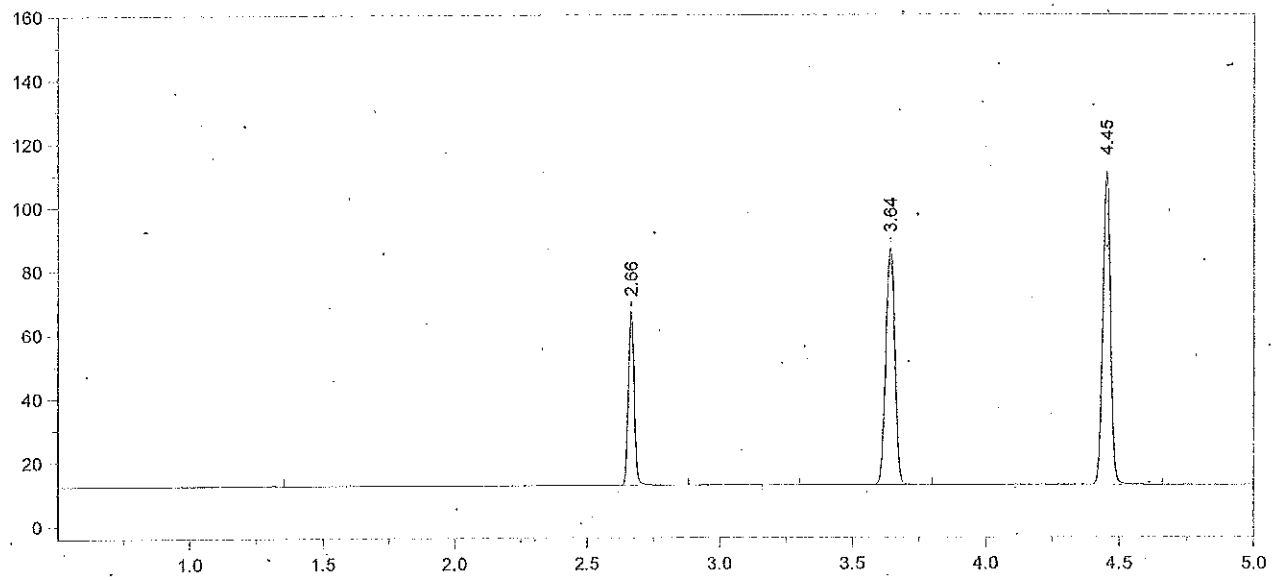


Format File Name = AlcoholVFL.FMT

Today's Date = 11/8/2012
Today's Time = 7:55:47 AM
Bound File Name = SIM11072012.0011.RAW
Sample Name = ~~CCS~~ AQ QC 11/8/12 der3
Date Taken = 11/7/2012 2:35:55 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	72102	0.0796
4	3.64	t-Butanol	145416	0.9917
5	4.45	n-Propanol	179636	1.0000

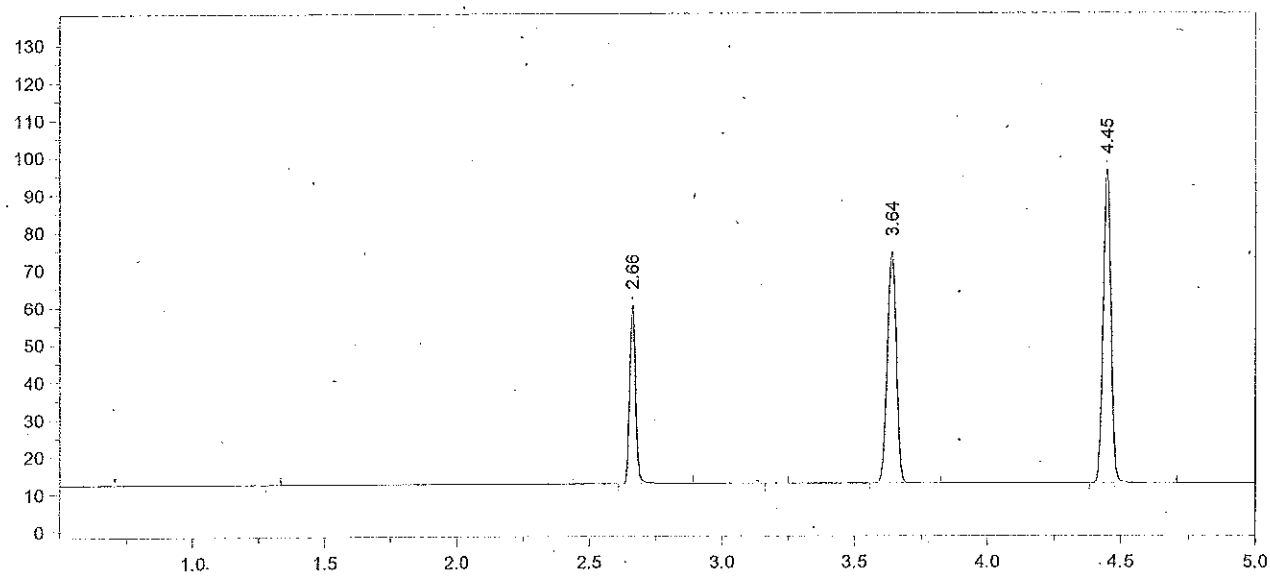
$\bar{x}$ = 0.080
11/13/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 12:11:24 AM
Bound File Name = SIM11072012.0048.RAW
Sample Name = CCS
Date Taken = 11/8/2012 12:11:16 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	84560	0.0807	0.0659
4	3.64	t-Butanol	172090	1.0154	0.8288
5	4.45	n-Propanol	207620	1.0000	0.8162

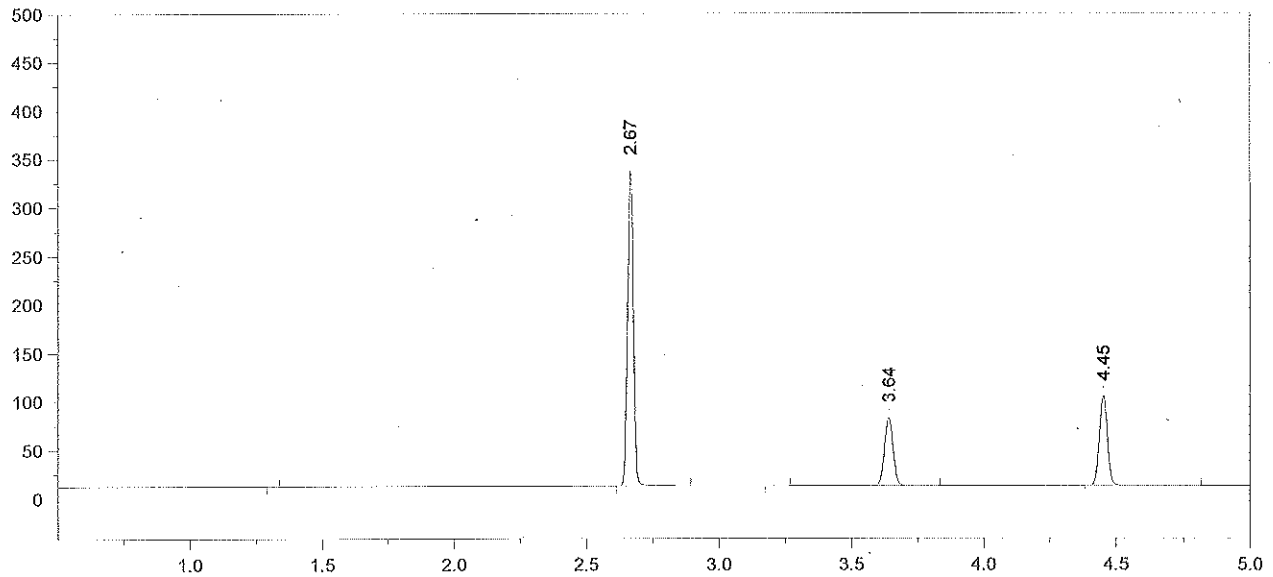


Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 12:26:52 AM
Bound File Name = SIM11072012.0049.RAW
Sample Name = CCS
Date Taken = 11/8/2012 12:26:44 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	74689	0.0831	0.0678
4	3.64	t-Butanol	142775	0.9818	0.8014
5	4.45	n-Propanol	178142	1.0000	0.8162

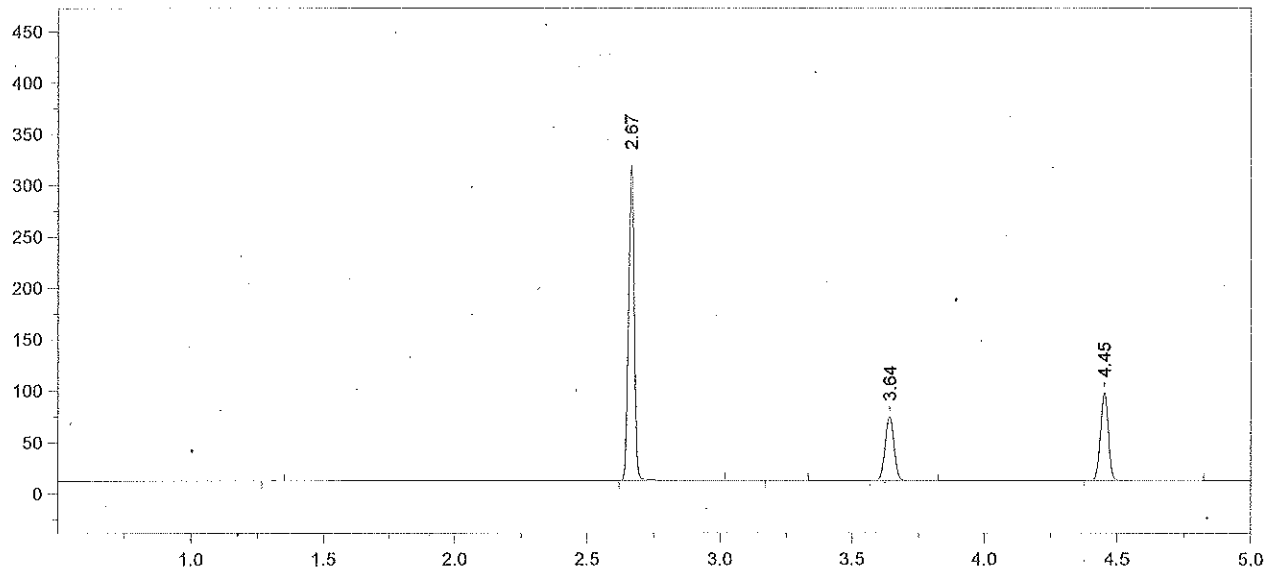
$\bar{X}$ = 0.082 ✓
11/13/12
(A)



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 12:42:56 AM
Bound File Name = SIM11072012.0050.RAW
Sample Name = 0.4 ALB
Date Taken = 11/8/2012 12:42:47 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

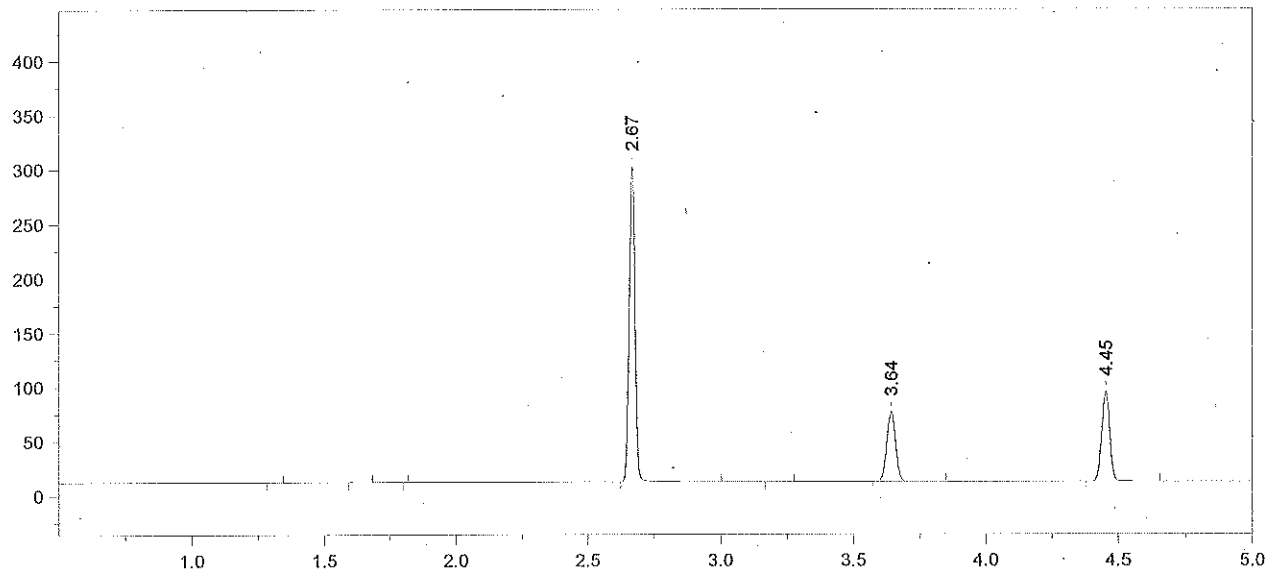
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	493296	0.4986	0.4069
4	3.64	t-Butanol	161035	1.0058	0.8209
5	4.45	n-Propanol	196140	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 12:57:05 AM
Bound File Name = SIM11072012.0051.RAW
Sample Name = 0.4 ALB
Date Taken = 11/8/2012 12:56:58 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

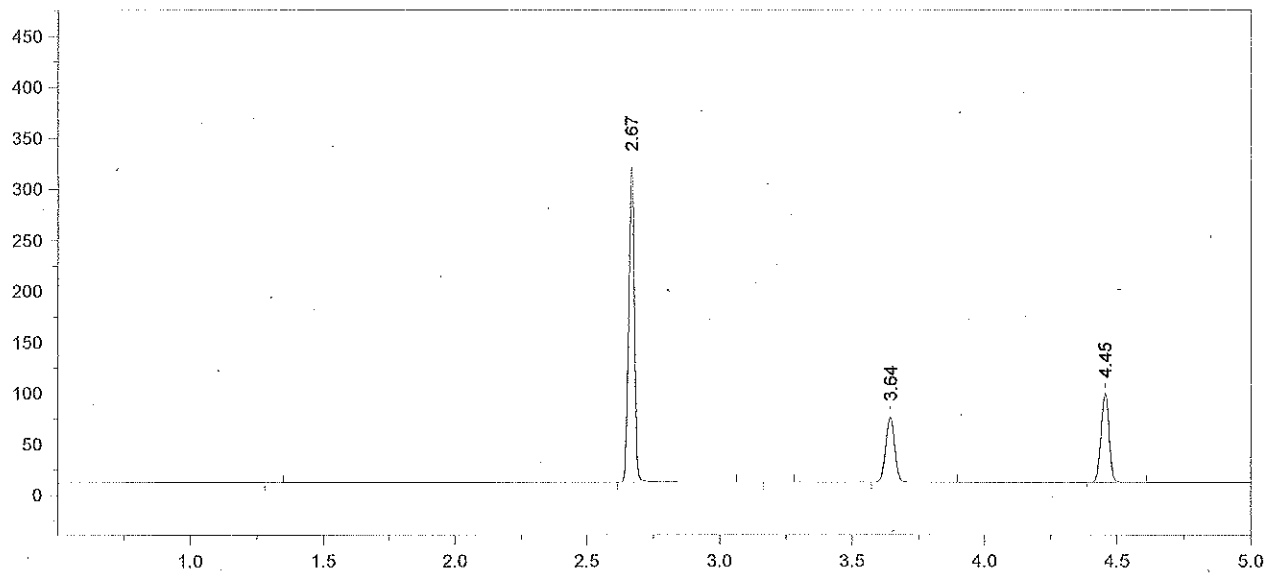
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	466827	0.5107	0.4168
4	3.64	t-Butanol	143529	0.9703	0.7919
5	4.45	n-Propanol	181217	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 1:14:21 AM
Bound File Name = SIM11072012.0052.RAW
Sample Name = 0.4 ALB
Date Taken = 11/8/2012 1:14:12 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

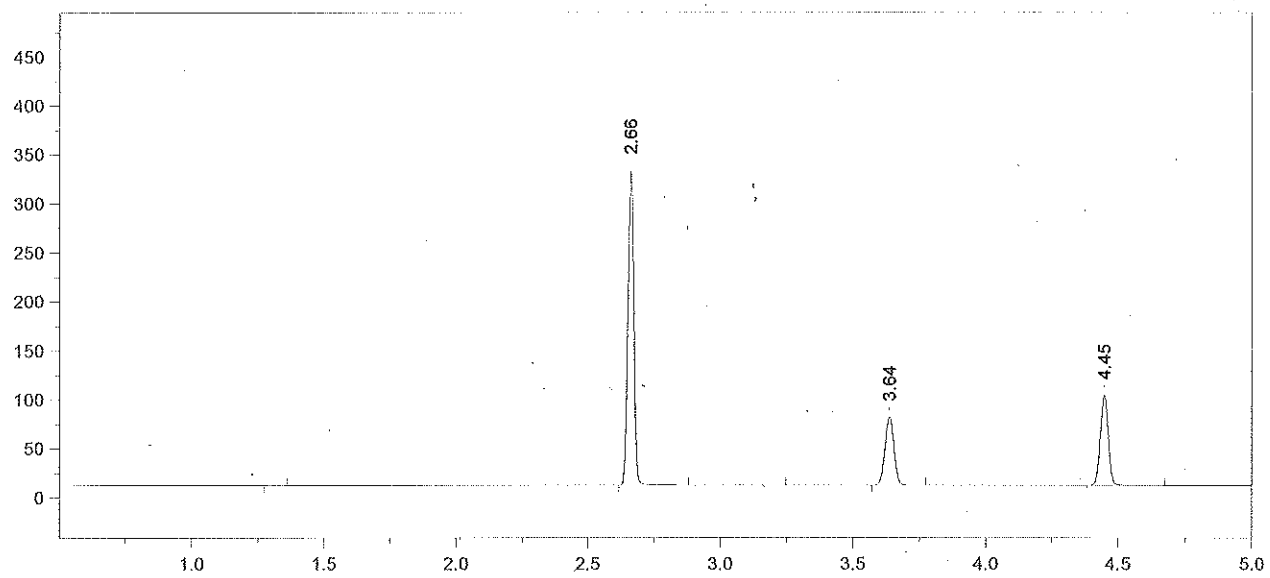
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
4	2.67	Ethanol	439341	0.4982	0.4066
6	3.64	t-Butanol	147748	1.0352	0.8450
7	4.45	n-Propanol	174838	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 1:28:15 AM
Bound File Name = SIM11072012.0053.RAW
Sample Name = 0.4 ALB
Date Taken = 11/8/2012 1:28:05 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

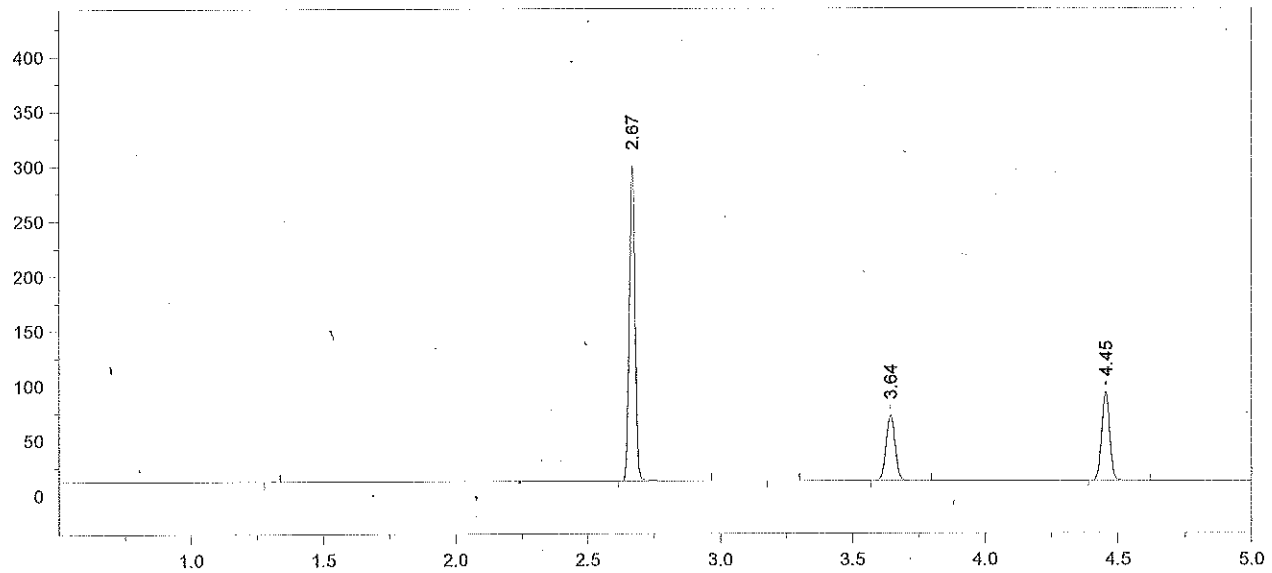
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	475187	0.5085	0.4150
4	3.64	t-Butanol	147386	0.9746	0.7955
5	4.45	n-Propanol	185262	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 1:45:51 AM
Bound File Name = SIM11072012.0054.RAW
Sample Name = 0.4 ALB
Date Taken = 11/8/2012 1:45:41 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

