VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster External Standard Solution

On 4/3/2013, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 13-03-100 and an expiration date of 4/3/2014.

On 4/4/2013 and 4/5/2013, the solution was analyzed against calibration SIM04042013 and SIM04052013. 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 0.098 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Waterbury, Vermont on Tuesday, April 09, 2013.

Rebecca Mead

Rebecca Mead

0.1 External Standard Solution 20L
Lot # 13-03-100
Prepared 04/03/2013 by RLM
Exp 04/03/2014

RLM CAL SIM04042013
RLM/ALB Vials
Analyzed on 04/04/2013

0.0964 rlm
0.0993
0.0966
0.0984
0.0964
0.0986
0.0958
0.0993 alb
0.0984
0.1009
0.0990
0.1015
0.0992
0.1006

Ave. = 0.0986
Std Dev. = 0.0018
Range = 0.0958-0.1015

RLM CAL SIM04052013
RLM/ALB Vials
Analyzed on 04/05/2013

0.0960 rlm
0.0971
0.0958
0.0972
0.0956
0.0981
0.0952
0.0973 alb
0.0971
0.0993
0.0980
0.0983
0.0979
0.0998

Ave. = 0.0973
Std Dev. = 0.0014
Range = 0.0952-0.0998

Total Values from Both Runs

Average	Mean
0.0964	0.0952
0.0993	0.0956
0.0966	0.0958
0.0984	
0.0964	0.0960
0.0986	0.0964
0.0958	
0.0993	0.0966
0.0984	0.0971
0.1009	
0.0990	0.0972
0.1015	0.0973
0.0992	0.0979
0.1006	0.0980
0.0960	0.0981
0.0971	0.0983
0.0958	0.0984
0.0972	
0.0956	0.0986
0.0981	0.0990
0.0952	0.0992
0.0973	0.0993
0.0971	
0.0993	
0.0980	0.0998
0.0983	0.1006
0.0979	0.1009
0.0998	0.1015

Ave. = 0.0980
Avg Std Dev. = 0.0017
Mean = 0.0980
Mean Std Dev. = 0.0017
Range = 0.0952-0.1015
RPD = 6.43%

4/9/2013

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM Date: 4/4/13

Calibration Standards:

Lot ID: ES-01182013 Preparation Date: 01/18/2013 Expiration Date: 4/18/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check (c)
% Ethanol (w/v)	0.005	0.022	0.085	0.205	0.409	0.085
Acceptance Range (± 10%)	0.006	0.024	0.094	0.225	0.450	0.094
	0.004	0.020	0.077	0.184	0.368	0.077

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	2.02		
		Ethanol	2.66		
		Acetone	3.06		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3	Standard A		0.005	(Y) N	
4	Standard B		0.021	(Y) N	
5	Standard C		0.085	(Y) N	
6	Standard D		0.200	(Y) N	
7	Standard E		0.412	(Y) N	
8	Aqueous QC		0.0791	(Y) N	Avg = 0.079 (99% recovery) ✓
9	Aqueous QC		0.0794	(Y) N	

4/9/2013

File Name: C:\Methods\SIM04042013.CAL
Version: 7

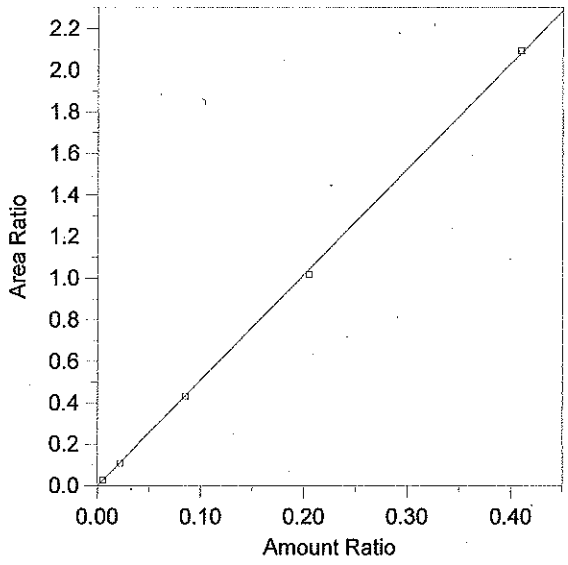
Creator:
Description:
Reason for change:

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 = 5.083712 X + 0

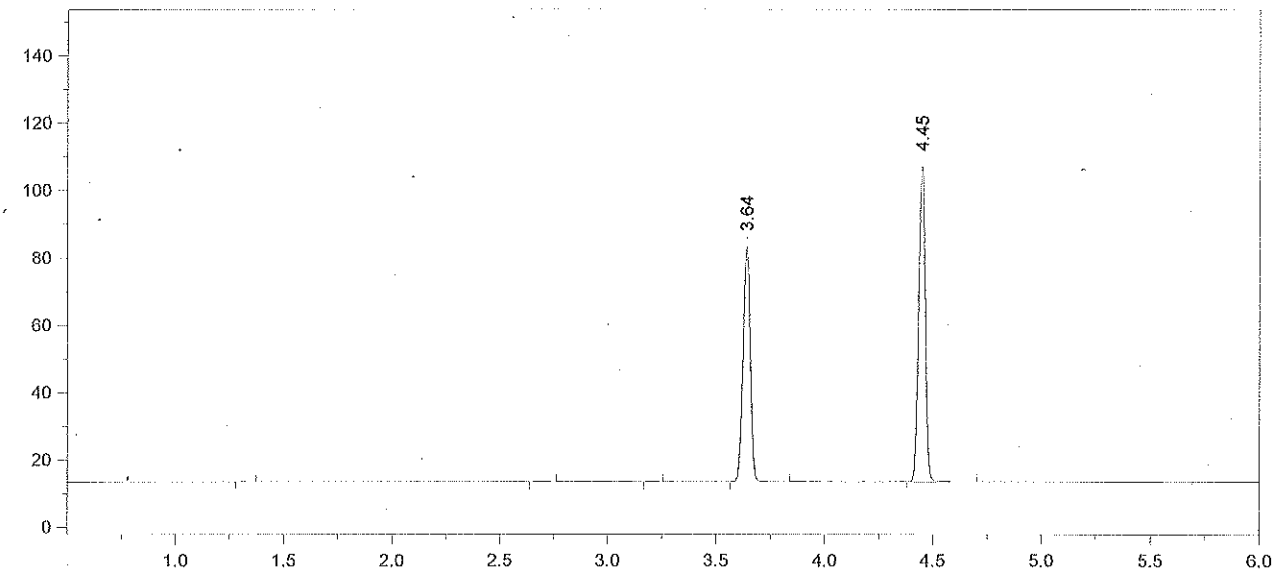
Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9997434
Average error:	1.850%
Average CF:	5.001985
RSD:	1.621%

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	0.0055	5392.084	980378.9	-2.659	0.0055	2.721701E-02	C:\Alcohol Data\SIM04042013\SIM04042013.0003.BND	4/4/2013 10:57:05 AM
3	0.022	20401.55	927343.3	-3.185	0.022	0.1082793	C:\Alcohol Data\SIM04042013\SIM04042013.0004.BND	4/4/2013 11:14:47 AM
4	0.0853	89290.7	1046784	-0.507	0.0853	0.4314432	C:\Alcohol Data\SIM04042013\SIM04042013.0005.BND	4/4/2013 11:28:59 AM
5	0.2049	191608.6	935132.3	-2.293	0.2049	1.017765	C:\Alcohol Data\SIM04042013\SIM04042013.0006.BND	4/4/2013 11:46:14 AM
6	0.4095	393931.4	961981.4	0.606	0.4095	2.094392	C:\Alcohol Data\SIM04042013\SIM04042013.0007.BND	4/4/2013 11:59:56 AM