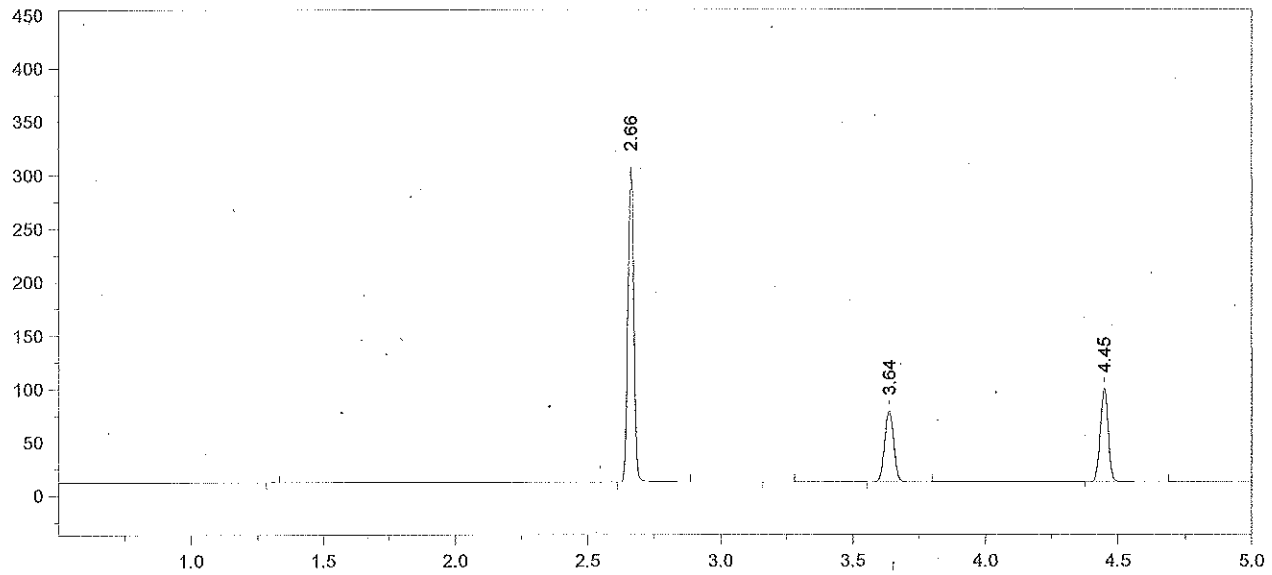
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	490042	0.4981	0.4065
4	3.64	t-Butanol	160864	1.0104	0.8247
5	4.45	n-Propanol	195042	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 1:59:23 AM
Bound File Name = SIM11072012.0055.RAW
Sample Name = 0.4 ALB
Date Taken = 11/8/2012 1:59:14 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

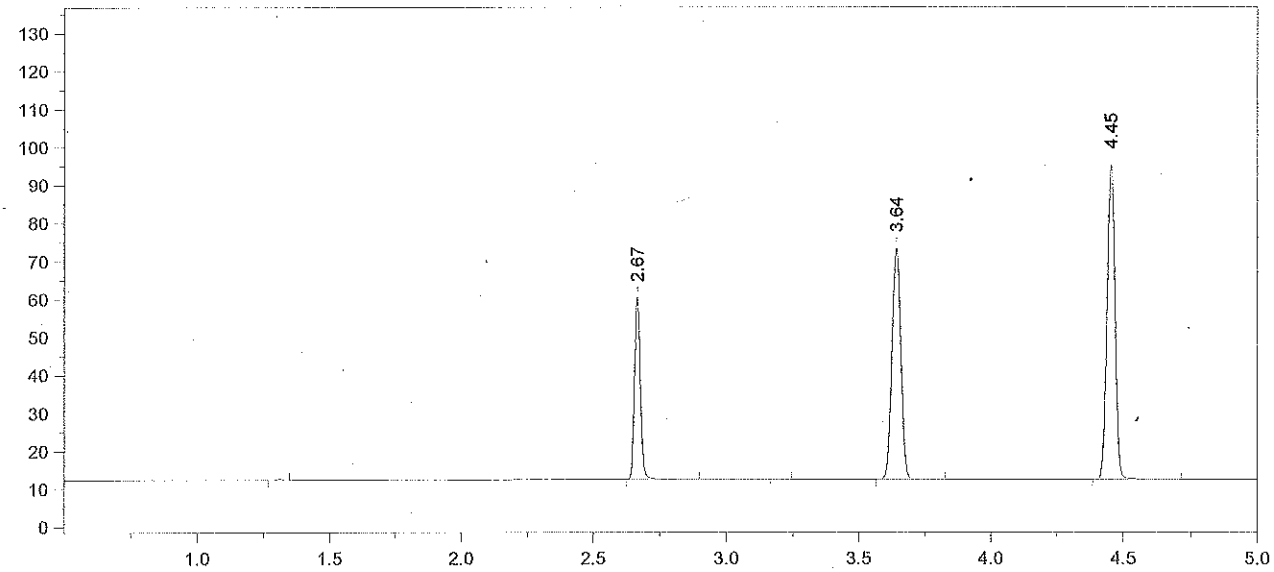
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	438132	0.5096	0.4160
4	3.64	t-Butanol	137761	0.9902	0.8082
5	4.45	n-Propanol	170433	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 2:17:14 AM
Bound File Name = SIM11072012.0056.RAW
Sample Name = 0.4 ALB
Date Taken = 11/8/2012 2:17:08 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

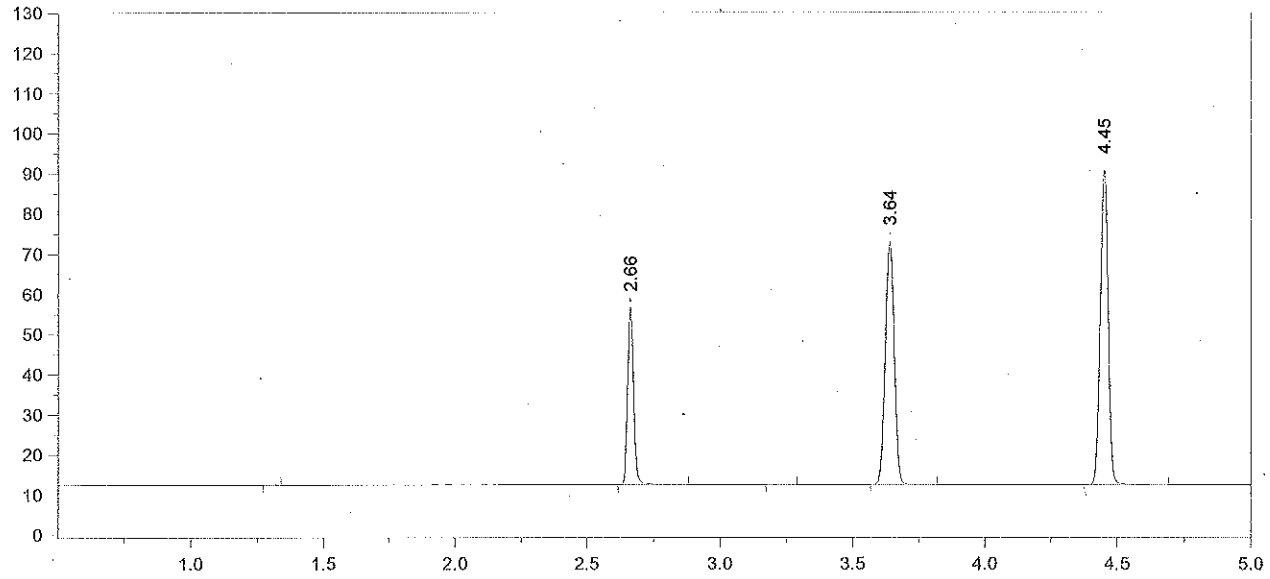
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	451877	0.4863	0.3969
4	3.64	t-Butanol	154016	1.0242	0.8360
5	4.45	n-Propanol	184218	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 2:30:32 AM
Bound File Name = SIM11072012.0057.RAW
Sample Name = CCS
Date Taken = 11/8/2012 2:30:24 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	75099	0.0847	0.0691
4	3.64	t-Butanol	140904	0.9817	0.8012
5	4.45	n-Propanol	175837	1.0000	0.8162

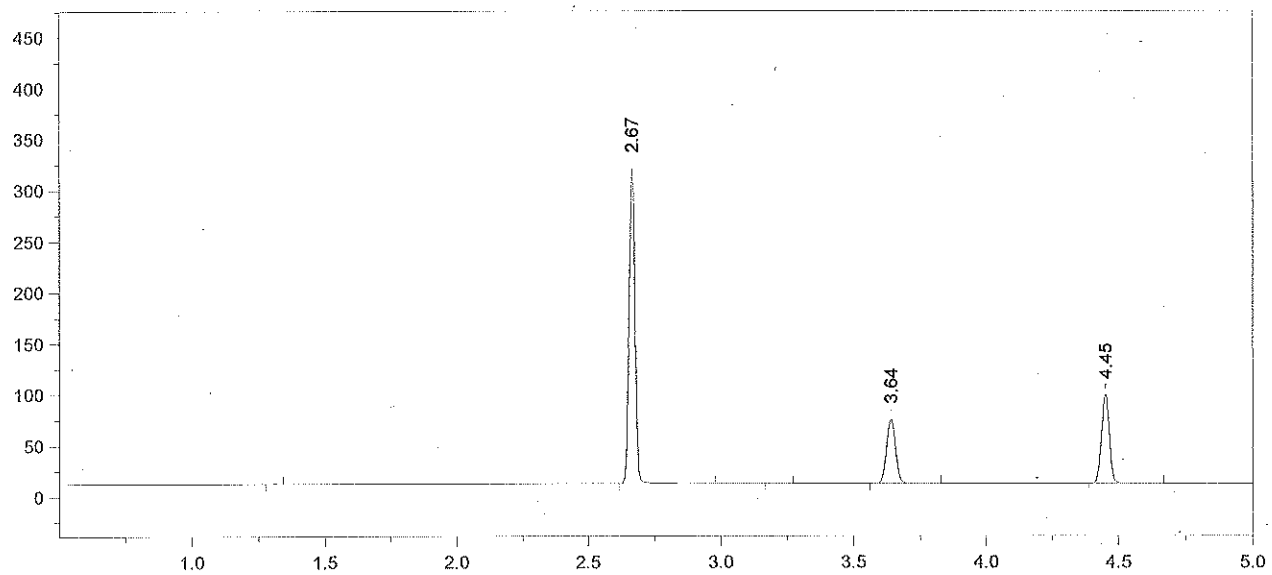


Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 2:48:22 AM
Bound File Name = SIM11072012.0058.RAW
Sample Name = CCS
Date Taken = 11/8/2012 2:48:12 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	68634	0.0817	0.0666
4	3.64	t-Butanol	140139	1.0302	0.8409
5	4.45	n-Propanol	166640	1.0000	0.8162

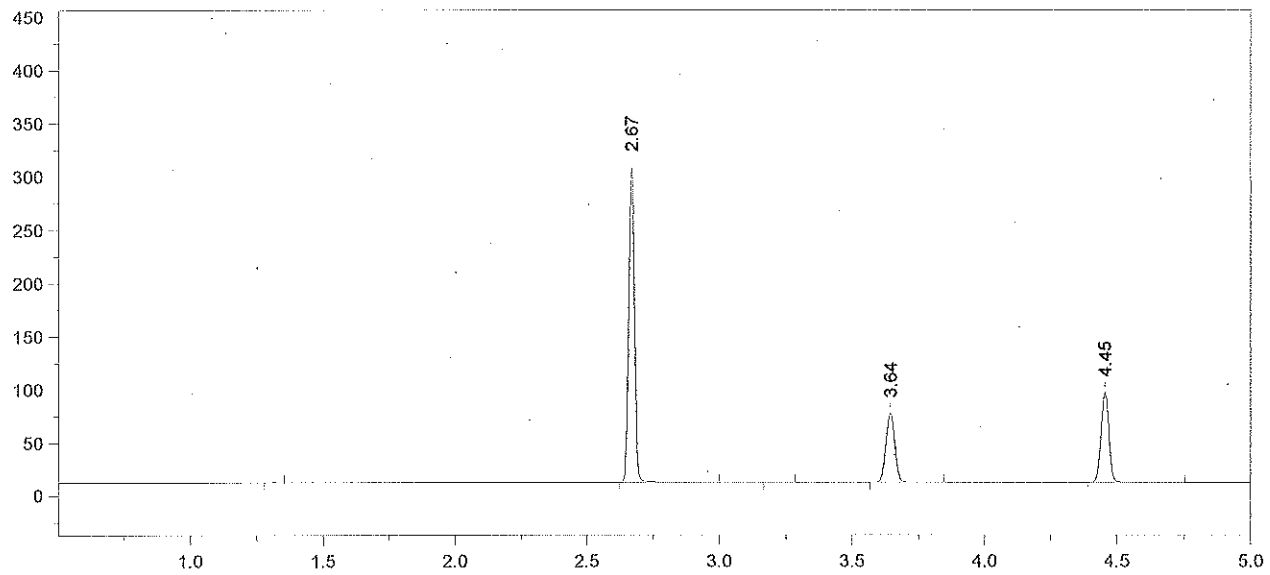
$\bar{X}$ = 0.083
11/13/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 8:24:03 AM
Bound File Name = SIM11072012.0059.RAW
Sample Name = 0.4 TLC
Date Taken = 11/8/2012 8:23:53 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

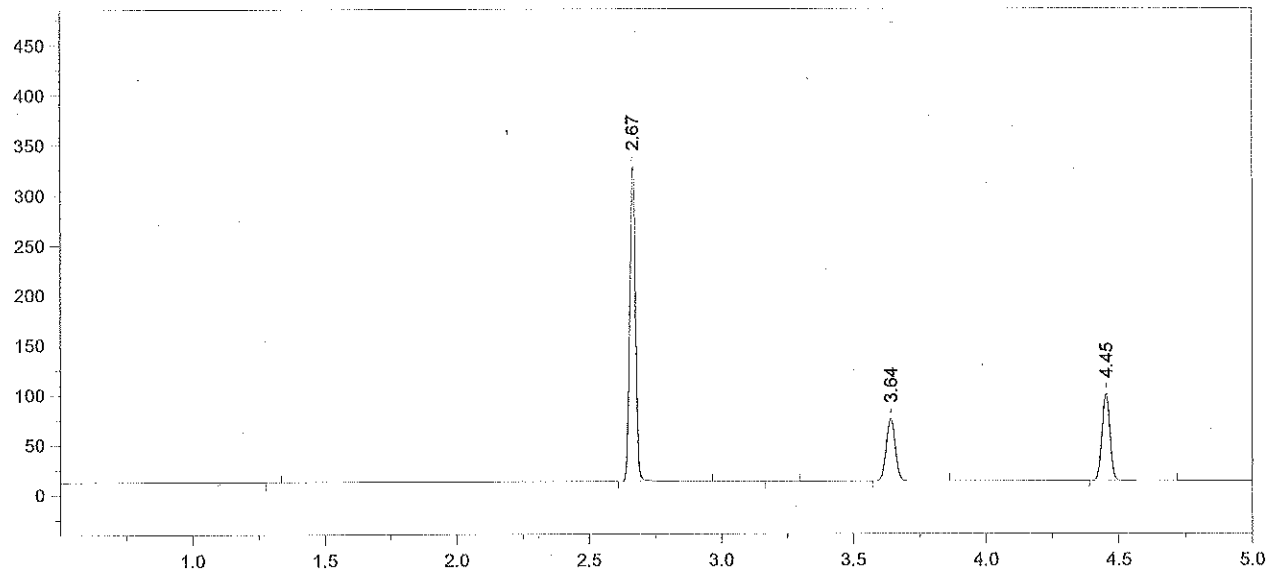
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	474571	0.5143	0.4197
4	3.64	t-Butanol	145053	0.9713	0.7928
5	4.45	n-Propanol	182948	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 8:40:17 AM
Bound File Name = SIM11072012.0060.RAW
Sample Name = 0.4 TLC
Date Taken = 11/8/2012 8:40:12 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

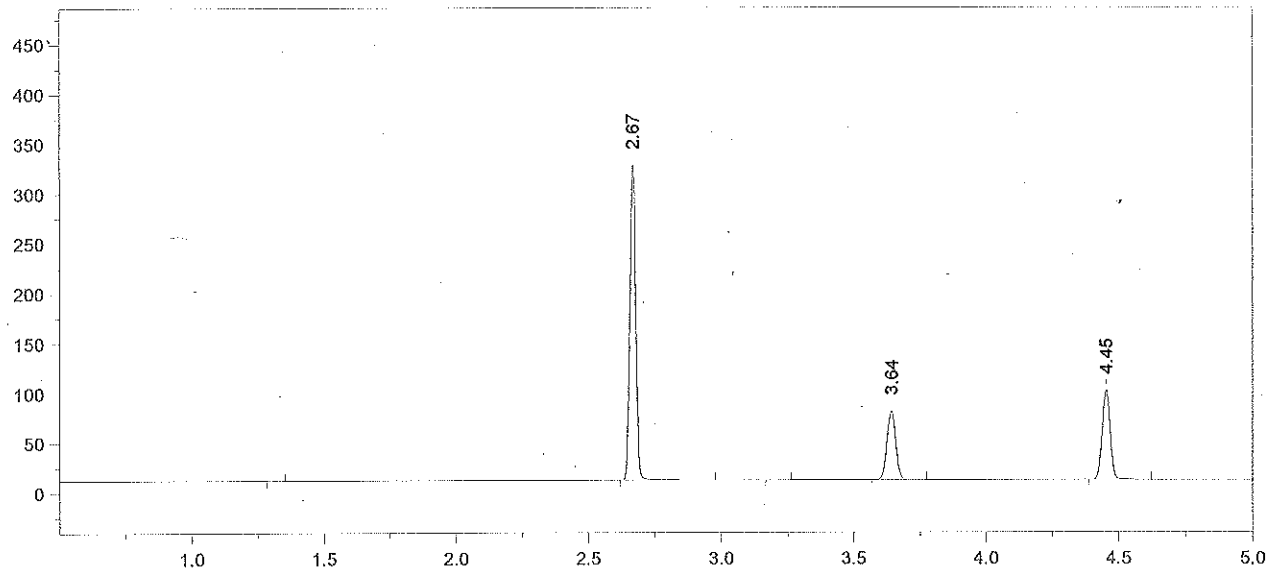
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	452710	0.5020	0.4097
4	3.64	t-Butanol	149543	1.0247	0.8363
5	4.45	n-Propanol	178788	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 8:54:21 AM
Bound File Name = SIM11072012.0061.RAW
Sample Name = 0.4 TLC
Date Taken = 11/8/2012 8:54:15 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

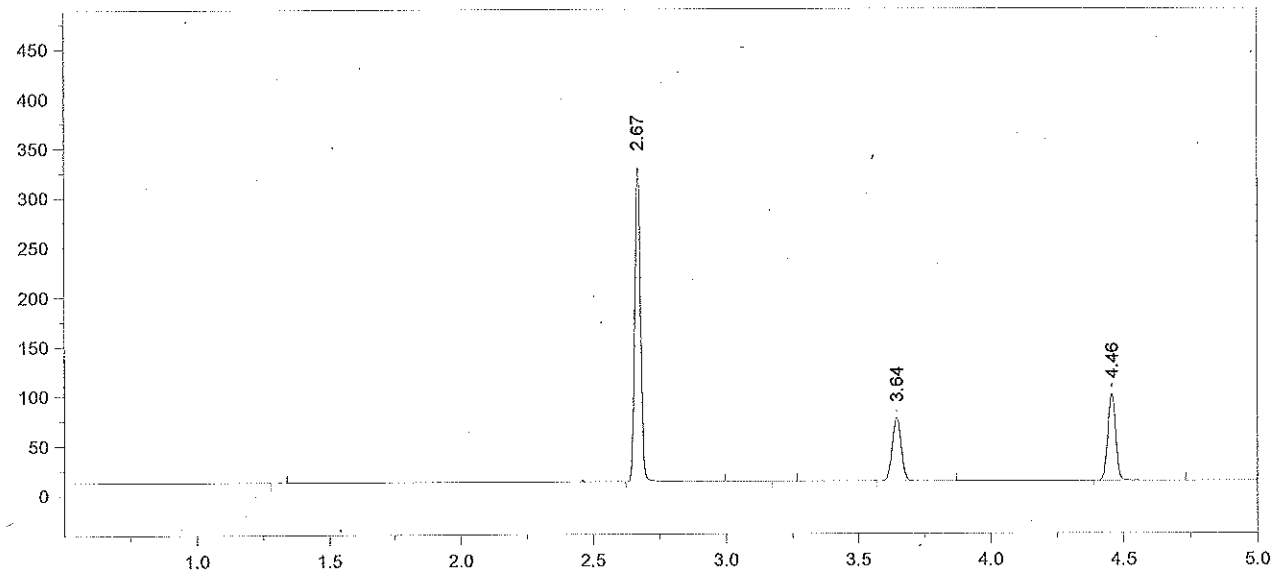
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	482268	0.5175	0.4224
4	3.64	t-Butanol	144259	0.9565	0.7807
5	4.45	n-Propanol	184751	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 9:11:45 AM
Bound File Name = SIM11072012.0062.RAW
Sample Name = 0.4 TLC
Date Taken = 11/8/2012 9:11:36 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

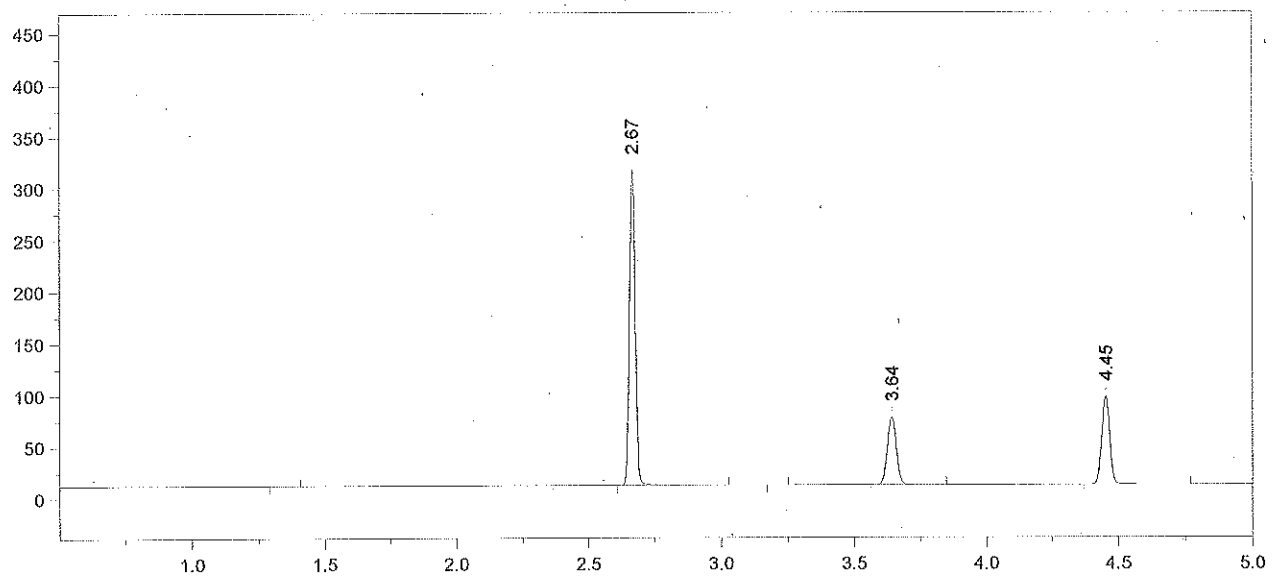
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	481428	0.5026	0.4102
4	3.64	t-Butanol	159127	1.0266	0.8379
5	4.45	n-Propanol	189890	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 9:25:30 AM
Bound File Name = SIM11072012.0063.RAW
Sample Name = 0.4 TLC
Date Taken = 11/8/2012 9:25:21 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

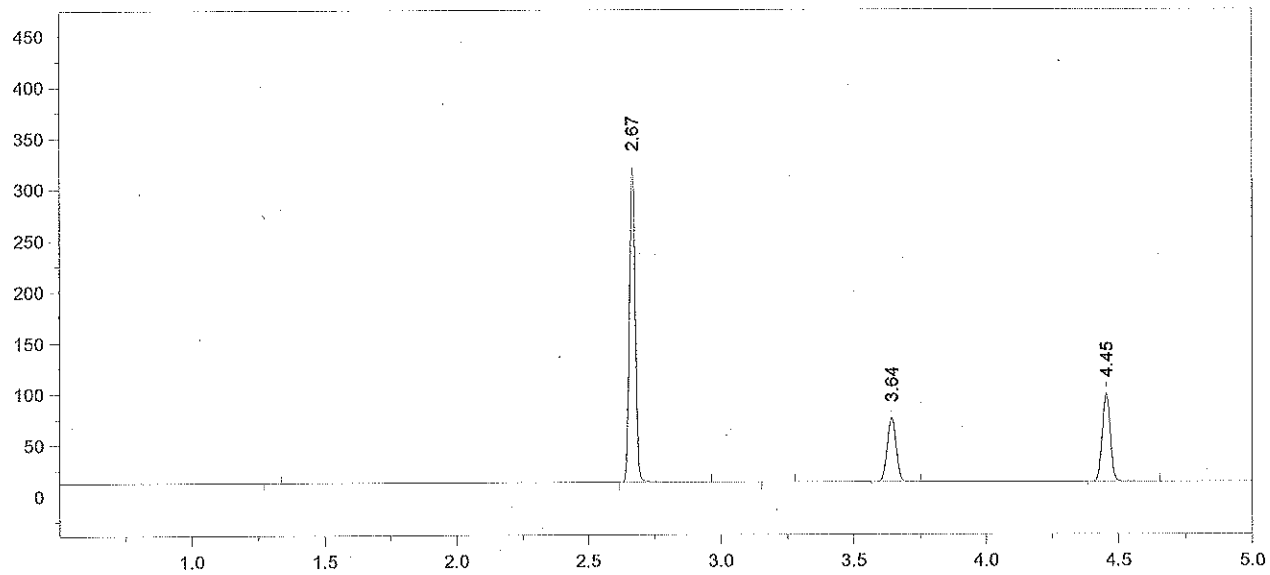
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	484353	0.5182	0.4230
4	3.64	t-Butanol	146665	0.9697	0.7915
5	4.46	n-Propanol	185279	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 9:43:10 AM
Bound File Name = SIM11072012.0064.RAW
Sample Name = 0.4 TLC
Date Taken = 11/8/2012 9:43:00 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

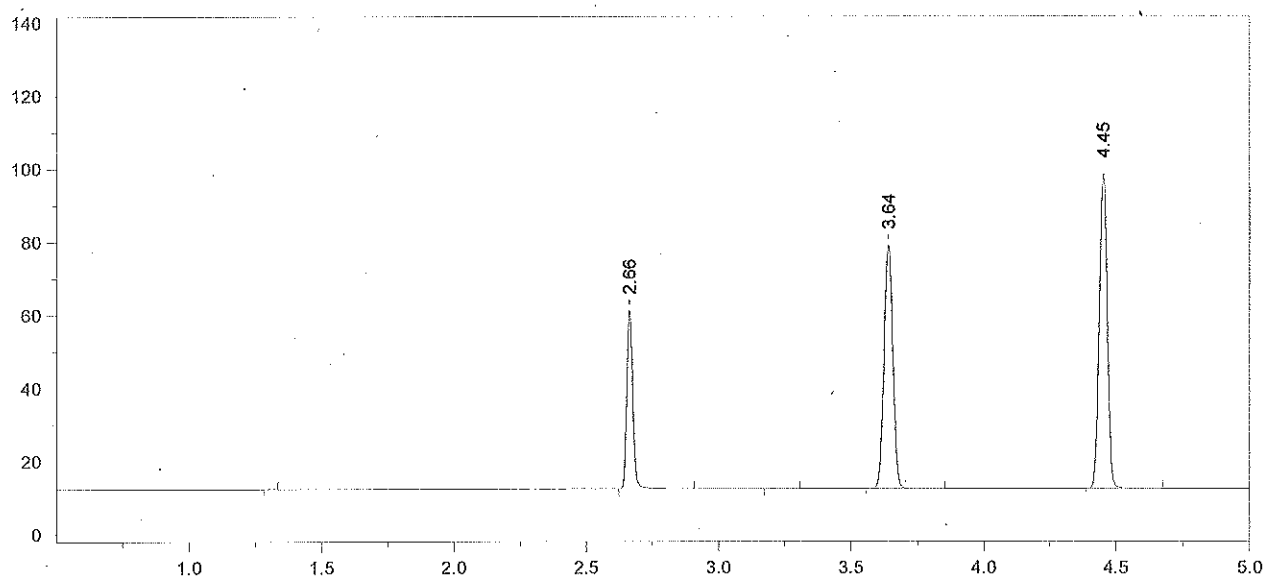
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	461734	0.5040	0.4114
4	3.64	t-Butanol	151904	1.0247	0.8363
5	4.45	n-Propanol	181609	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 9:57:04 AM
Bound File Name = SIM11072012.0065.RAW
Sample Name = 0.4 TLC
Date Taken = 11/8/2012 9:56:53 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

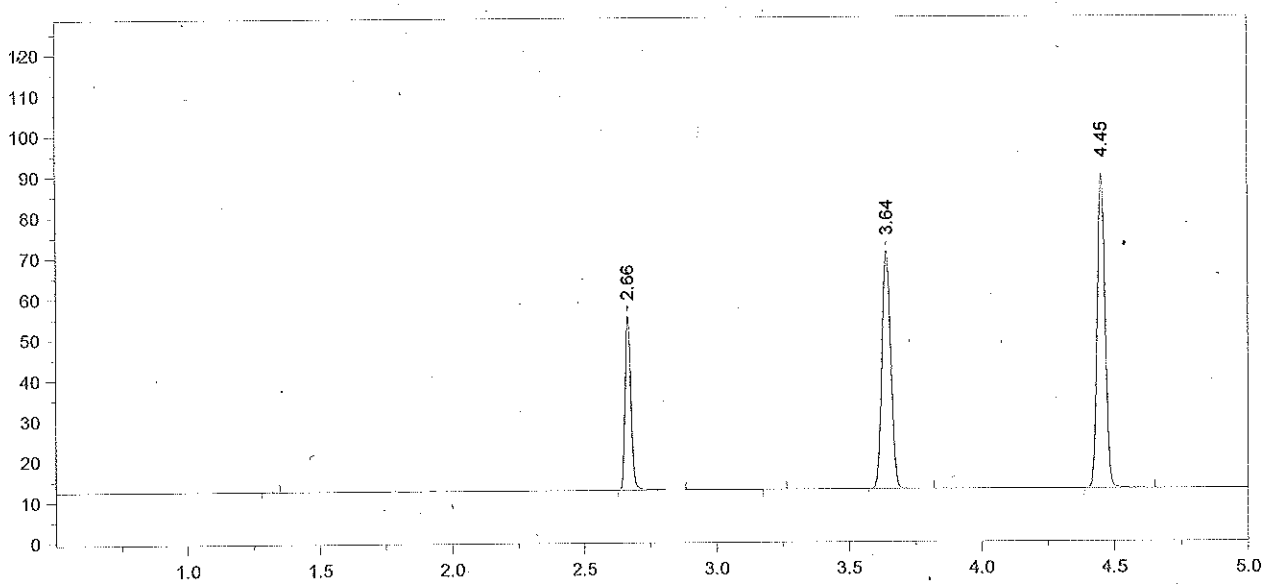
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	473431	0.5127	0.4185
4	3.64	t-Butanol	143835	0.9626	0.7857
5	4.45	n-Propanol	183049	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012 Today's Time = 10:14:35 AM
Bound File Name = SIM11072012.0066.RAW
Sample Name = CCS
Date Taken = 11/8/2012 10:14:23 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	76189	0.0827	0.0675
4	3.64	t-Butanol	154121	1.0341	0.8440
5	4.45	n-Propanol	182579	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 10:28:07 AM
Bound File Name = SIM11072012.0067.RAW
Sample Name = CCS
Date Taken = 11/8/2012 10:28:00 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	67064	0.0813	0.0664
4	3.64	t-Butanol	135554	1.0155	0.8288
5	4.45	n-Propanol	163527	1.0000	0.8162

$\bar{x}$ = 0.082
11/15/12
A

Headspace Alcohol Analysis Standards Coversheet

Analyst: TLC Date: 11/8/12

Calibration Standards:

Lot ID: ES-10012012 Preparation Date: 10/1/2012 Expiration Date: 1/1/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check
% Ethanol (w/v)	0.006	0.024	0.081	0.200	0.403	0.081
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	0.089
	0.005	0.022	0.073	0.180	0.363	0.073

Control Sample:

Sample	Source	Lot number	Target Value	Acceptance Range	
Aqueous	Cerilliant	FN021111-03	0.080	0.072	0.088

Calibration and Control Sample Data:

Vial No.	Sample Identification		Result	In Range?	Comments
1	Blank		<0.005	Y N	
2	Compound Retention Times:			N/A	
		Acetaldehyde	1.92		
		Methanol	2.03		
		Ethanol	2.67		
		Acetone	3.07		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3	Standard A		0.006	Y N	
4	Standard B		0.023	Y N	
5	Standard C		0.081	Y N	
6	Standard D		0.197	Y N	
7	Standard E		0.404	Y N	
8	Aqueous QC		0.0764	Y N	
9	Aqueous QC		0.0797	Y N	Avg = 0.078 97% recovery ✓

TLC 11/15/2012

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	VFL11082012.0063.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
64	VFL11082012.0064.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
65	VFL11082012.0065.raw	simsoln.met	0.04 ALB	1.00	1.00
66	VFL11082012.0066.raw	simsoln.met	0.04 ALB	1.00	1.00
67	VFL11082012.0067.raw	simsoln.met	0.04 ALB	1.00	1.00
68	VFL11082012.0068.raw	simsoln.met	0.04 ALB	1.00	1.00
69	VFL11082012.0069.raw	simsoln.met	0.04 ALB	1.00	1.00
70	VFL11082012.0070.raw	simsoln.met	0.04 ALB	1.00	1.00
71	VFL11082012.0071.raw	simsoln.met	0.04 ALB	1.00	1.00
72	VFL11082012.0072.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
73	VFL11082012.0073.raw	Blood Alc New VFL.MET	CCS	1.00	1.00

File Name = C:\Alcohol Data\VFL11082012\VFL11082012.SEQ
Version = 2
File Date = 11/9/2012 9:45:22 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL11082012.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	VFL11082012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	VFL11082012.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	VFL11082012.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	VFL11082012.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	VFL11082012.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	VFL11082012.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	VFL11082012.0008.raw	Blood Alc New VFL.MET	WB	1.00	1.00
9	VFL11082012.0009.raw	Blood Alc New VFL.MET	WB	1.00	1.00
10	VFL11082012.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	VFL11082012.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	VFL11082012.0012.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
13	VFL11082012.0013.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
14	VFL11082012.0014.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
15	VFL11082012.0015.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
16	VFL11082012.0016.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
17	VFL11082012.0017.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
18	VFL11082012.0018.raw	simsoln.met	TLC 0.08 1	1.00	1.00
19	VFL11082012.0019.raw	simsoln.met	TLC 0.08 2	1.00	1.00
20	VFL11082012.0020.raw	simsoln.met	TLC 0.08 3	1.00	1.00
21	VFL11082012.0021.raw	simsoln.met	TLC 0.08 4	1.00	1.00
22	VFL11082012.0022.raw	simsoln.met	TLC 0.08 5	1.00	1.00
23	VFL11082012.0023.raw	simsoln.met	TLC 0.08 6	1.00	1.00
24	VFL11082012.0024.raw	simsoln.met	TLC 0.08 7	1.00	1.00
25	VFL11082012.0025.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
26	VFL11082012.0026.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
27	VFL11082012.0027.raw	simsoln.met	ALB 0.08 1	1.00	1.00
28	VFL11082012.0028.raw	simsoln.met	ALB 0.08 2	1.00	1.00
29	VFL11082012.0029.raw	simsoln.met	ALB 0.08 3	1.00	1.00
30	VFL11082012.0030.raw	simsoln.met	ALB 0.08 4	1.00	1.00
31	VFL11082012.0031.raw	simsoln.met	ALB 0.08 5	1.00	1.00
32	VFL11082012.0032.raw	simsoln.met	ALB 0.08 6	1.00	1.00
33	VFL11082012.0033.raw	simsoln.met	ALB 0.08 7	1.00	1.00
34	VFL11082012.0034.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
35	VFL11082012.0035.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
36	VFL11082012.0036.raw	simsoln.met	TLC 0.4 1	1.00	1.00
37	VFL11082012.0037.raw	simsoln.met	TLC 0.4 2	1.00	1.00
38	VFL11082012.0038.raw	simsoln.met	TLC 0.4 3	1.00	1.00
39	VFL11082012.0039.raw	simsoln.met	TLC 0.4 4	1.00	1.00
40	VFL11082012.0040.raw	simsoln.met	TLC 0.4 5	1.00	1.00
41	VFL11082012.0041.raw	simsoln.met	TLC 0.4 6	1.00	1.00
42	VFL11082012.0042.raw	simsoln.met	TLC 0.4 7	1.00	1.00
43	VFL11082012.0043.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
44	VFL11082012.0044.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
45	VFL11082012.0045.raw	simsoln.met	ALB 0.4 1	1.00	1.00
46	VFL11082012.0046.raw	simsoln.met	ALB 0.4 2	1.00	1.00
47	VFL11082012.0047.raw	simsoln.met	ALB 0.4 3	1.00	1.00
48	VFL11082012.0048.raw	simsoln.met	ALB 0.4 4	1.00	1.00
49	VFL11082012.0049.raw	simsoln.met	ALB 0.4 5	1.00	1.00
50	VFL11082012.0050.raw	simsoln.met	ALB 0.4 6	1.00	1.00
51	VFL11082012.0051.raw	simsoln.met	ALB 0.4 7	1.00	1.00
52	VFL11082012.0052.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
53	VFL11082012.0053.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
54	VFL11082012.0054.raw	Blood Alc New VFL.MET	CCS 110912	1.00	1.00
55	VFL11082012.0055.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
56	VFL11082012.0056.raw	simsoln.met	0.08 ALB	1.00	1.00
57	VFL11082012.0057.raw	simsoln.met	0.08 ALB	1.00	1.00
58	VFL11082012.0058.raw	simsoln.met	0.08 ALB	1.00	1.00
59	VFL11082012.0059.raw	simsoln.met	0.08 ALB	1.00	1.00
60	VFL11082012.0060.raw	simsoln.met	0.08 ALB	1.00	1.00
61	VFL11082012.0061.raw	simsoln.met	0.08 ALB	1.00	1.00
62	VFL11082012.0062.raw	simsoln.met	0.08 ALB	1.00	1.00

whole blood QC for end. Spls 11/13/12

End Spls Not included

different Solution not included 11/13/12

vials not on auto sampler at time of analysis rerun 11/13/12

different Solution not included 11/13/12

File Name: C:\Methods\VFL11082012.CAL
Version: 1

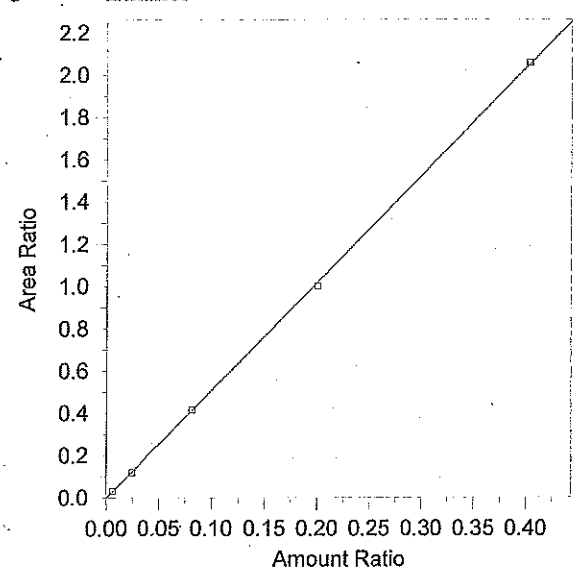
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1000
Reference peak area reject threshold: 0
Amount units:
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