File Name = C:\Alcohol Data\SIM04042013\SIM04042013.SEQ
Version = 1
File Date = 4/4/2013 9:46:06 AM

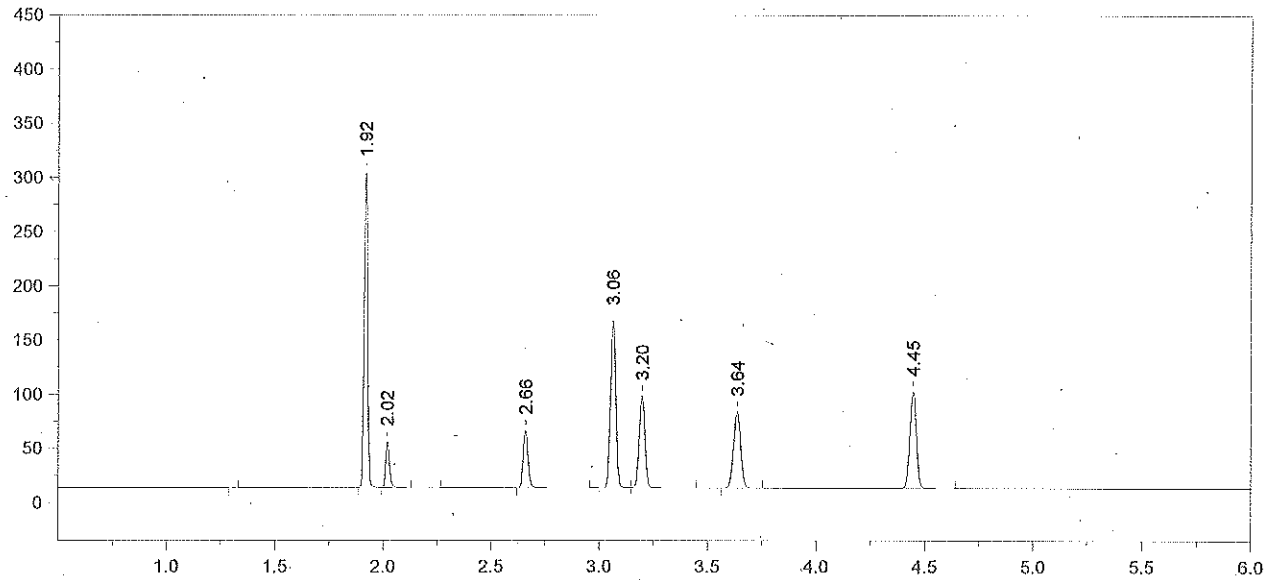
Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM04042013.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	SIM04042013.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	SIM04042013.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	SIM04042013.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	SIM04042013.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	SIM04042013.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	SIM04042013.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	SIM04042013.0008.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
9	SIM04042013.0009.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
10	SIM04042013.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	SIM04042013.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	SIM04042013.0012.raw	simsoln.met	RLM 0.1	1.00	1.00
13	SIM04042013.0013.raw	simsoln.met	RLM 0.1	1.00	1.00
14	SIM04042013.0014.raw	simsoln.met	RLM 0.1	1.00	1.00
15	SIM04042013.0015.raw	simsoln.met	RLM 0.1	1.00	1.00
16	SIM04042013.0016.raw	simsoln.met	RLM 0.1	1.00	1.00
17	SIM04042013.0017.raw	simsoln.met	RLM 0.1	1.00	1.00
18	SIM04042013.0018.raw	simsoln.met	RLM 0.1	1.00	1.00
19	SIM04042013.0019.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
20	SIM04042013.0020.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
21	SIM04042013.0021.raw	simsoln.met	ALB 0.1	1.00	1.00
22	SIM04042013.0022.raw	simsoln.met	ALB 0.1	1.00	1.00
23	SIM04042013.0023.raw	simsoln.met	ALB 0.1	1.00	1.00
24	SIM04042013.0024.raw	simsoln.met	ALB 0.1	1.00	1.00
25	SIM04042013.0025.raw	simsoln.met	ALB 0.1	1.00	1.00
26	SIM04042013.0026.raw	simsoln.met	ALB 0.1	1.00	1.00
27	SIM04042013.0027.raw	simsoln.met	ALB 0.1	1.00	1.00
28	SIM04042013.0028.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
29	SIM04042013.0029.raw	Blood Alc New VFL.MET	CCS	1.00	1.00



Format File Name = AlcoholVFL.FMT

Today's Date = 4/5/2013
Today's Time = 7:54:45 AM
Bound File Name = SIM04042013.0001.RAW
Sample Name = Blank
Date Taken = 4/4/2013 10:25:45 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

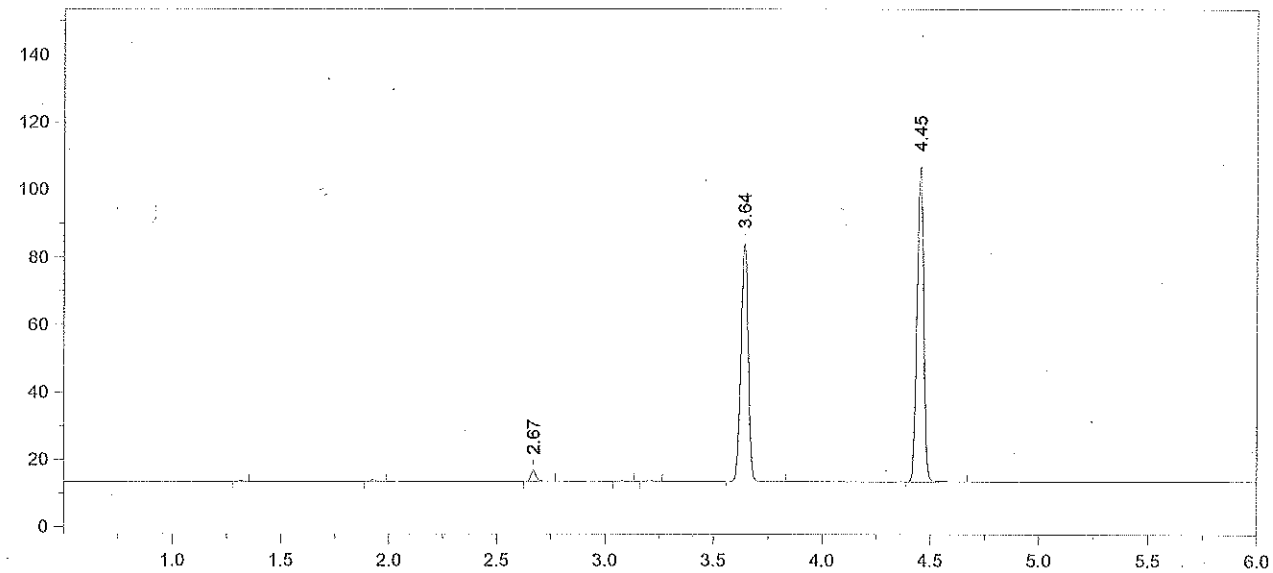
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	161269	0.9590
5	4.45	n-Propanol	198789	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/5/2013
Today's Time = 7:54:53 AM
Bound File Name = SIM04042013.0002.RAW
Sample Name = TMX
Date Taken = 4/4/2013 10:43:16 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

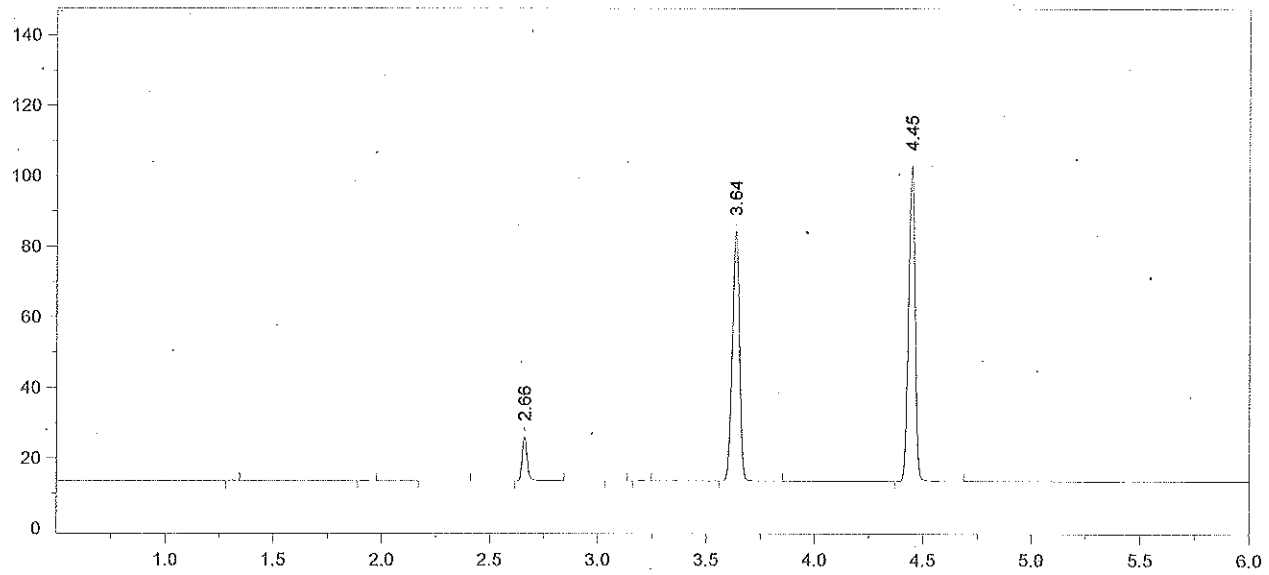
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	334451	0.0720
3	2.02	Methanol	51809	0.1210
4	2.66	Ethanol	81928	0.0860
5	3.06	Acetone	260951	0.0690
6	3.20	Isopropanol	158308	0.0830
7	3.64	t-Butanol	161635	1.0193
8	4.45	n-Propanol	187459	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/5/2013
Today's Time = 7:55:00 AM
Bound File Name = SIM04042013.0003.RAW
Sample Name = STD A
Date Taken = 4/4/2013 10:56:54 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

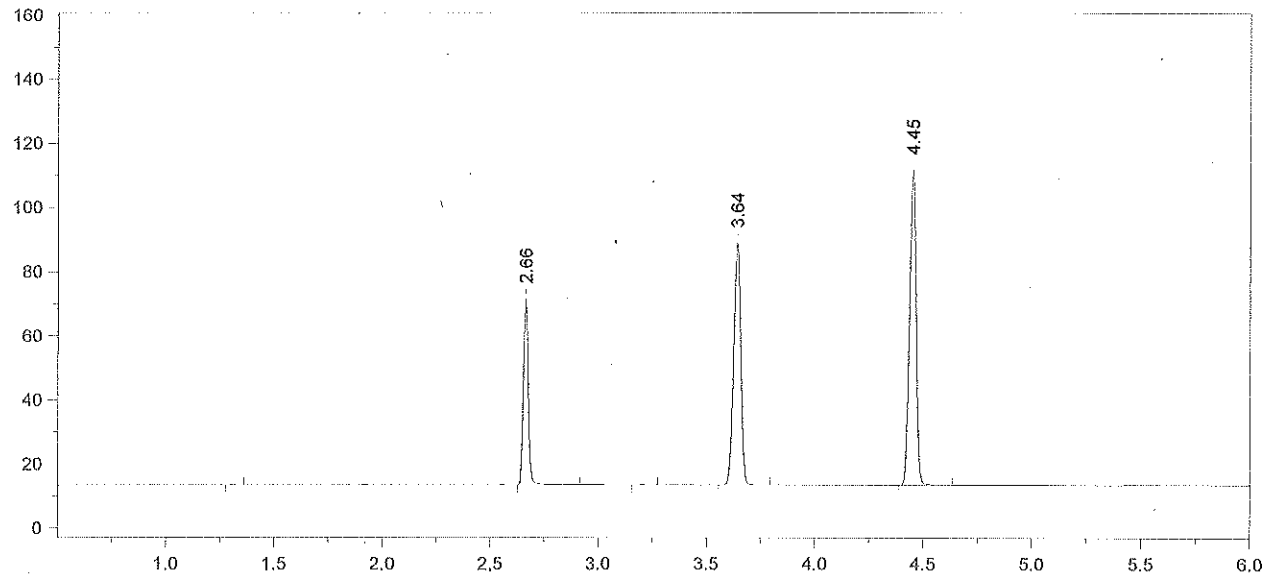
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	05392	0.0054
6	3.64	t-Butanol	163052	0.9729
7	4.45	n-Propanol	198115	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/5/2013 Today's Time = 7:55:07 AM
Bound File Name = SIM04042013.0004.RAW
Sample Name = STD B
Date Taken = 4/4/2013 11:14:41 AM VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL Calibration Version = 7

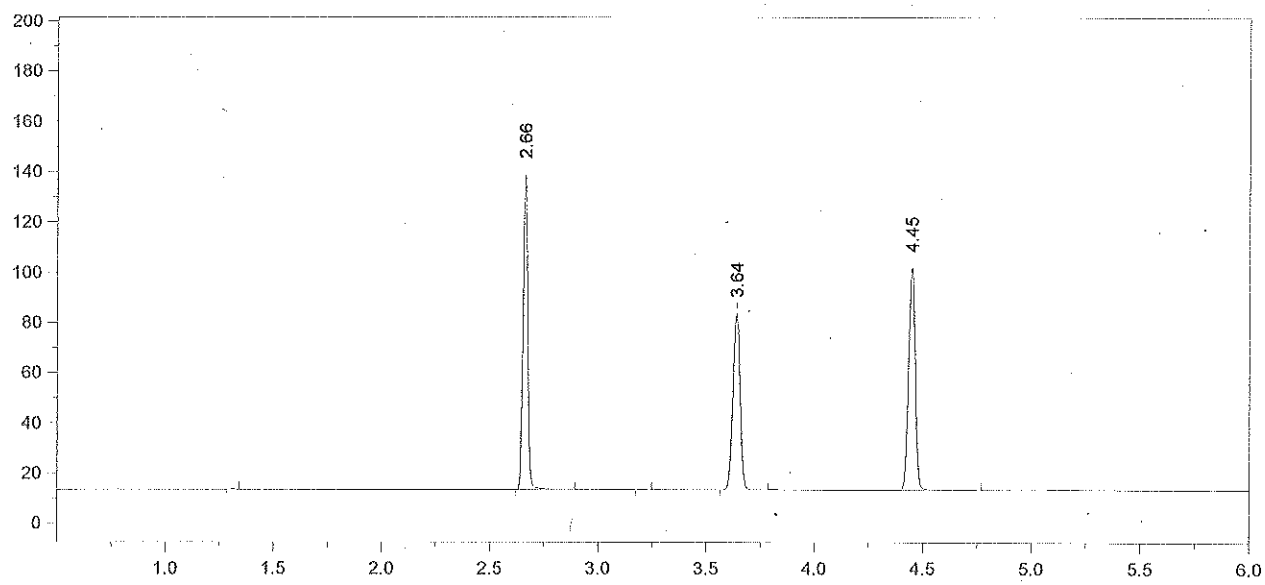
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	2.66	Ethanol	20402	0.0213
7	3.64	t-Butanol	163718	1.0272
8	4.45	n-Propanol	188416	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/5/2013
Today's Time = 7:55:14 AM
Bound File Name = SIM04042013.0005.RAW
Sample Name = STD C
Date Taken = 4/4/2013 11:28:54 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