3 Ethanol



Expected retention time: 2.667 minutes
Search window: 0.1 minutes
Internal standard component: 7 (n-Propanol)
No retention time reference component
Group number: 0

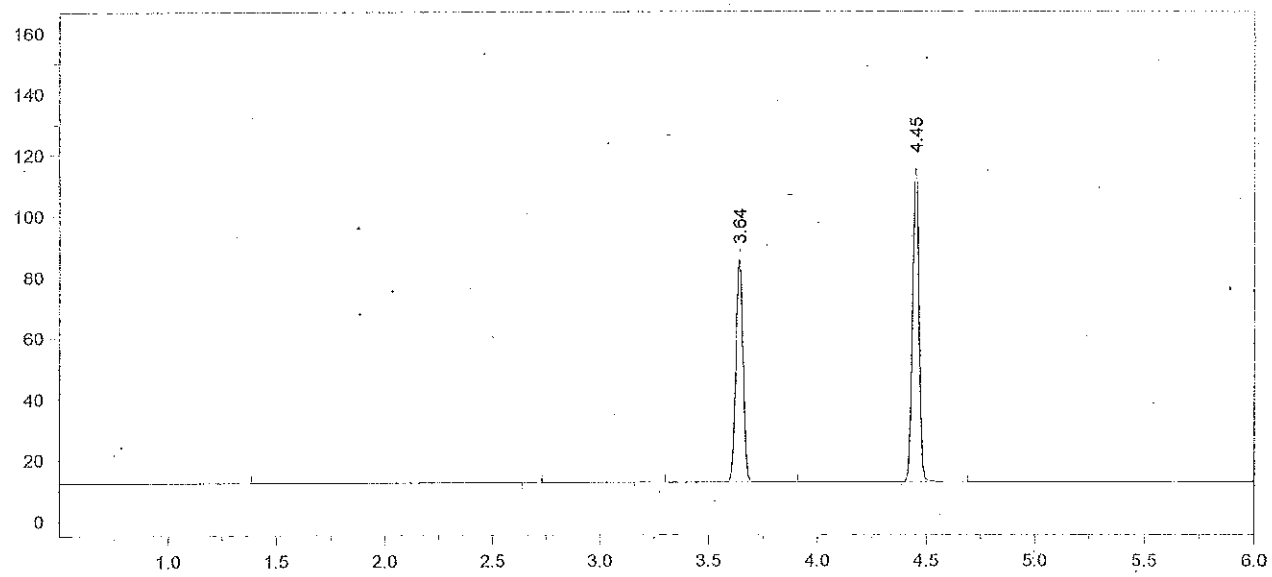
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

Y = 5.083527 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998693
Average error: 1.433%
Average CF: 5.059681
RSD: 1.904%

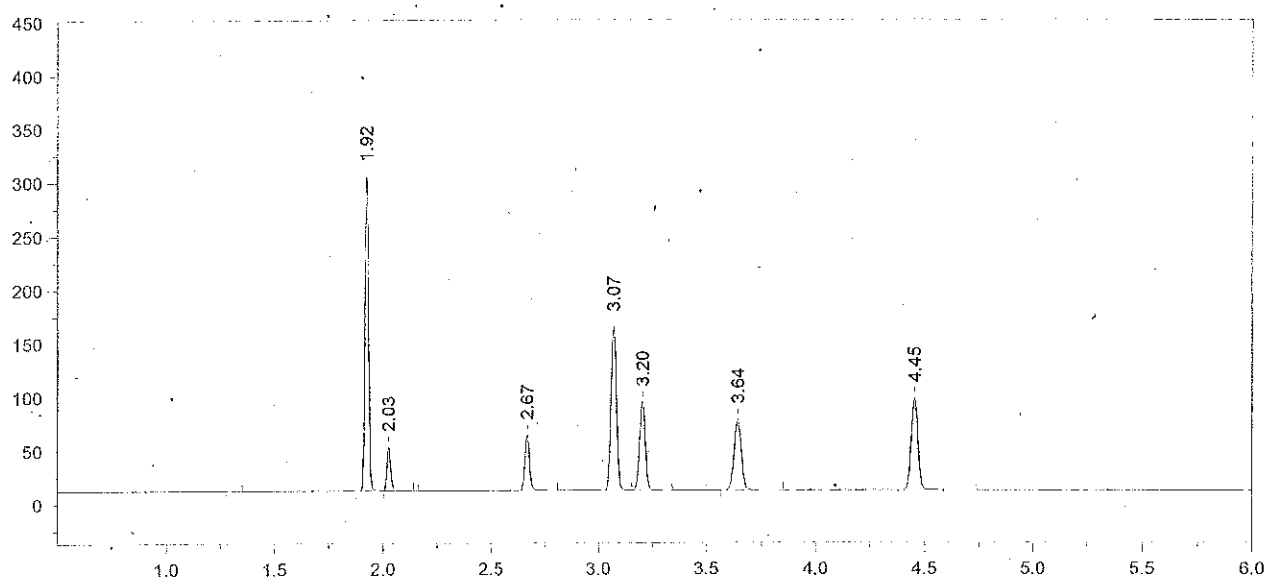
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.087)	(85146)	--	--	0.087	85146	Manual	8/8/2012 7:53:22 AM
2	0.006	6582.509	1097085	1.672	0.006	3.101114E-02	C:\Alcohol Data\VFL11082012\VFL11082012.0003.BND	11/8/2012 3:19:25 PM
3	0.0242	21826.11	901905.4	-3.113	0.0242	0.1191912	C:\Alcohol Data\VFL11082012\VFL11082012.0004.BND	11/8/2012 3:37:45 PM
4	0.0813	76394.92	939666.9	0.335	0.0813	0.4146773	C:\Alcohol Data\VFL11082012\VFL11082012.0005.BND	11/8/2012 3:51:19 PM
5	0.2004	216313.2	1079407	-1.643	0.2004	1.002001	C:\Alcohol Data\VFL11082012\VFL11082012.0006.BND	11/8/2012 4:07:21 PM
6	0.403	377838	937563.3	0.403	0.403	2.056927	C:\Alcohol Data\VFL11082012\VFL11082012.0007.BND	11/8/2012 4:22:49 PM



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:03:44 AM
Bound File Name = VFL11082012.0001.RAW
Sample Name = Blank
Date Taken = 11/8/2012 2:48:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

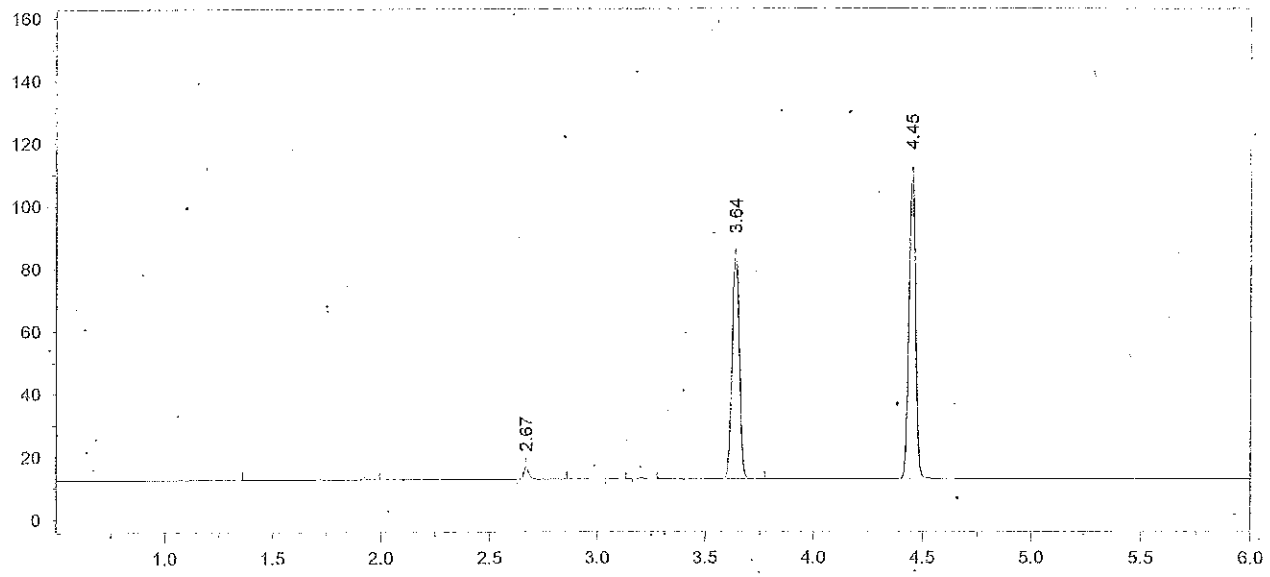
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	168585	0.9468
5	4.45	n-Propanol	218929	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:04 AM
Bound File Name = VFL11082012.0002.RAW
Sample Name = TMX
Date Taken = 11/8/2012 3:06:08 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

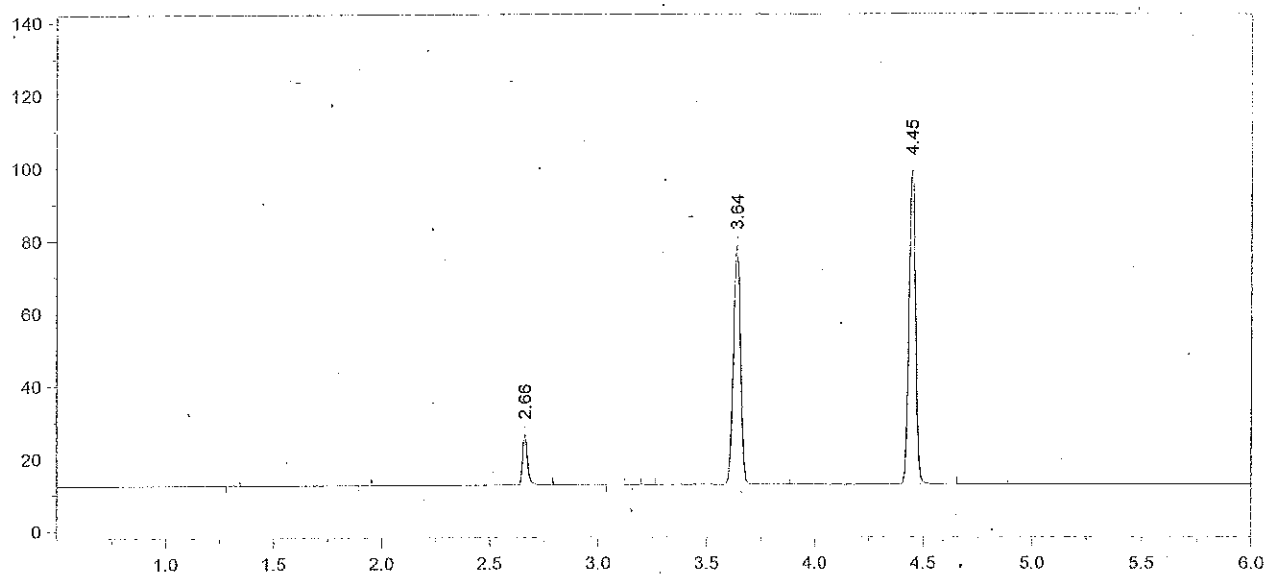
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	335630	0.0720
3	2.03	Methanol	50602	0.1210
4	2.67	Ethanol	79170	0.0854
5	3.07	Acetone	258328	0.0690
6	3.20	Isopropanol	153210	0.0830
7	3.64	t-Butanol	152478	1.0282
8	4.45	n-Propanol	182342	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:12 AM
Bound File Name = VFL11082012.0003.RAW
Sample Name = STD A
Date Taken = 11/8/2012 3:19:19 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

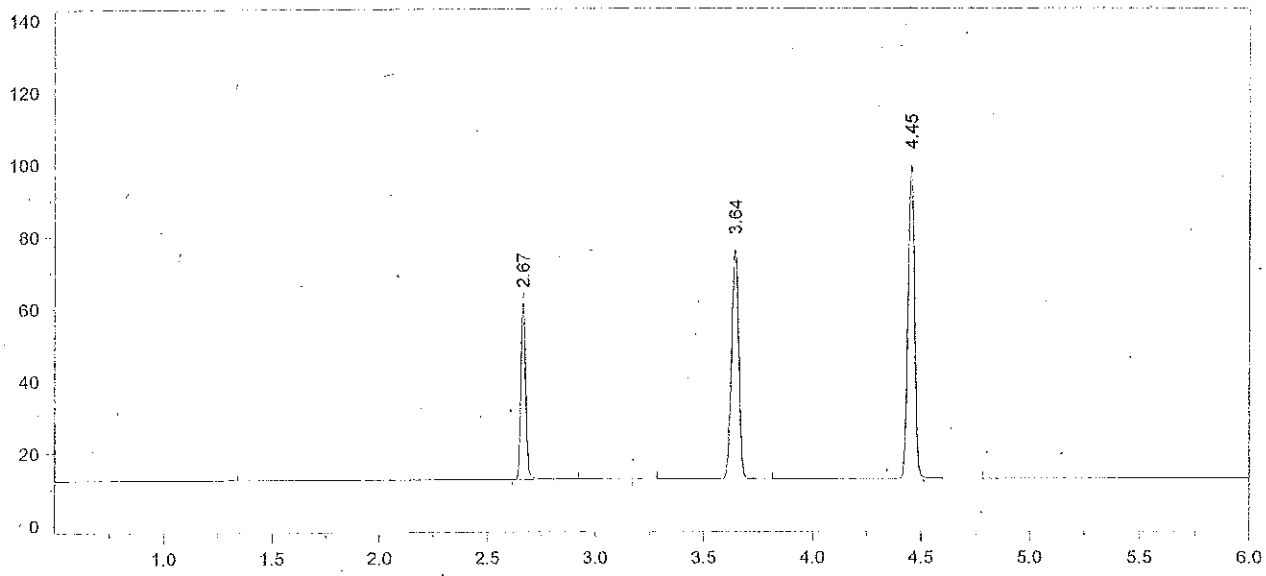
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	06583	0.0061
6	3.64	t-Butanol	169406	0.9813
7	4.45	n-Propanol	212263	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:20 AM
Bound File Name = VFL11082012.0004.RAW
Sample Name = STD B
Date Taken = 11/8/2012 3:37:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

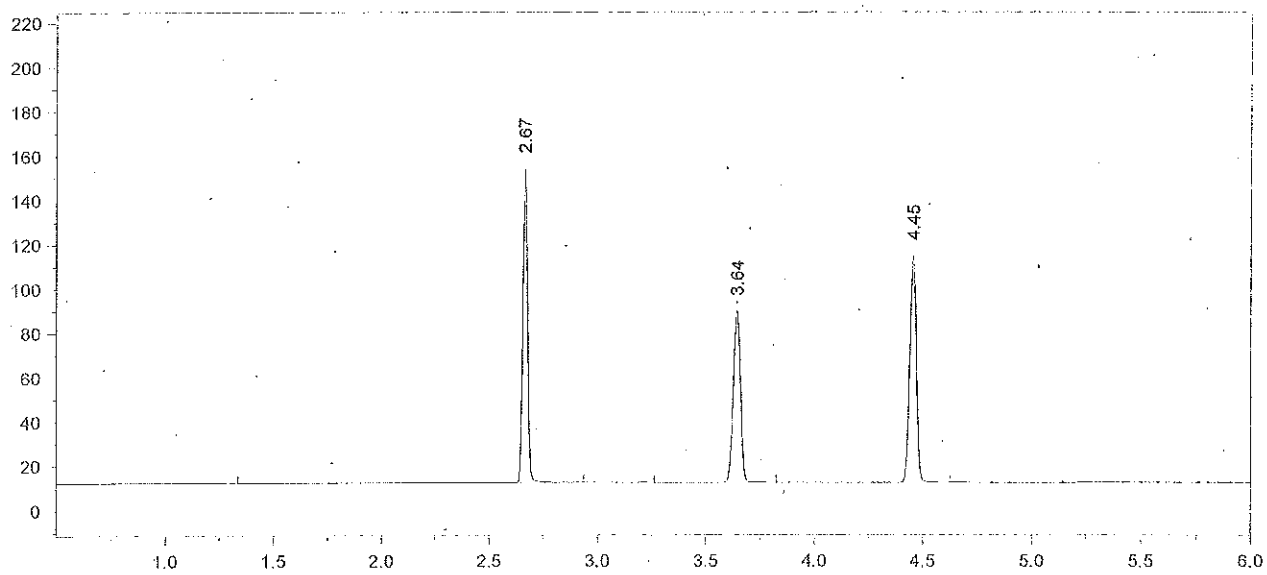
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	21826	0.0234
6	3.64	t-Butanol	153016	1.0275
7	4.45	n-Propanol	183119	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:28 AM
Bound File Name = VFL11082012.0005.RAW
Sample Name = STD C
Date Taken = 11/8/2012 3:51:11 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

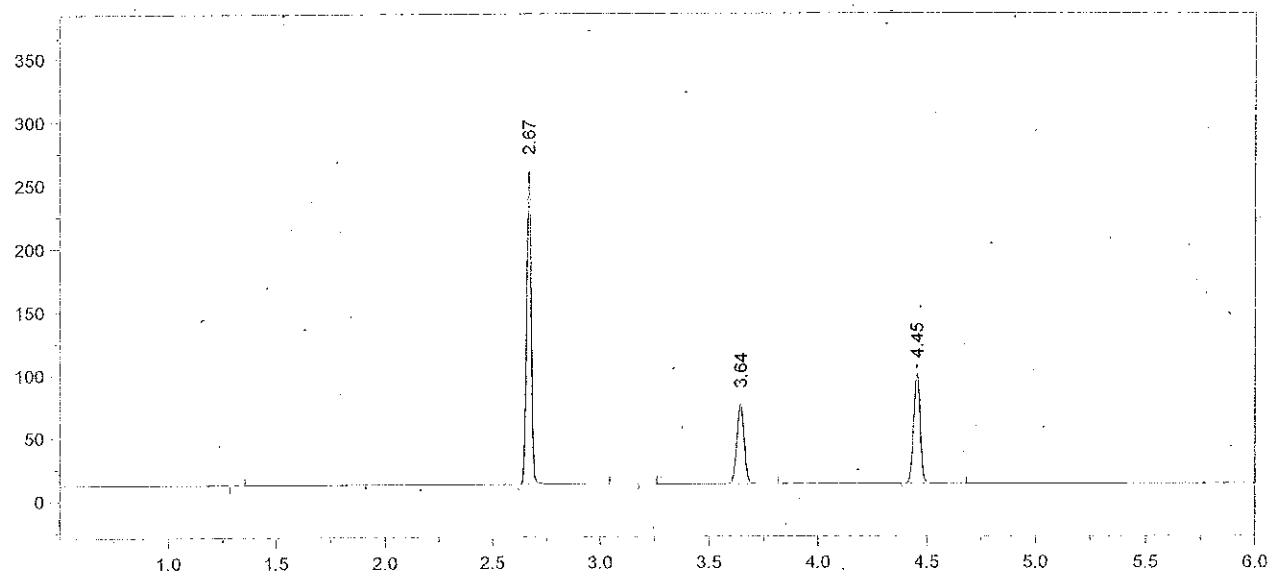
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	76395	0.0816
4	3.64	t-Butanol	146151	0.9755
5	4.45	n-Propanol	184227	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:37 AM
Bound File Name = VFL11082012.0006.RAW
Sample Name = STD D
Date Taken = 11/8/2012 4:07:14 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