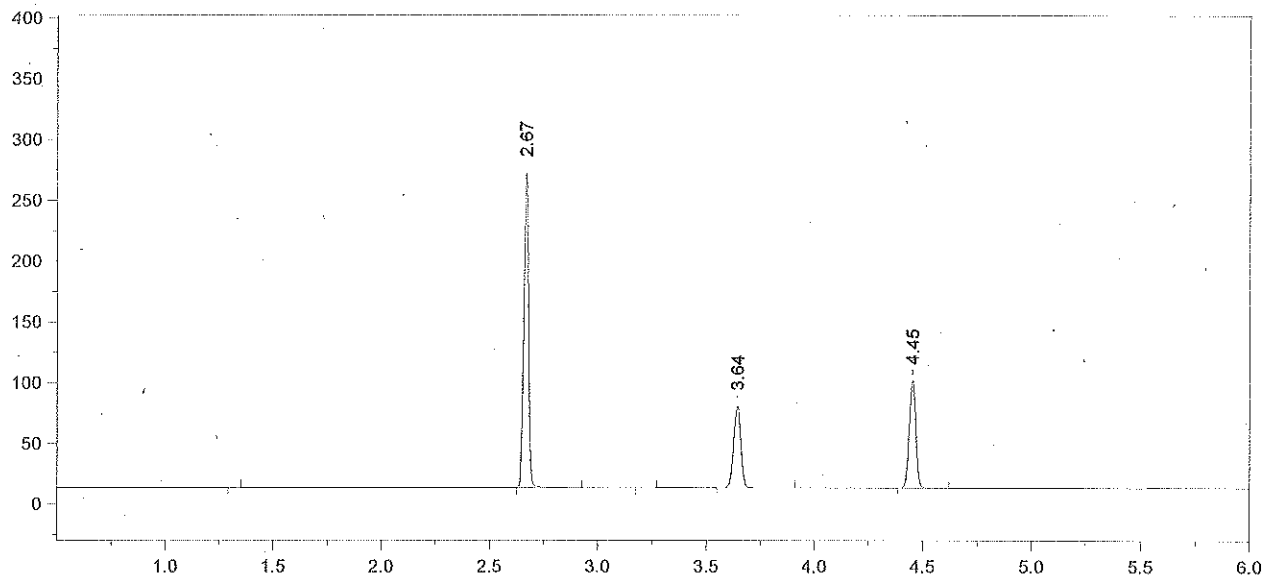
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	89291	0.0849
4	3.64	t-Butanol	172739	0.9867
5	4.45	n-Propanol	206958	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/5/2013
Today's Time = 7:55:22 AM
Bound File Name = SIM04042013.0006.RAW
Sample Name = STD D
Date Taken = 4/4/2013 11:46:08 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

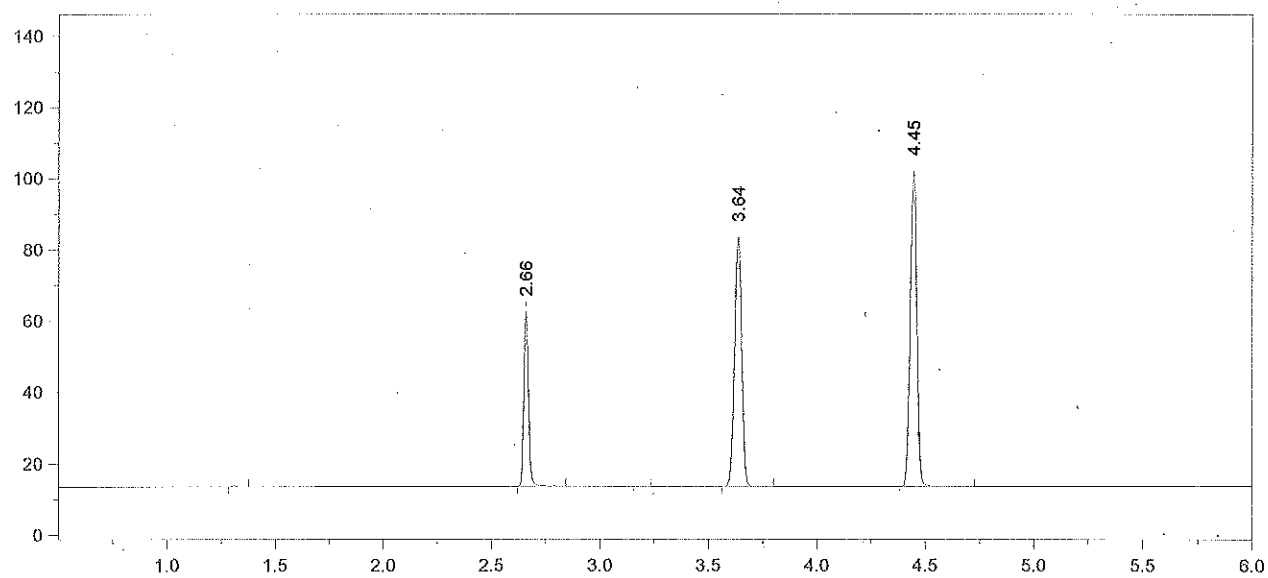
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	191609	0.2002
4	3.64	t-Butanol	162182	1.0184
5	4.45	n-Propanol	188264	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/5/2013
Today's Time = 7:55:29 AM
Bound File Name = SIM04042013.0007.RAW
Sample Name = STD E
Date Taken = 4/4/2013 11:59:45 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

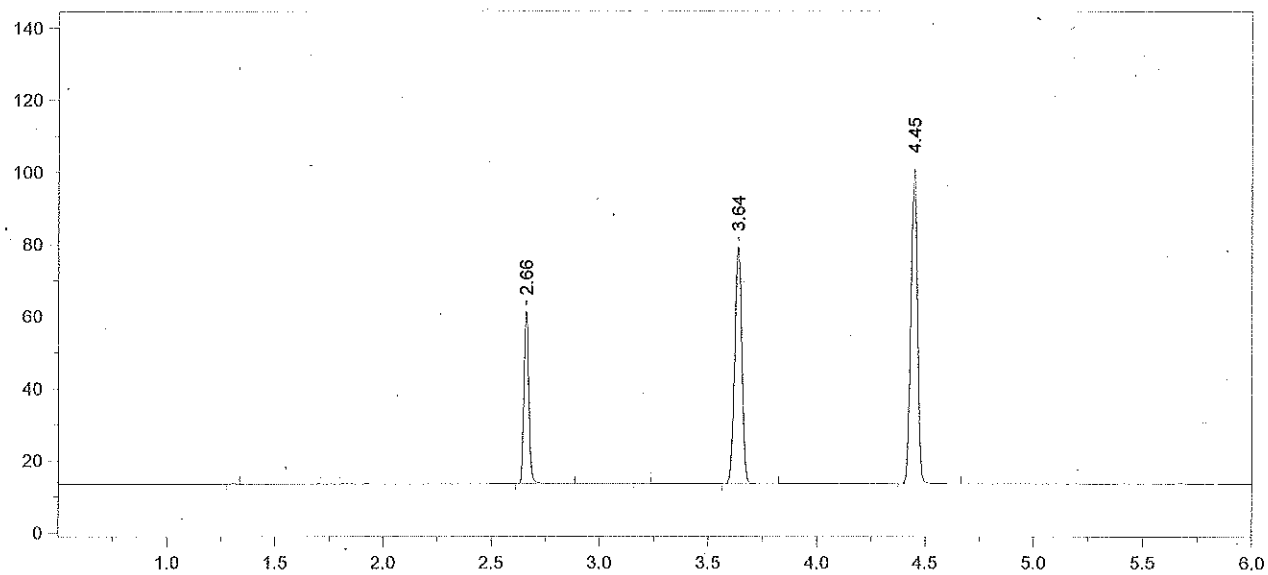
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	393931	0.4120
4	3.64	t-Butanol	155198	0.9754
5	4.45	n-Propanol	188089	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 12:17:43 PM
Bound File Name = SIM04042013.0008.RAW
Sample Name = AQ QC
Date Taken = 4/4/2013 12:17:32 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75098	0.0791
4	3.64	t-Butanol	161004	1.0194
5	4.45	n-Propanol	186720	1.0000

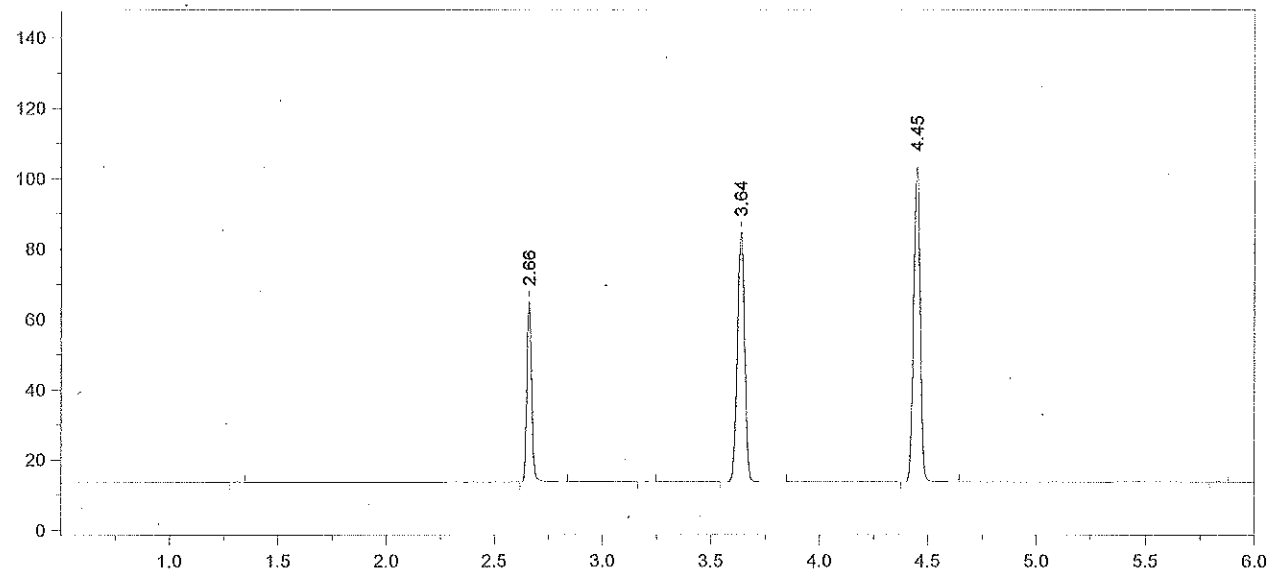


Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 12:31:13 PM
Bound File Name = SIM04042013.0009.RAW
Sample Name = AQ QC
Date Taken = 4/4/2013 12:31:08 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	74453	0.0794
4	3.64	t-Butanol	151831	0.9733
5	4.45	n-Propanol	184412	1.0000

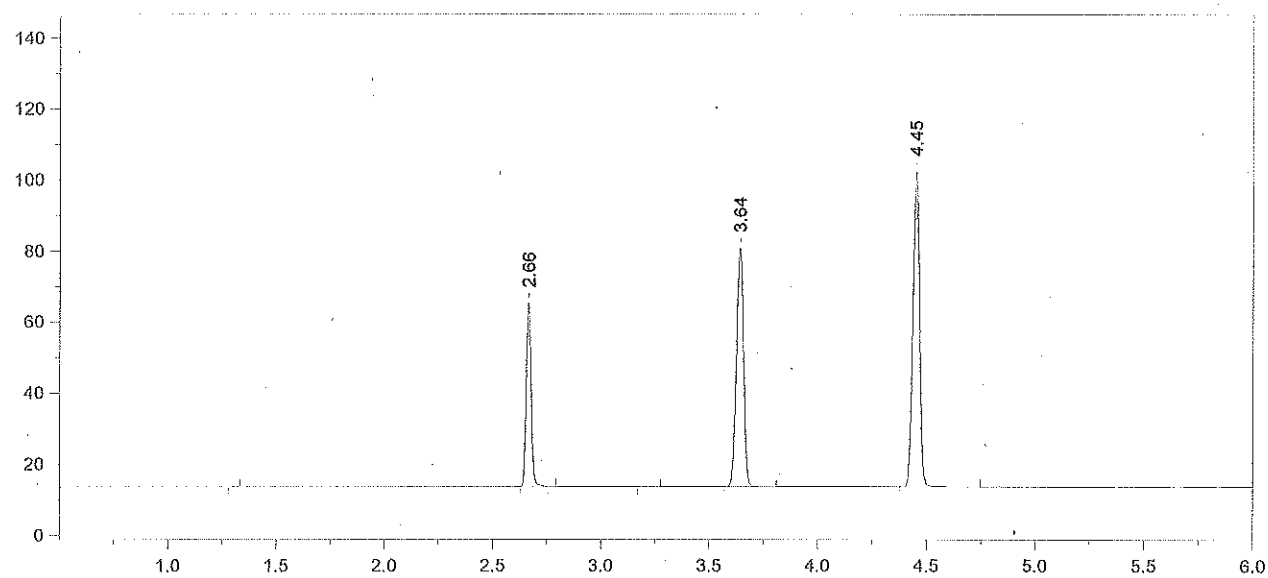
Avg #8 + #9 = 0.079
RZM 4/5/13



Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 12:49:02 PM
Bound File Name = SIM04042013.0010.RAW
Sample Name = CCS
Date Taken = 4/4/2013 12:48:56 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	79330	0.0822
4	3.64	t-Butanol	164885	1.0267
5	4.45	n-Propanol	189844	1.0000