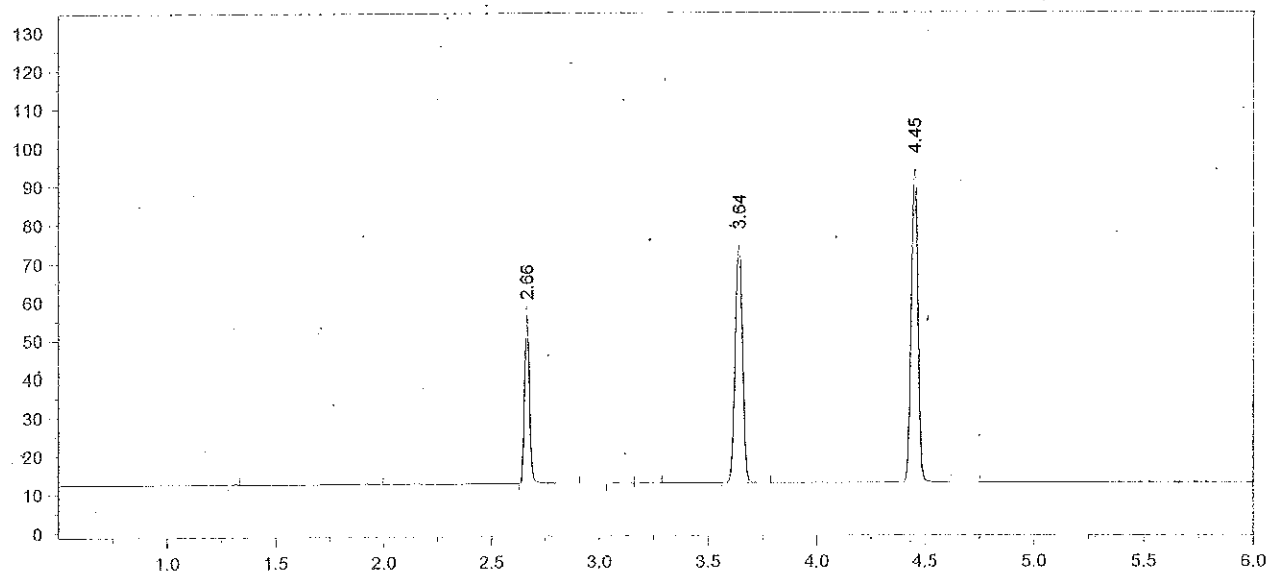
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	216313	0.1971
4	3.64	t-Butanol	177505	1.0110
5	4.45	n-Propanol	215881	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:46 AM
Bound File Name = VFL11082012.0007.RAW
Sample Name = STD E
Date Taken = 11/8/2012 4:22:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	377838	0.4046
4	3.64	t-Butanol	145884	0.9765
5	4.45	n-Propanol	183691	1.0000

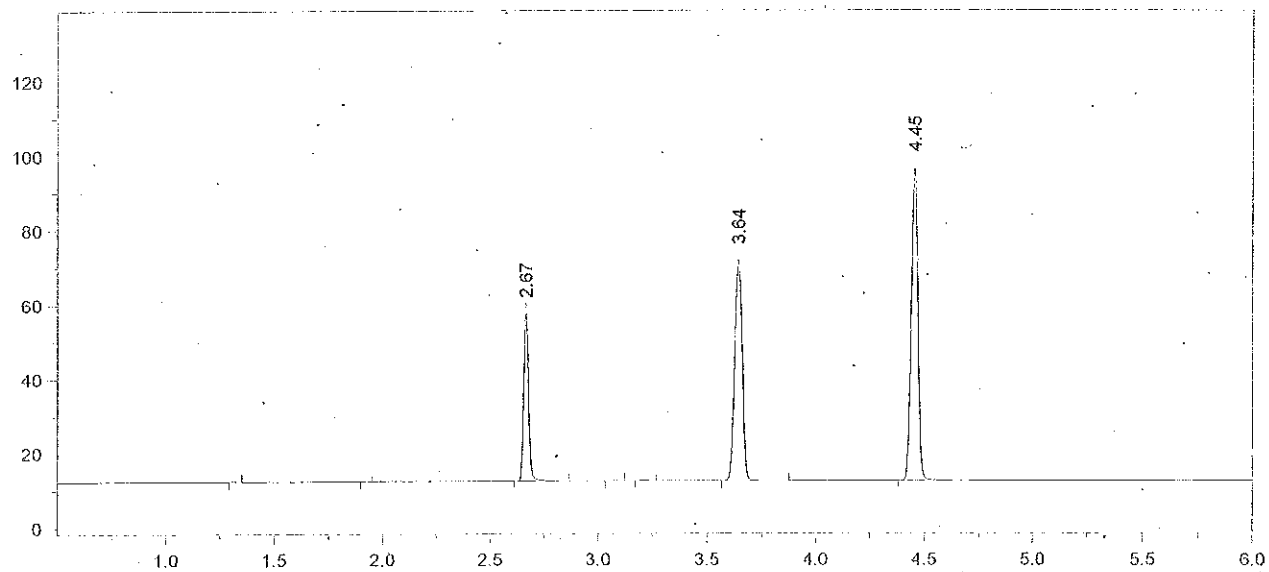


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:56 AM
Bound File Name = VFL11082012.0008.RAW
Sample Name = WB
Date Taken = 11/8/2012 4:38:51 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	68005	0.0772
6	3.64	t-Butanol	142505	1.0118
7	4.45	n-Propanol	173174	1.0000

Whole blood QC
for evidentiary
samples on run
$\bar{x}$ = 0.077
11/13/12

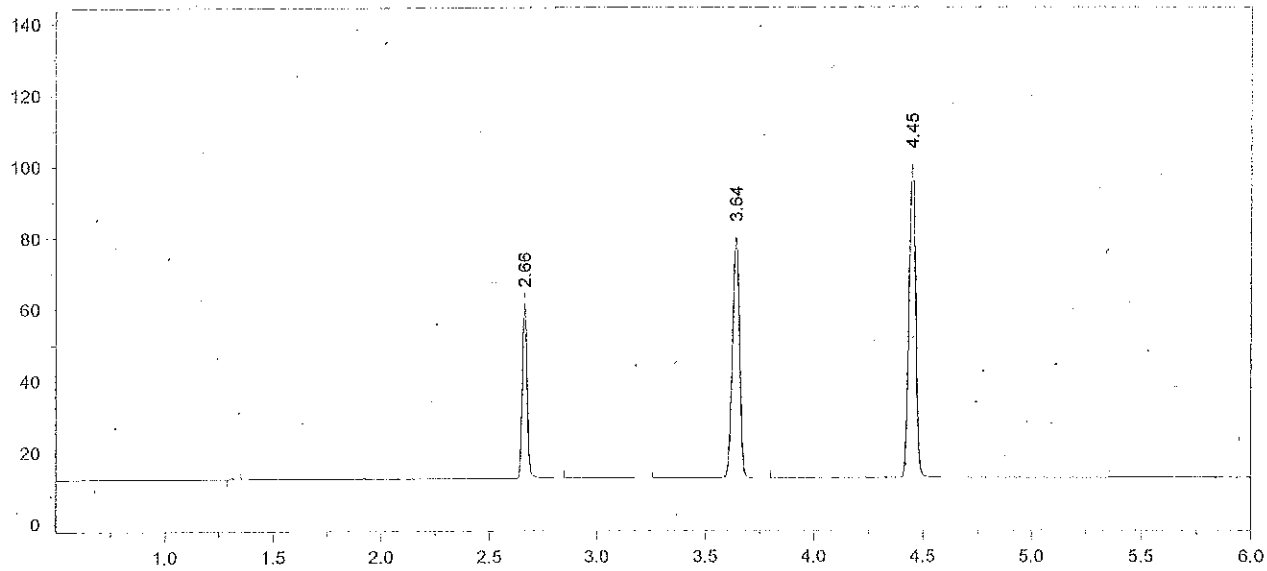


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:05 AM
Bound File Name = VFL11082012.0009.RAW
Sample Name = WB
Date Taken = 11/8/2012 4:52:24 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	70341	0.0776
6	3.64	t-Butanol	137769	0.9499
7	4.45	n-Propanol	178340	1.0000

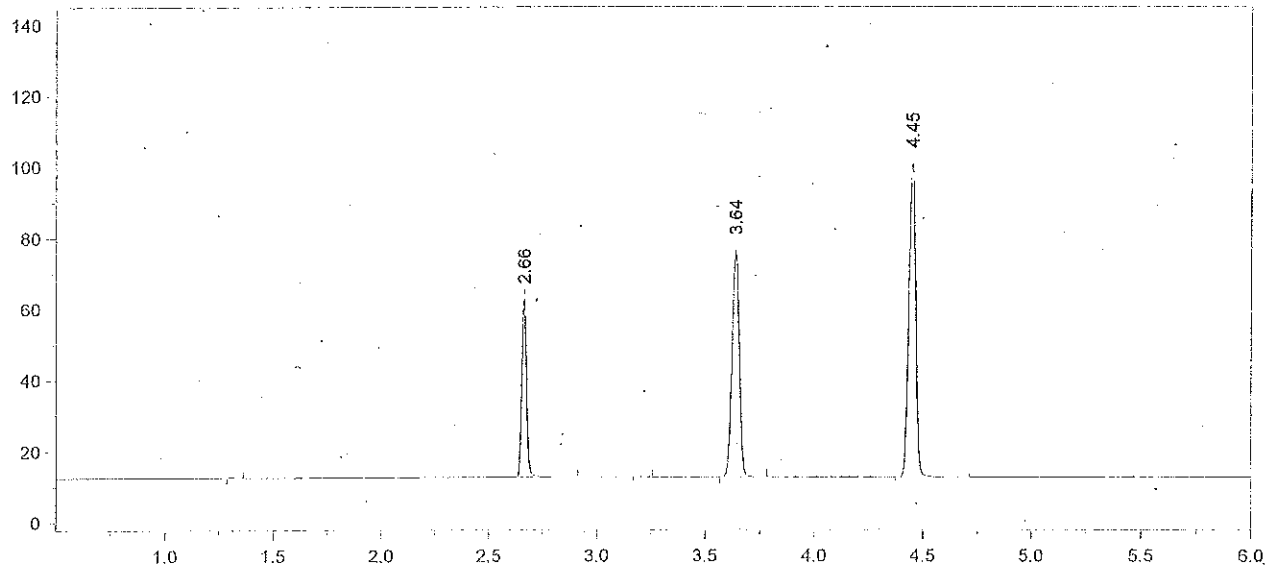
See #8
11/13/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:14 AM
Bound File Name = VFL11082012.0010.RAW
Sample Name = CCS
Date Taken = 11/8/2012 5:08:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75814	0.0801
4	3.64	t-Butanol	154892	1.0233
5	4.45	n-Propanol	186113	1.0000

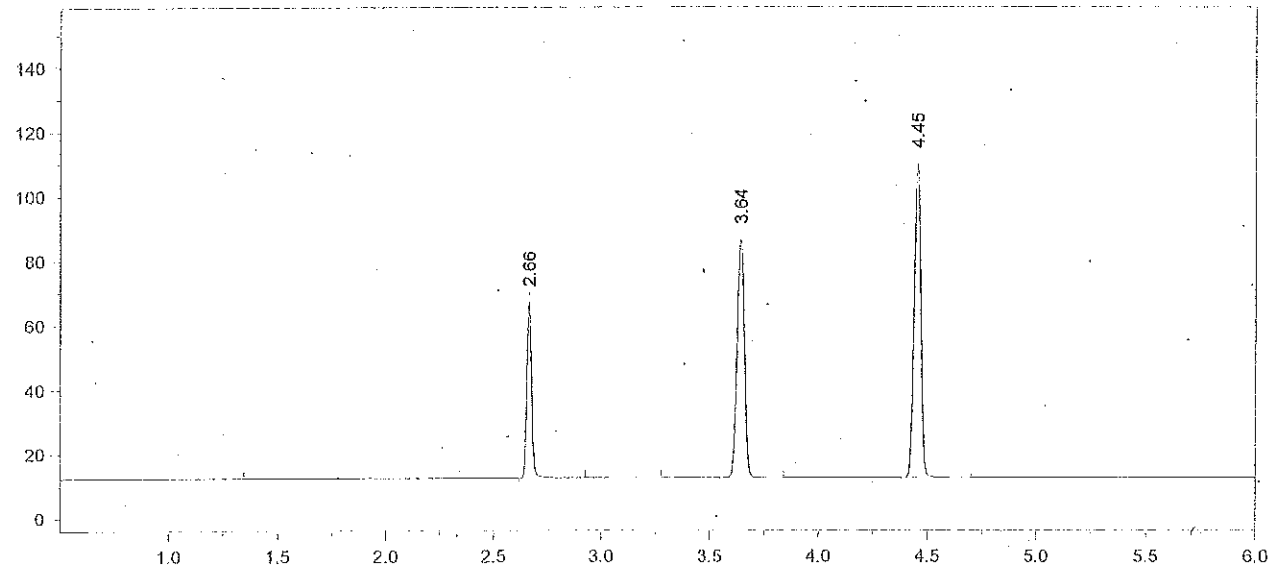


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012 Today's Time = 11:05:22 AM
Bound File Name = VFL11082012.0011.RAW
Sample Name = CCS
Date Taken = 11/8/2012 5:24:16 PM VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	78292	0.0824
4	3.64	t-Butanol	147138	0.9682
5	4.45	n-Propanol	186855	1.0000

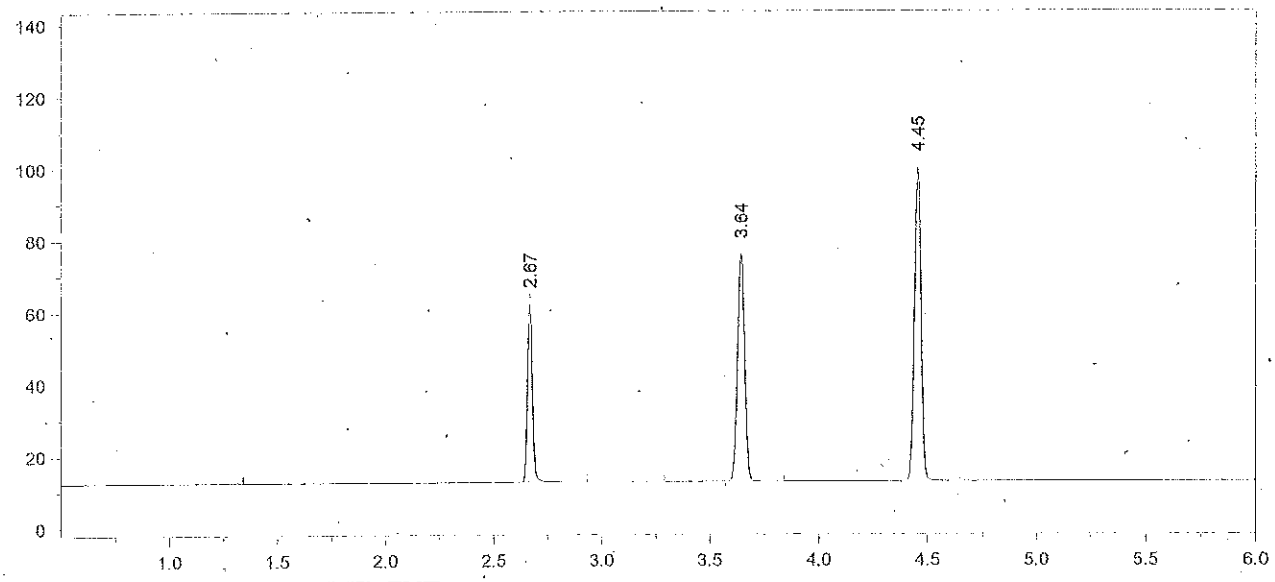
$\bar{X}$ = 0.081
11/13/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:48 AM
Bound File Name = VFL11082012.0014.RAW
Sample Name = CCS
Date Taken = 11/8/2012 6:09:49 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	84370	0.0800
4	3.64	t-Butanol	171196	1.0149
5	4.45	n-Propanol	207407	1.0000

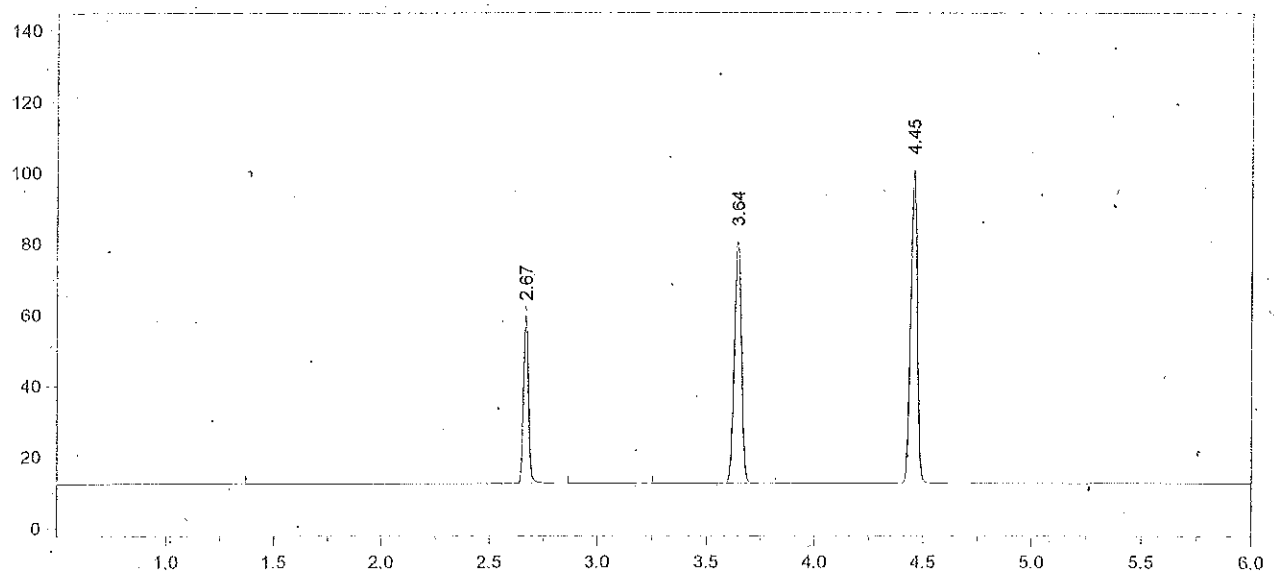


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:56 AM
Bound File Name = VFL11082012.0015.RAW
Sample Name = CCS
Date Taken = 11/8/2012 6:24:45 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	76966	0.0822
4	3.64	t-Butanol	145522	0.9718
5	4.45	n-Propanol	184129	1.0000

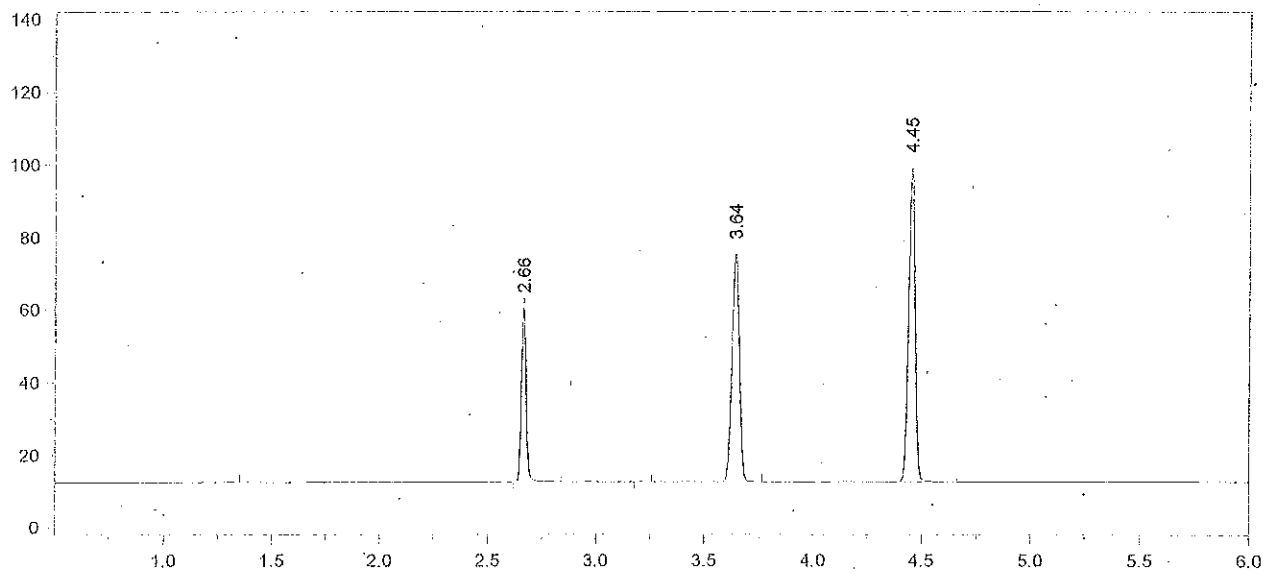
$\bar{x}$ = 0.081
11/13/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:04 AM
Bound File Name = VFL11082012.0016.RAW
Sample Name = AQ QC
Date Taken = 11/8/2012 6:41:20 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	72500	0.0764
4	3.64	t-Butanol	156532	1.0314
5	4.45	n-Propanol	186607	1.0000

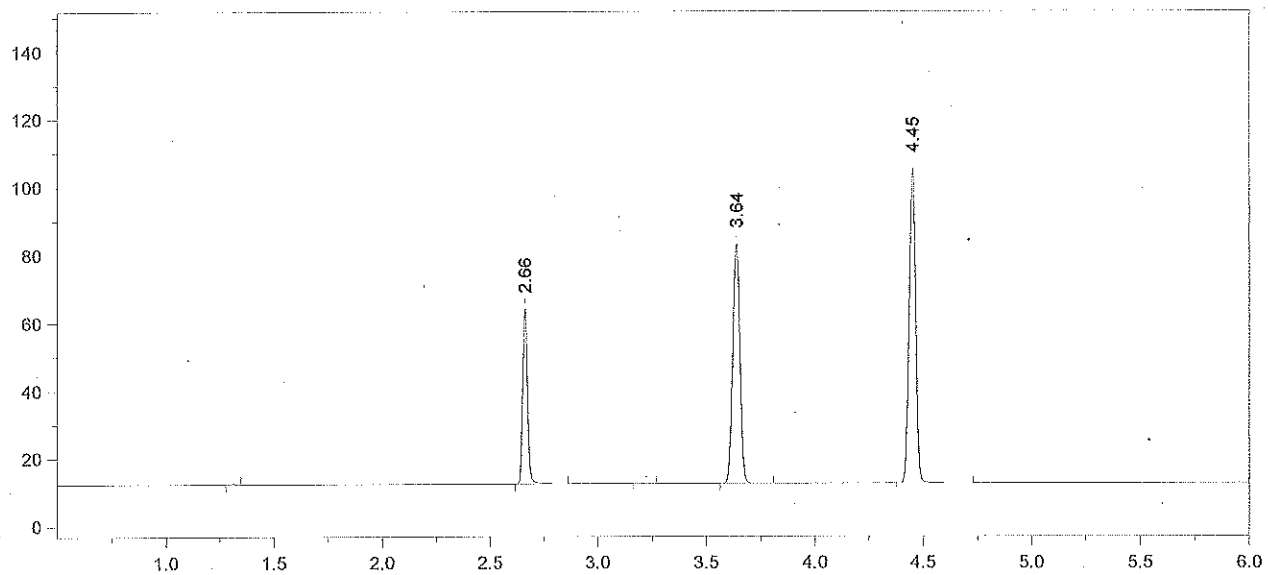


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:13 AM
Bound File Name = VFL11082012.0017.RAW
Sample Name = AQ QC
Date Taken = 11/8/2012 6:55:09 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	74152	0.0797
4	3.64	t-Butanol	144949	0.9734
5	4.45	n-Propanol	183107	1.0000

$\bar{X} = 0.078$
11/13/12

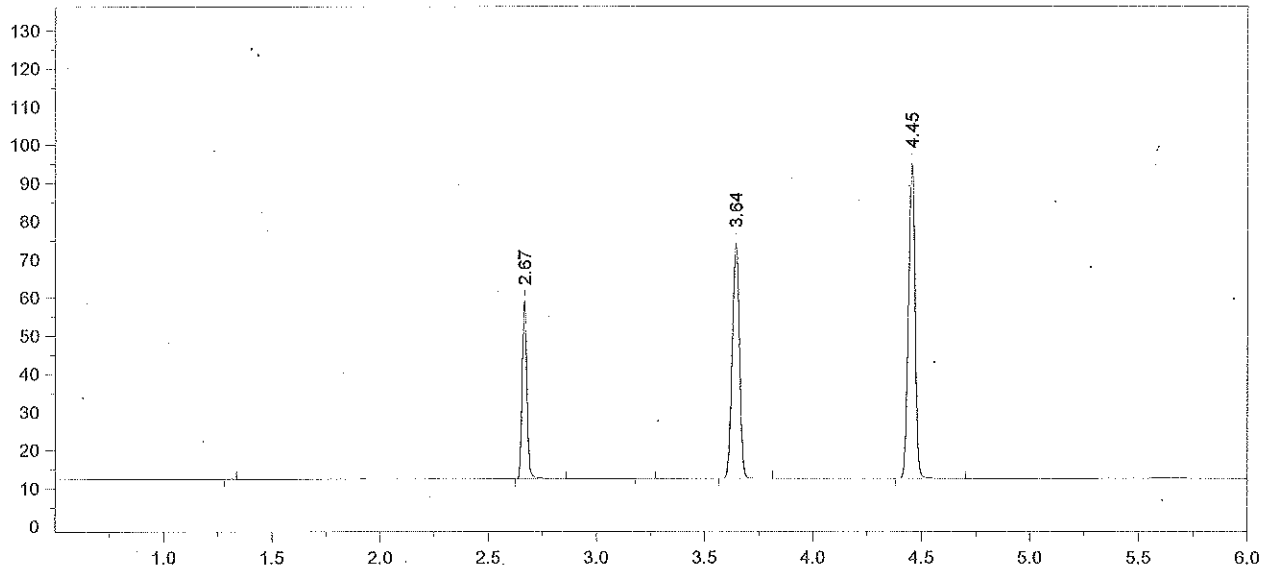


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:08:38 AM
Bound File Name = VFL11082012.0034.RAW
Sample Name = CCS
Date Taken = 11/8/2012 11:21:40 PM
VFL Headspace Alcohol
Method file = Blood Alc New.VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	79762	0.0795
4	3.64	t-Butanol	163740	1.0205
5	4.45	n-Propanol	197290	1.0000

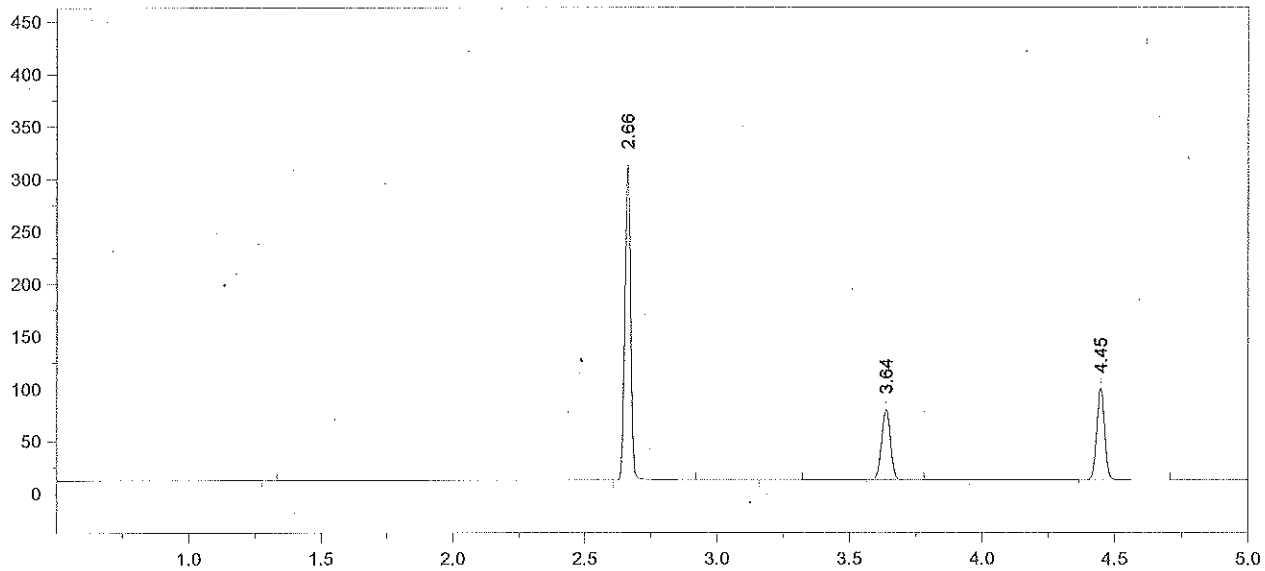
$\bar{x}$ = 0.080
11/13/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:08:46 AM
Bound File Name = VFL11082012.0035.RAW
Sample Name = CCS
Date Taken = 11/8/2012 11:36:28 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

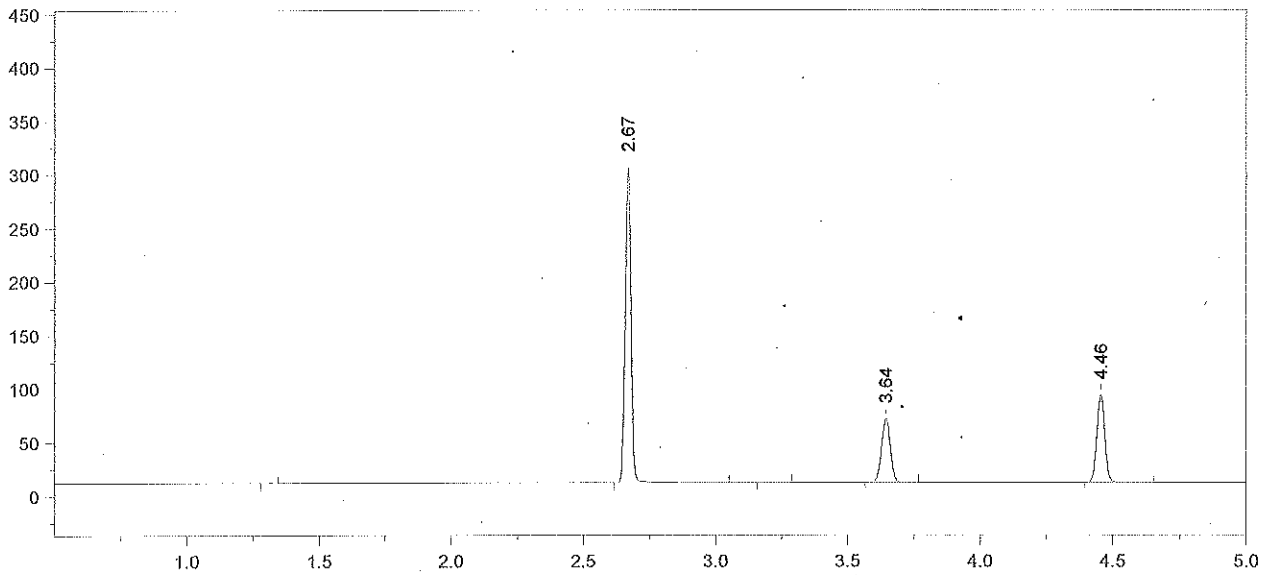
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	71931	0.0809
4	3.64	t-Butanol	142071	0.9992
5	4.45	n-Propanol	174826	1.0000



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:08:54 AM
Bound File Name = VFL11082012.0036.RAW
Sample Name = TLC 0.4 1
Date Taken = 11/8/2012 11:53:07 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

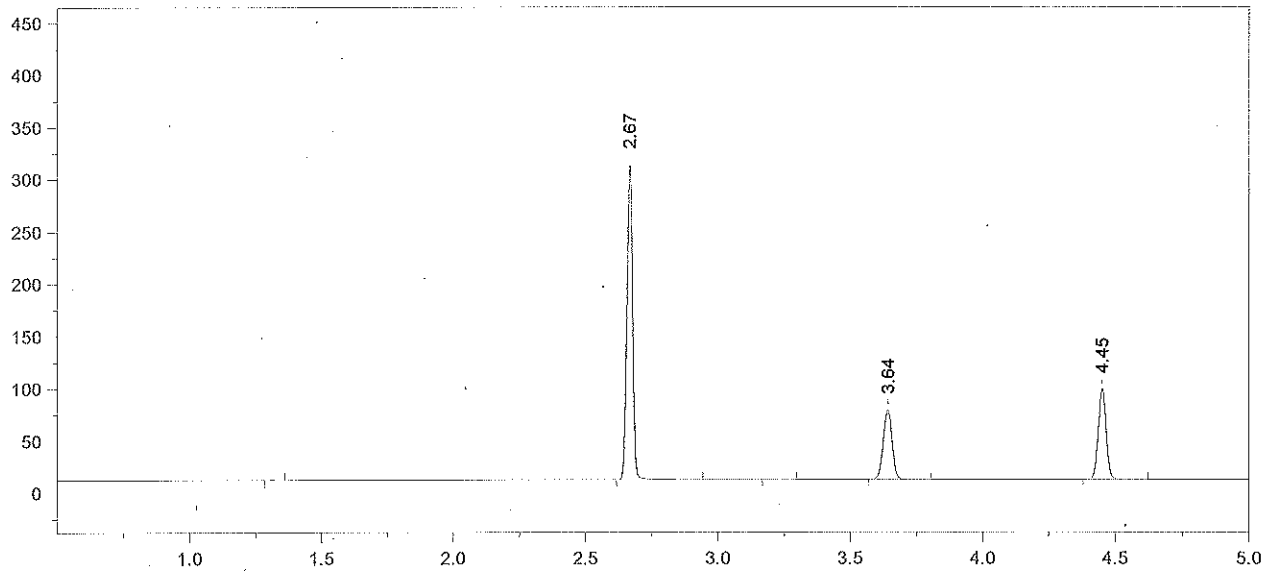
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	457440	0.4862	0.3969
4	3.64	t-Butanol	153805	1.0219	0.8341
5	4.45	n-Propanol	185064	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:09:03 AM
Bound File Name = VFL11082012.0037.RAW
Sample Name = TLC 0.4 2
Date Taken = 11/9/2012 12:06:44 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

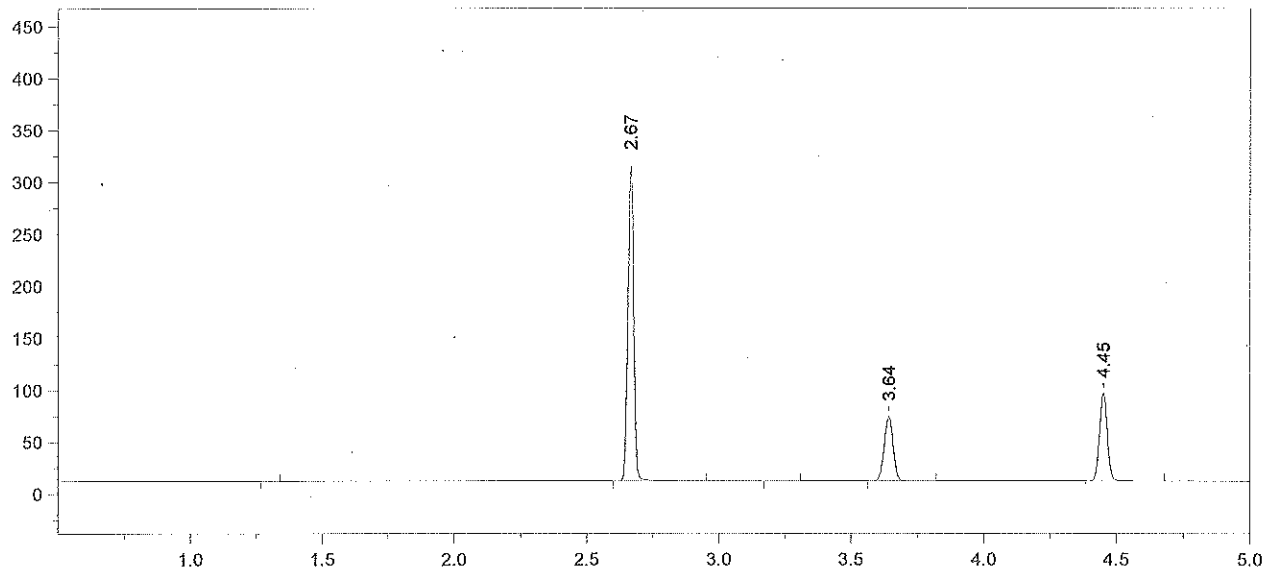
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	448371	0.5073	0.4141
4	3.64	t-Butanol	137109	0.9697	0.7915
5	4.46	n-Propanol	173859	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:09:11 AM
Bound File Name = VFL11082012.0038.RAW
Sample Name = TLC 0.4 3
Date Taken = 11/9/2012 12:24:31 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

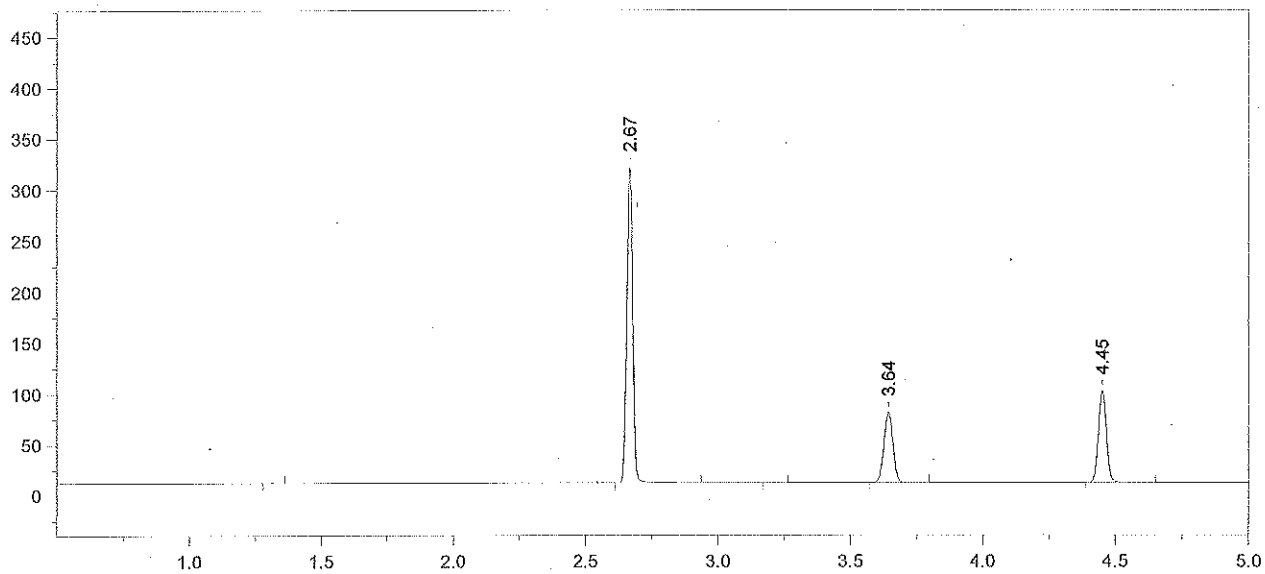
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	458477	0.4931	0.4025
4	3.64	t-Butanol	153735	1.0335	0.8435
5	4.45	n-Propanol	182904	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:09:20 AM
Bound File Name = VFL11082012.0039.RAW
Sample Name = TLC 0.4 4
Date Taken = 11/9/2012 12:38:21 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