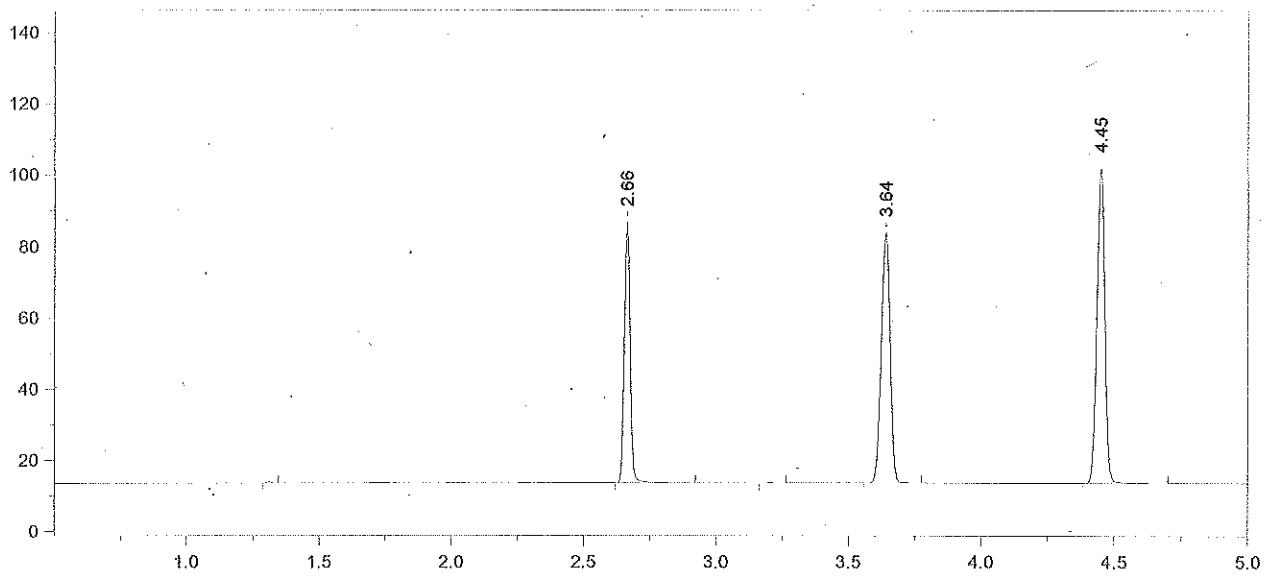


Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 1:02:50 PM
Bound File Name = SIM04042013.0011.RAW
Sample Name = CCS
Date Taken = 4/4/2013 1:02:44 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	79624	0.0832
4	3.64	t-Butanol	155190	0.9746
5	4.45	n-Propanol	188243	1.0000

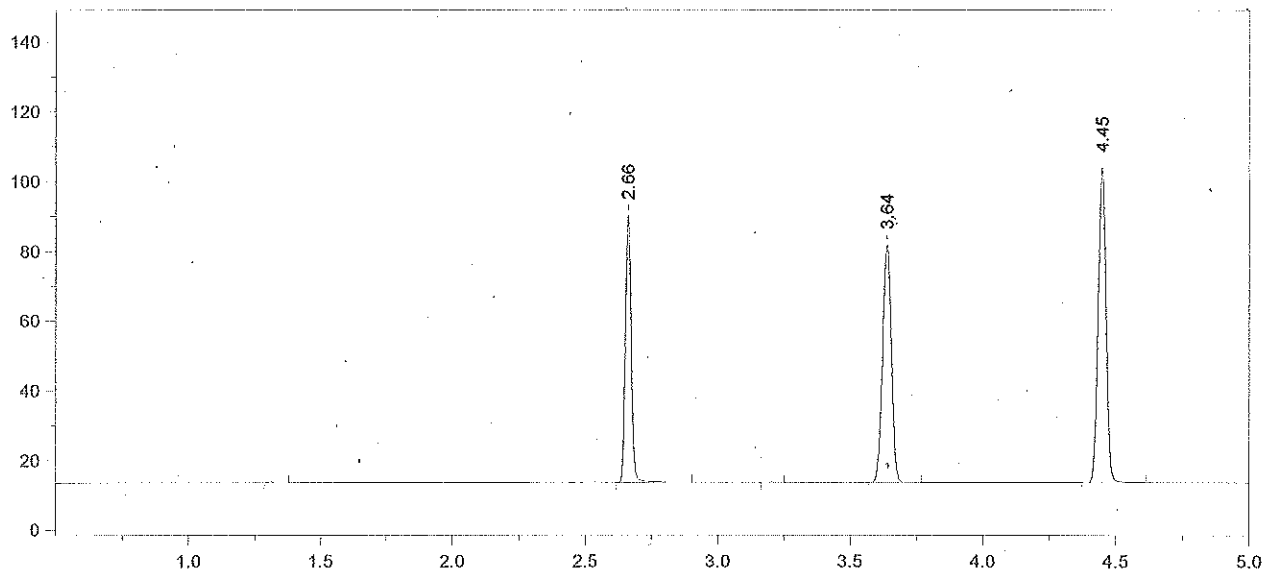
Avg #10 + #11 = 0.083
RJM 4/5/13



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013 Today's Time = 1:20:32 PM
Bound File Name = SIM04042013.0012.RAW
Sample Name = RLM 0.1
Date Taken = 4/4/2013 1:20:23 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL Calibration Version = 7

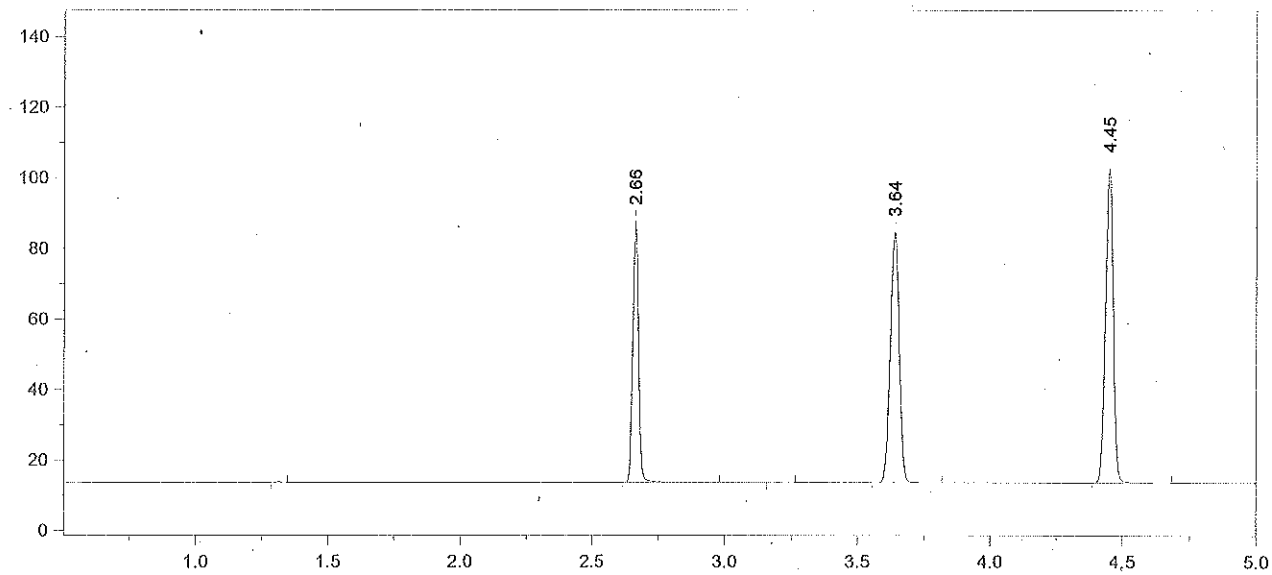
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112220	0.1181	0.0964
4	3.64	t-Butanol	161493	1.0215	0.8337
5	4.45	n-Propanol	186894	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013 Today's Time = 1:34:14 PM
Bound File Name = SIM04042013.0013.RAW
Sample Name = RLM 0.1
Date Taken = 4/4/2013 1:34:03 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL Calibration Version = 7

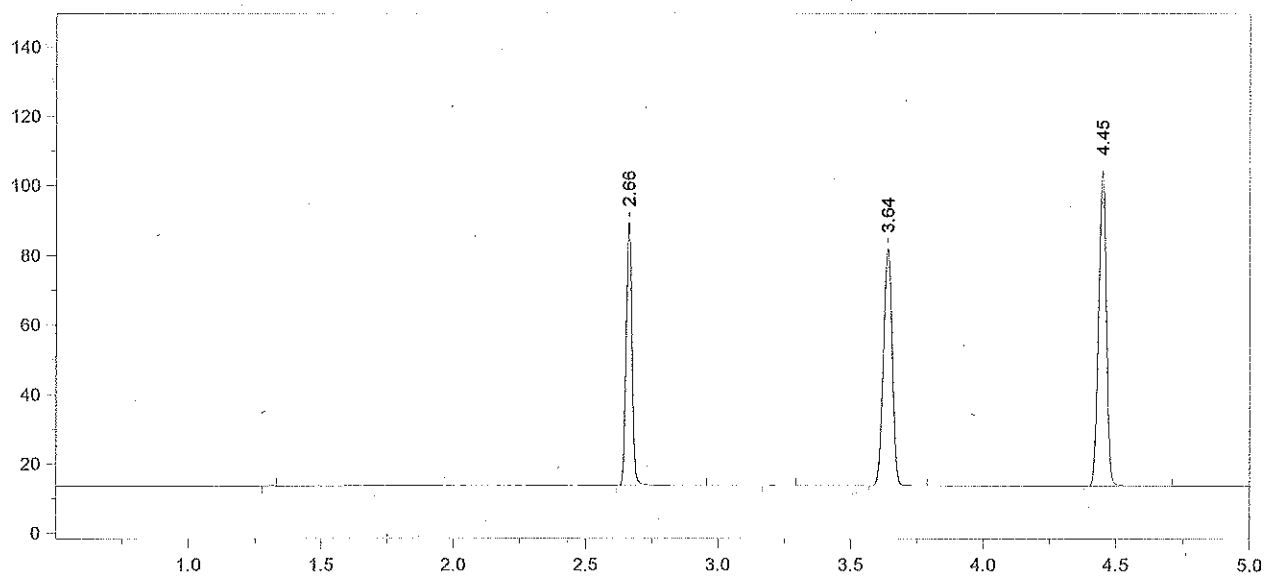
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118240	0.1217	0.0993
4	3.64	t-Butanol	157387	0.9734	0.7945
5	4.45	n-Propanol	191134	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 1:51:58 PM
Bound File Name = SIM04042013.0014.RAW
Sample Name = RLM 0.1
Date Taken = 4/4/2013 1:51:50 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

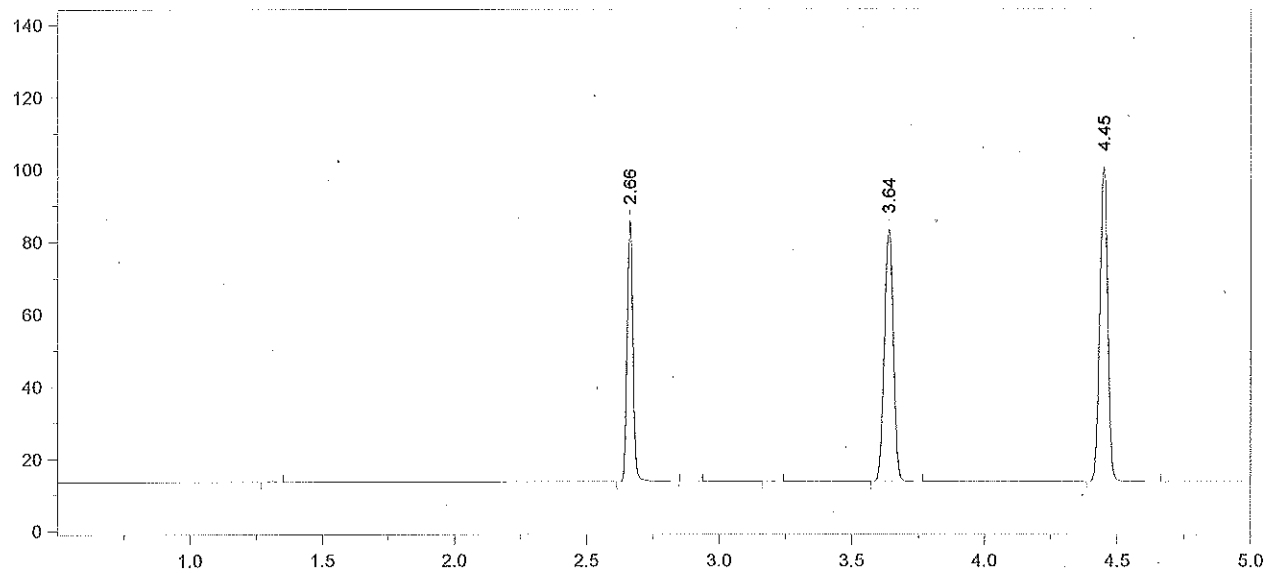
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	113836	0.1184	0.0966
4	3.64	t-Butanol	162954	1.0186	0.8313
5	4.45	n-Propanol	189129	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013 Today's Time = 2:05:40 PM
Bound File Name = SIM04042013.0015.RAW
Sample Name = RLM 0.1
Date Taken = 4/4/2013 2:05:30 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL Calibration Version = 7