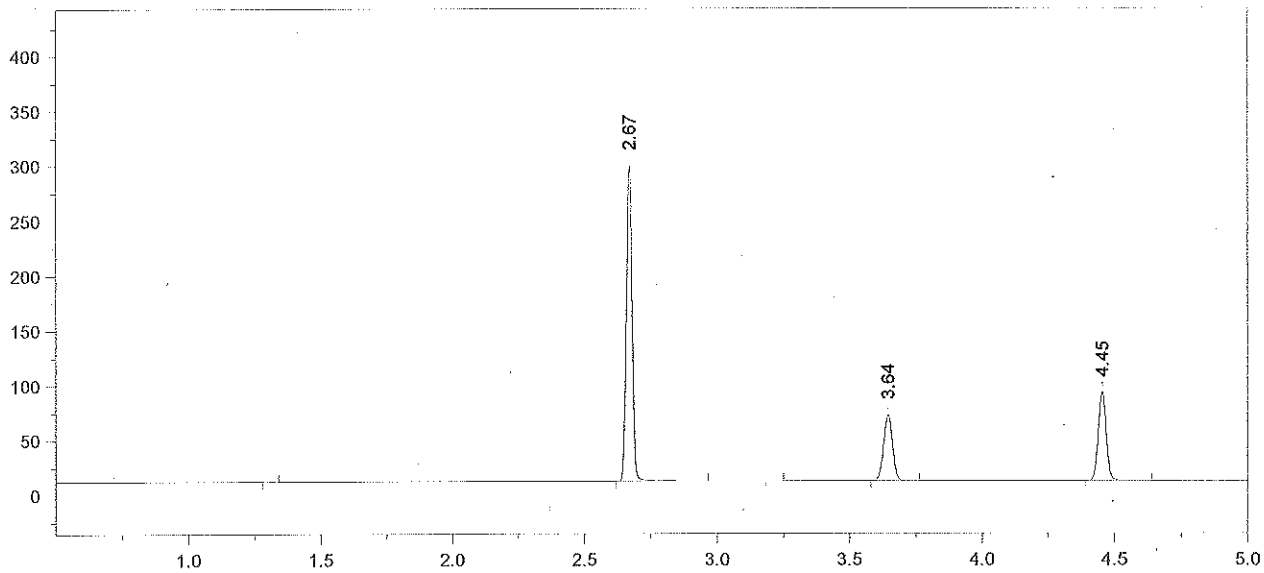
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	462035	0.5062	0.4132
4	3.64	t-Butanol	142455	0.9756	0.7963
5	4.45	n-Propanol	179542	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:09:29 AM
Bound File Name = VFL11082012.0040.RAW
Sample Name = TLC 0.4 5
Date Taken = 11/9/2012 12:56:00 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

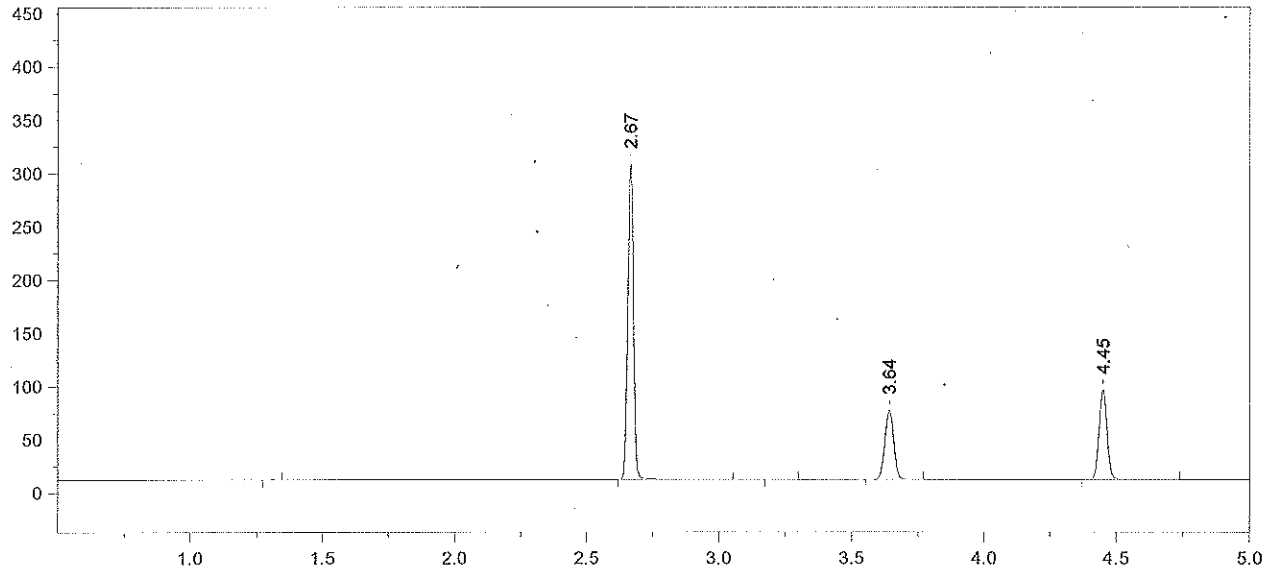
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	473179	0.4907	0.4005
4	3.64	t-Butanol	159722	1.0352	0.8450
5	4.45	n-Propanol	189706	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:09:37 AM
Bound File Name = VFL11082012.0041.RAW
Sample Name = TLC 0.4 6
Date Taken = 11/9/2012 1:09:48 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

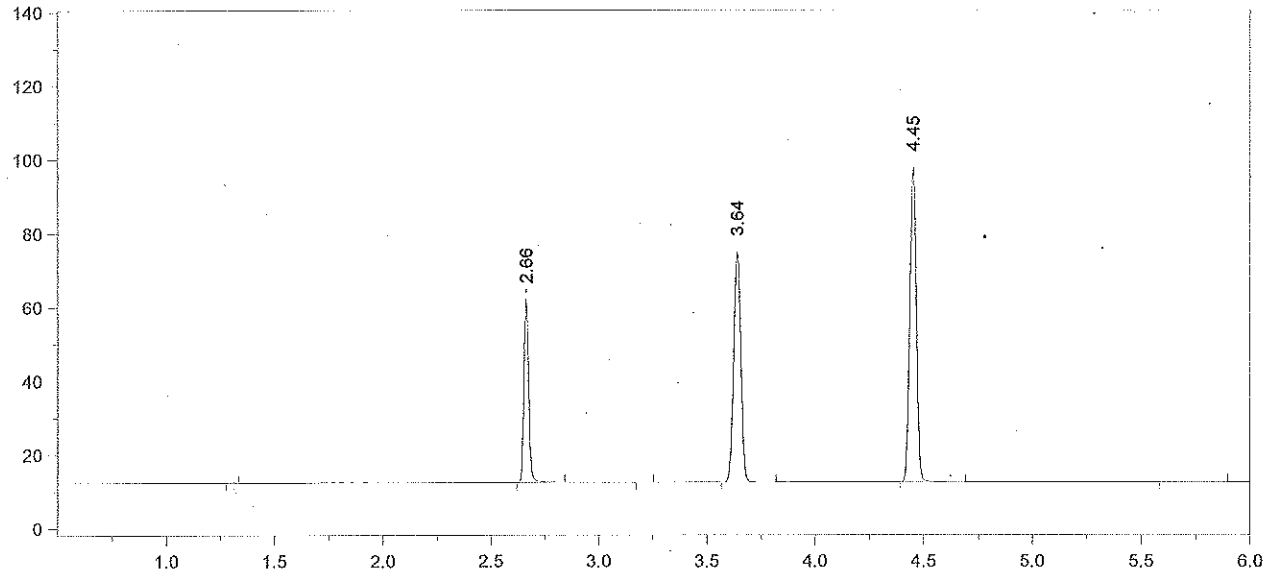
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	438783	0.5041	0.4115
4	3.64	t-Butanol	137953	0.9907	0.8086
5	4.45	n-Propanol	171213	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:09:46 AM
Bound File Name = VFL11082012.0042.RAW
Sample Name = TLC 0.4 7
Date Taken = 11/9/2012 1:27:27 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

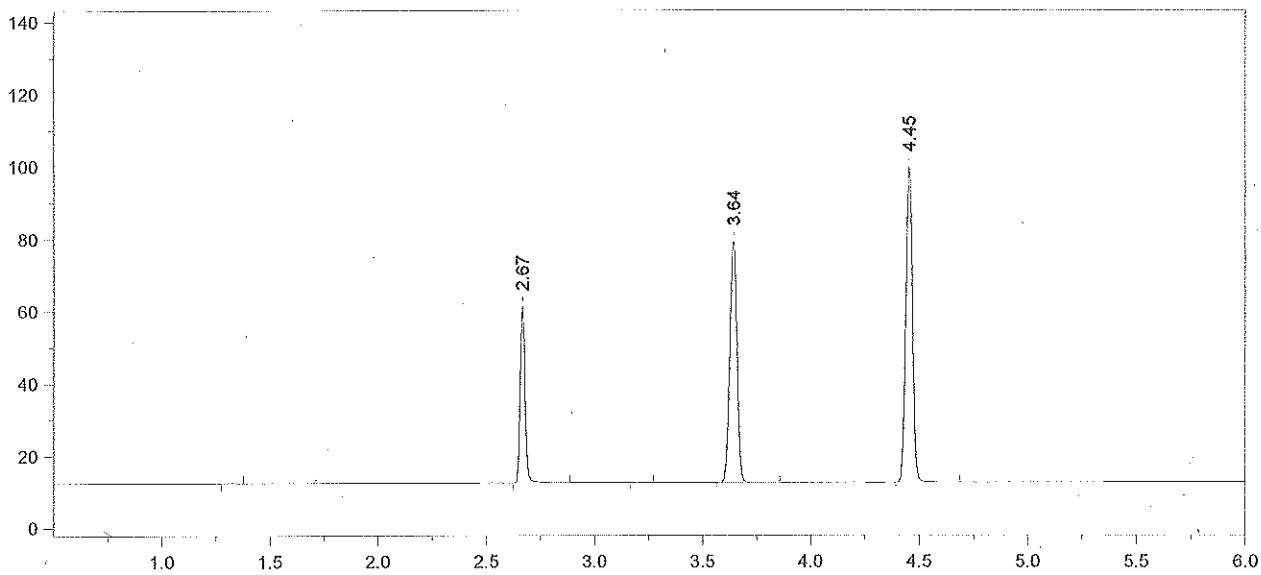
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	448878	0.4920	0.4016
4	3.64	t-Butanol	150023	1.0278	0.8389
5	4.45	n-Propanol	179475	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:09:55 AM
Bound File Name = VFL11082012.0043.RAW
Sample Name = CCS
Date Taken = 11/9/2012 1:41:05 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76757	0.0836
4	3.64	t-Butanol	144534	0.9837
5	4.45	n-Propanol	180671	1.0000

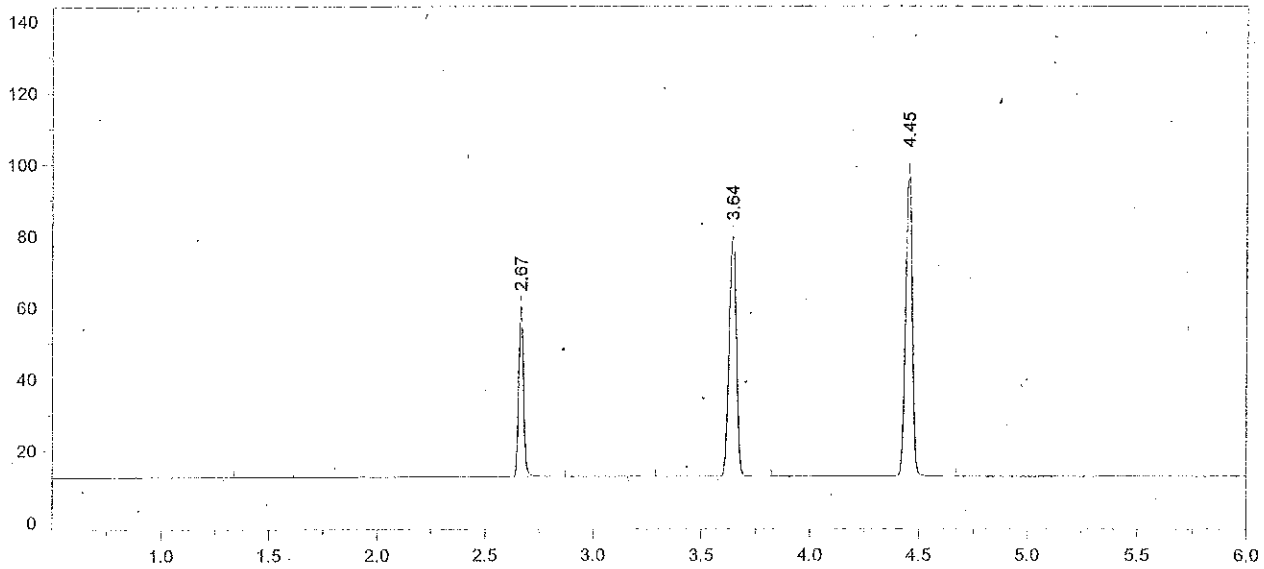


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:10:03 AM
Bound File Name = VFL11082012.0044.RAW
Sample Name = CCS
Date Taken = 11/9/2012 1:57:14 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	75438	0.0804
4	3.64	t-Butanol	154217	1.0280
5	4.45	n-Propanol	184467	1.0000

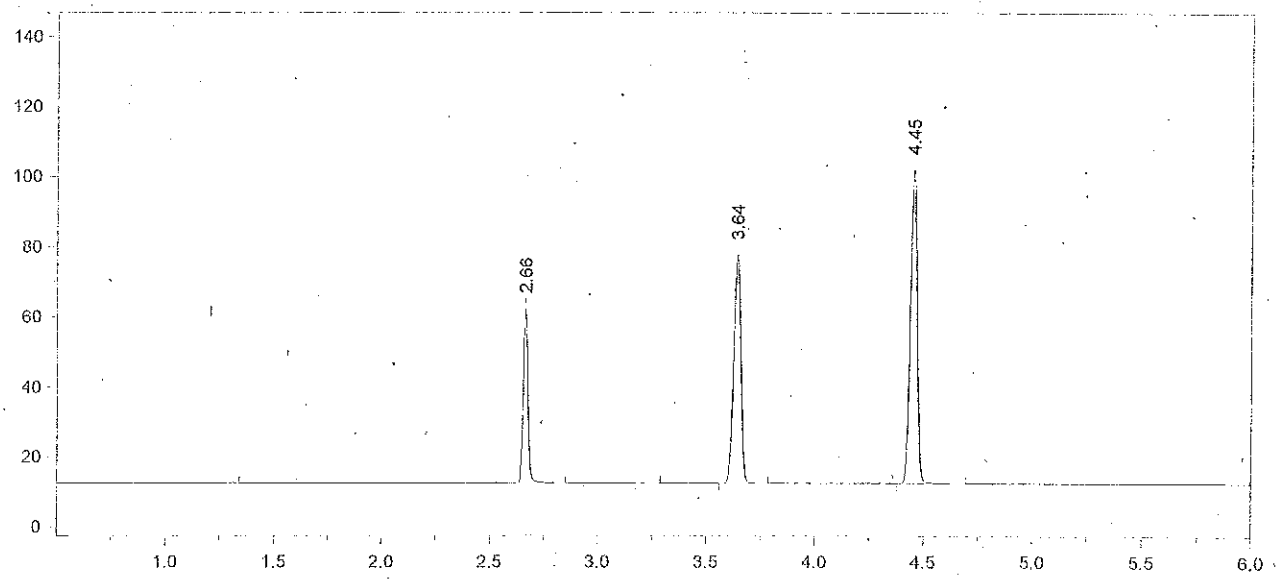
$\bar{X}$ = 0.082
11/13/12 ✓
A



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:45 AM
Bound File Name = VFL11082012.0063.RAW
Sample Name = CCS
Date Taken = 11/9/2012 12:44:04 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	73541	0.0782
4	3.64	t-Butanol	154445	1.0269
5	4.45	n-Propanol	184924	1.0000

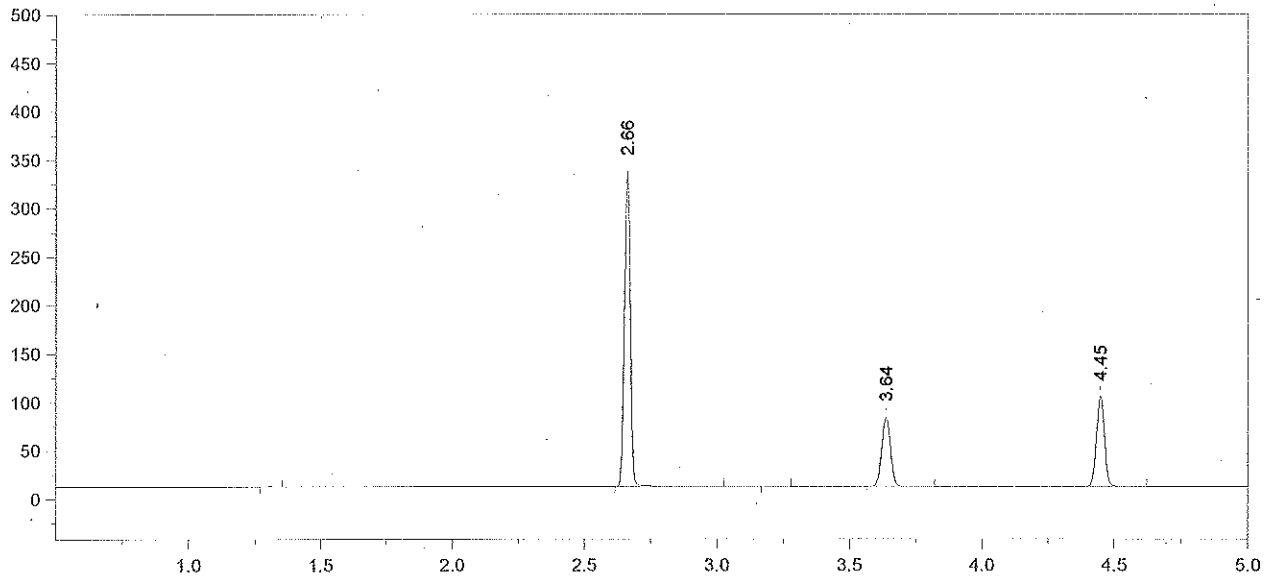


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:52 AM
Bound File Name = VFL11082012.0064.RAW
Sample Name = CCS
Date Taken = 11/9/2012 12:57:53 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77141	0.0798
4	3.64	t-Butanol	150124	0.9713
5	4.45	n-Propanol	190046	1.0000

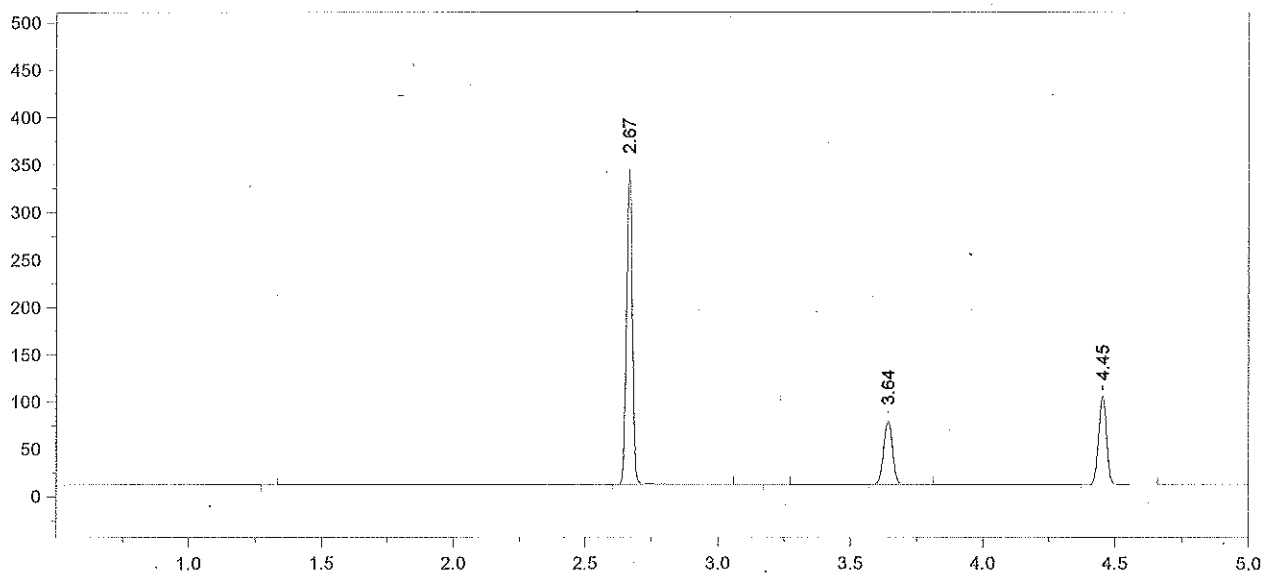
$\bar{X}$ = 0.079 ✓
11/13/12
A



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:12:59 AM
Bound File Name = VFL11082012.0065.RAW
Sample Name = 0.04 ALB
Date Taken = 11/9/2012 1:15:29 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

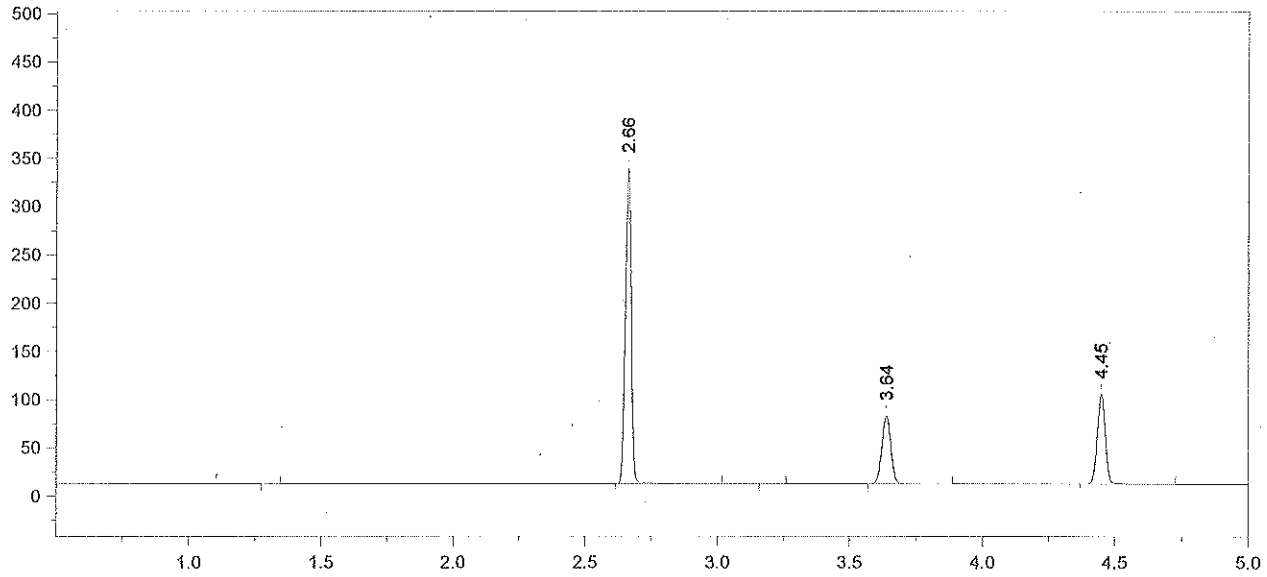
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	495302	0.4925	0.4020
4	3.64	t-Butanol	164315	1.0213	0.8336
5	4.45	n-Propanol	197826	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:13:06 AM
Bound File Name = VFL11082012.0066.RAW
Sample Name = 0.04 ALB
Date Taken = 11/9/2012 1:29:10 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

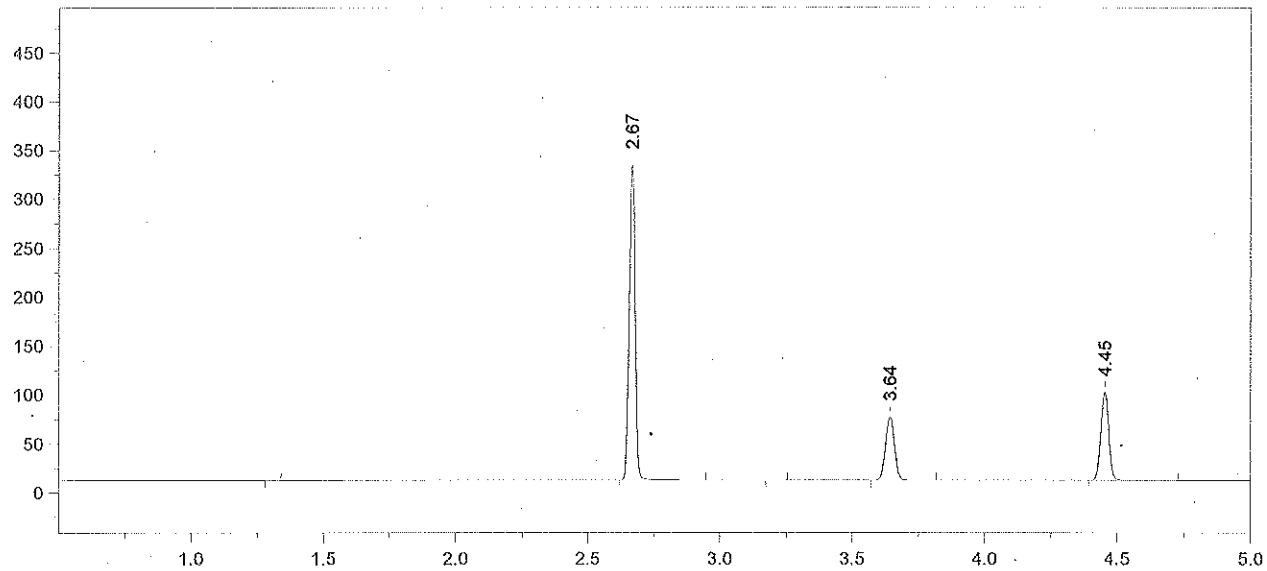
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	506623	0.5038	0.4112
4	3.64	t-Butanol	155783	0.9684	0.7904
5	4.45	n-Propanol	197810	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:13:14 AM
Bound File Name = VFL11082012.0067.RAW
Sample Name = 0.04 ALB
Date Taken = 11/9/2012 1:46:54 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

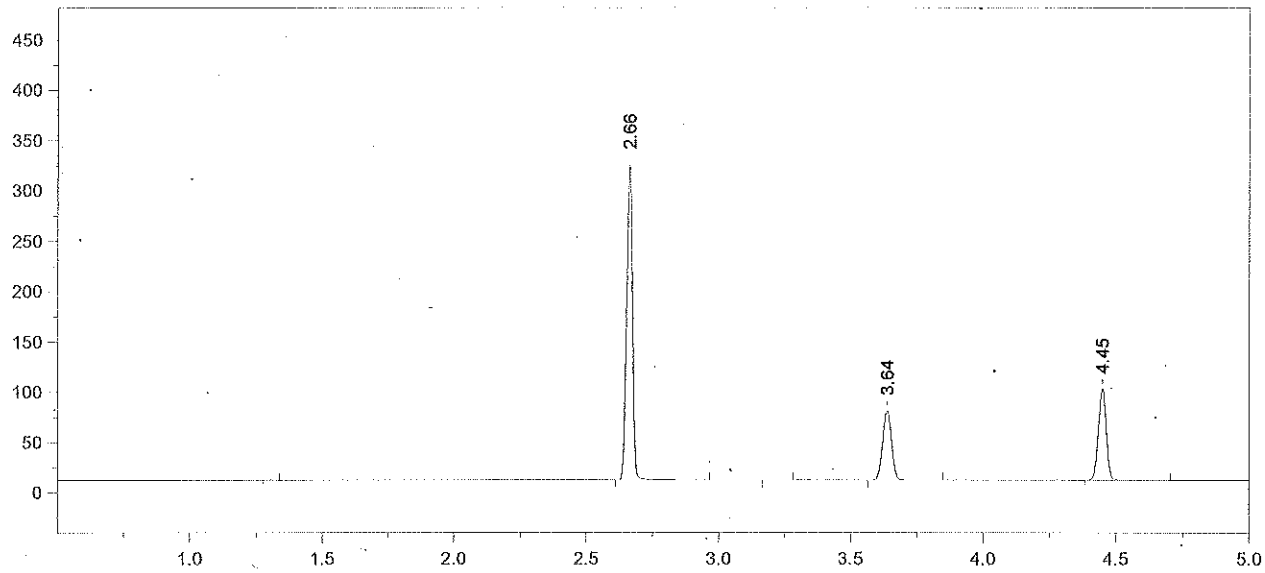
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	496228	0.4940	0.4032
4	3.64	t-Butanol	161911	1.0075	0.8223
5	4.45	n-Propanol	197605	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:13:21 AM
Bound File Name = VFL11082012.0068.RAW
Sample Name = 0.04 ALB
Date Taken = 11/9/2012 2:00:59 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

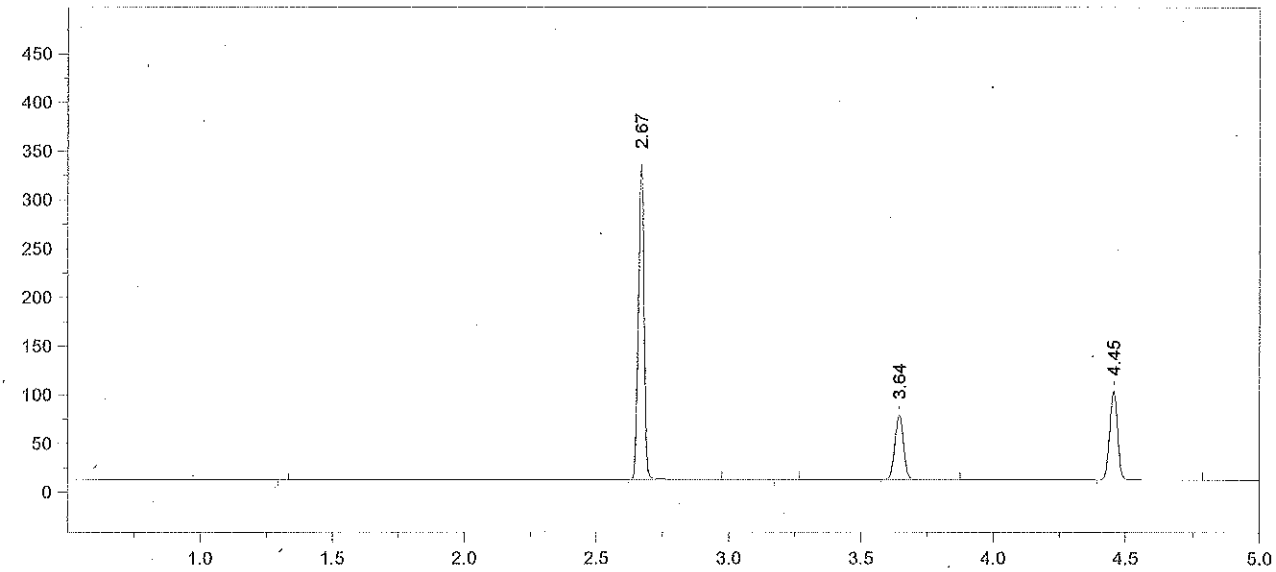
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	494116	0.5058	0.4128
4	3.64	t-Butanol	149621	0.9573	0.7814
5	4.45	n-Propanol	192178	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:13:28 AM
Bound File Name = VFL11082012.0069.RAW
Sample Name = 0.04 ALB
Date Taken = 11/9/2012 2:18:20 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

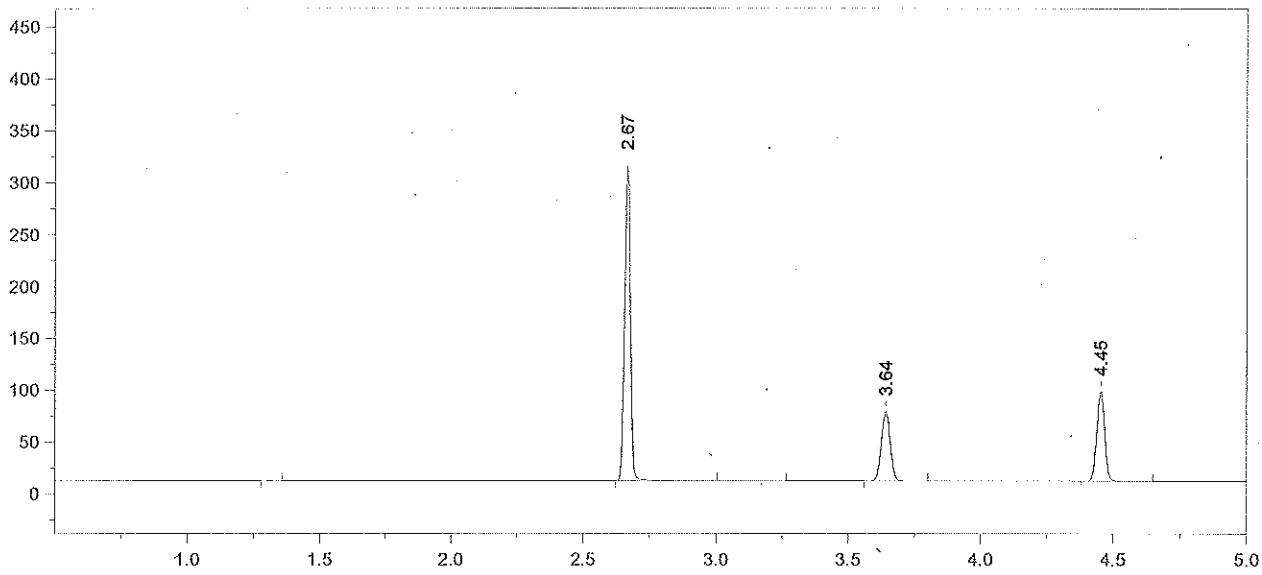
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	475443	0.4880	0.3983
4	3.64	t-Butanol	158434	1.0165	0.8297
5	4.45	n-Propanol	191646	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:13:36 AM
Bound File Name = VFL11082012.0070.RAW
Sample Name = 0.04 ALB
Date Taken = 11/9/2012 2:32:01 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

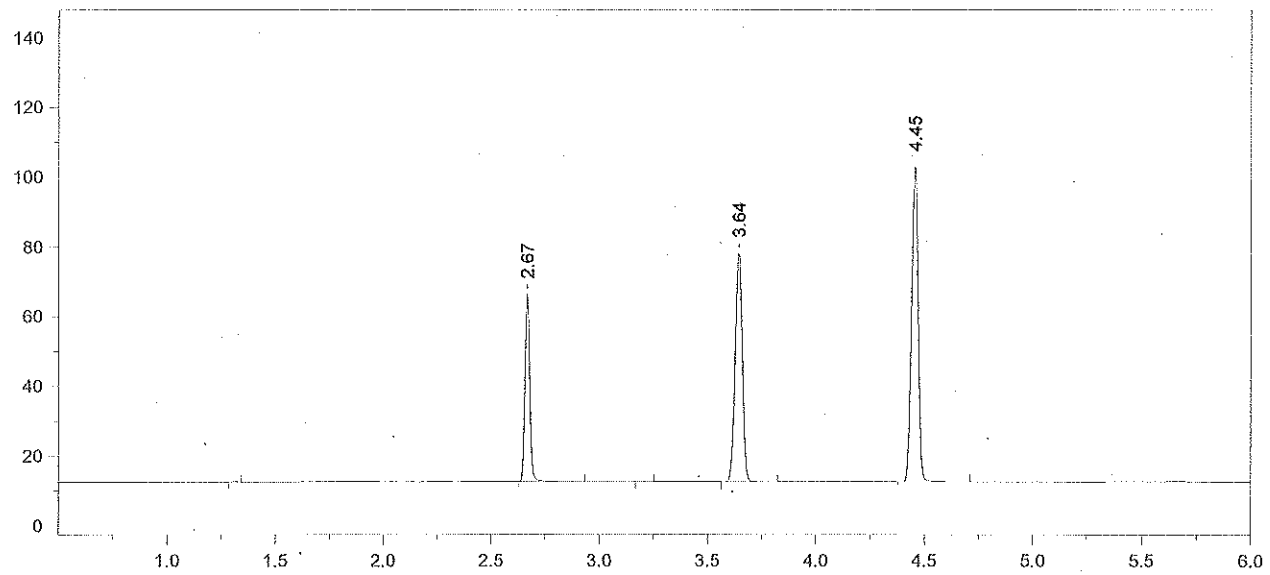
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	495140	0.5023	0.4100
4	3.64	t-Butanol	153429	0.9729	0.7941
5	4.45	n-Propanol	193902	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 11:13:43 AM
Bound File Name = VFL11082012.0071.RAW
Sample Name = 0.04 ALB
Date Taken = 11/9/2012 2:49:45 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL Calibration Version = 1

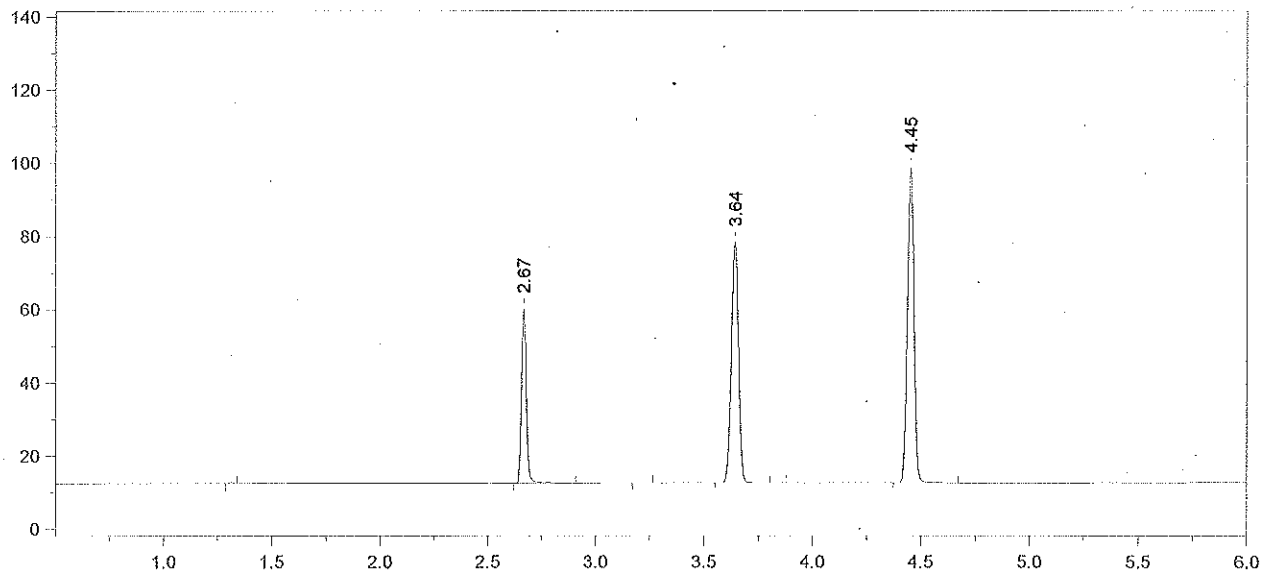
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	460953	0.4959	0.4048
4	3.64	t-Butanol	153159	1.0300	0.8407
5	4.45	n-Propanol	182845	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:13:50 AM
Bound File Name = VFL11082012.0072.RAW
Sample Name = CCS
Date Taken = 11/9/2012 3:03:25 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	83264	0.0853
4	3.64	t-Butanol	151365	0.9690
5	4.45	n-Propanol	192063	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:13:57 AM
Bound File Name = VFL11082012.0073.RAW
Sample Name = CCS
Date Taken = 11/9/2012 3:21:11 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	74090	0.0803
4	3.64	t-Butanol	151894	1.0285
5	4.45	n-Propanol	181593	1.0000

$\bar{X}$ = 0.083 ✓
11/13/12