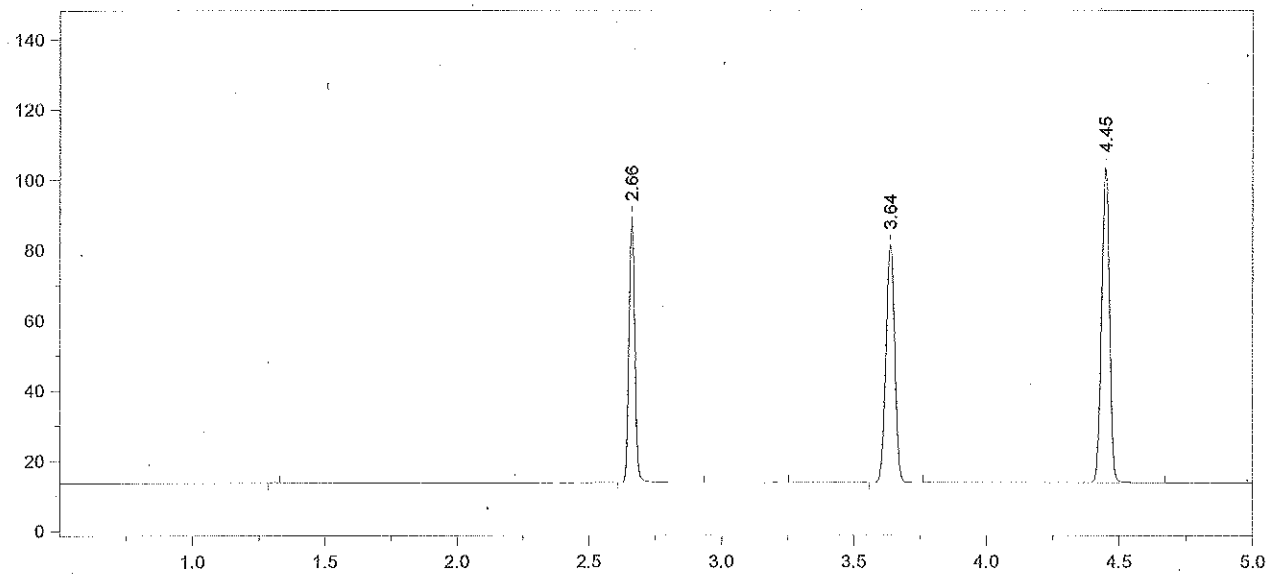
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117401	0.1206	0.0984
4	3.64	t-Butanol	157547	0.9727	0.7939
5	4.45	n-Propanol	191470	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 2:23:20 PM
Bound File Name = SIM04042013.0016.RAW
Sample Name = RLM 0.1
Date Taken = 4/4/2013 2:23:14 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

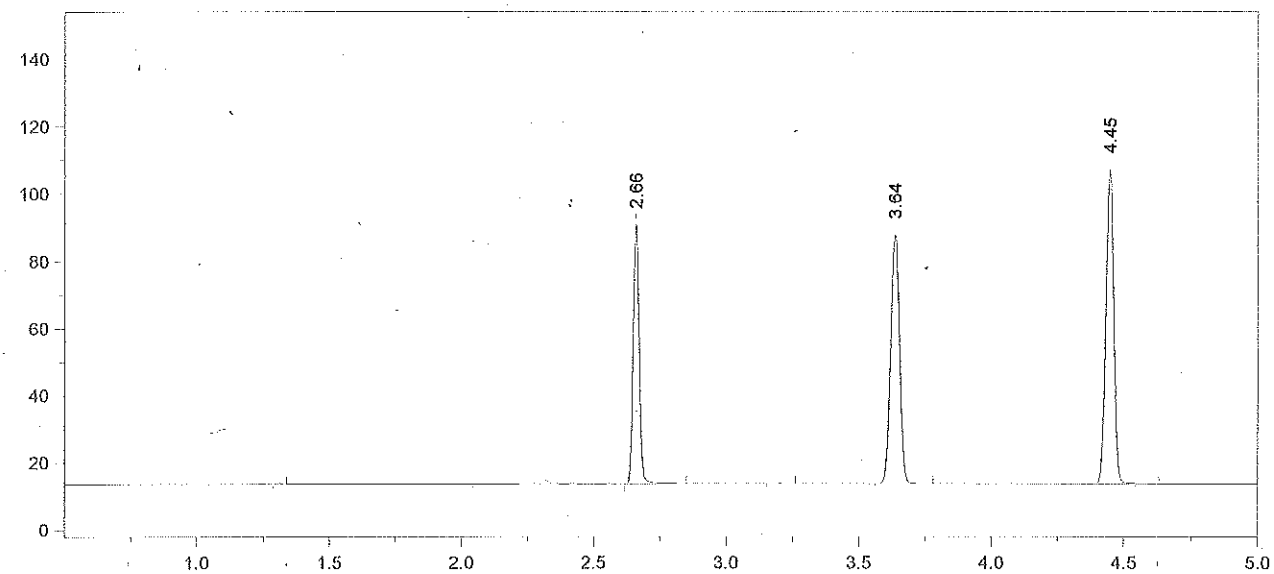
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	111324	0.1181	0.0964
5	3.64	t-Butanol	160739	1.0245	0.8362
6	4.45	n-Propanol	185481	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013 Today's Time = 2:37:00 PM
Bound File Name = SIM04042013.0017.RAW
Sample Name = RLM 0.1
Date Taken = 4/4/2013 2:36:55 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL Calibration Version = 7

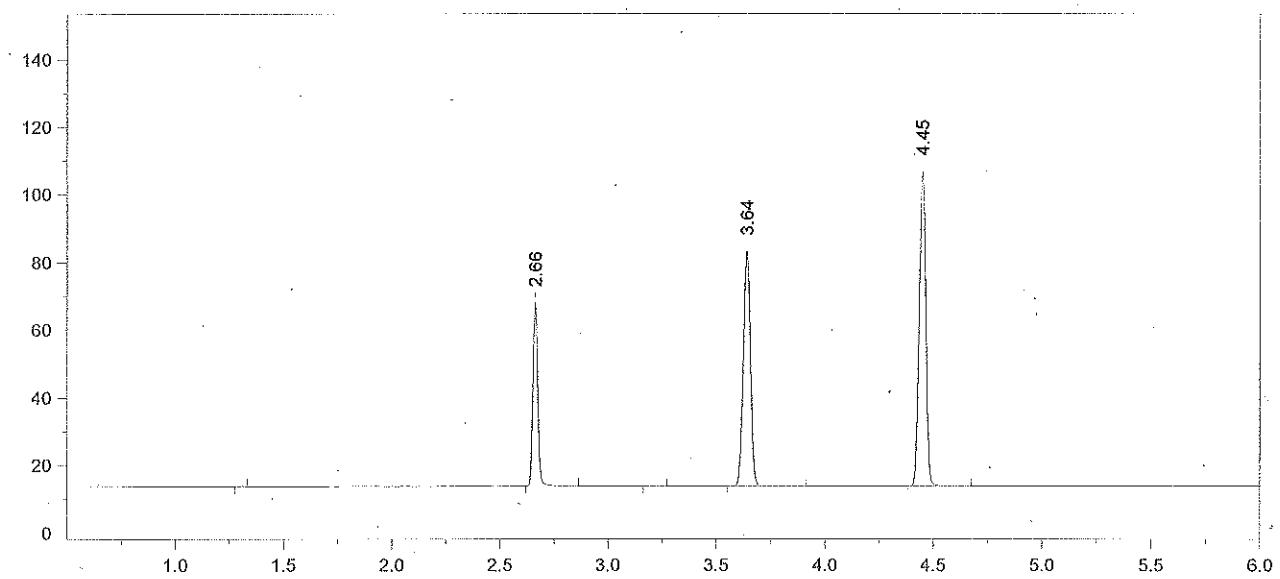
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	116072	0.1209	0.0986
4	3.64	t-Butanol	155721	0.9745	0.7954
5	4.45	n-Propanol	188908	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013 Today's Time = 2:54:48 PM
Bound File Name = SIM04042013.0018.RAW
Sample Name = RLM 0.1
Date Taken = 4/4/2013 2:54:41 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL Calibration Version = 7

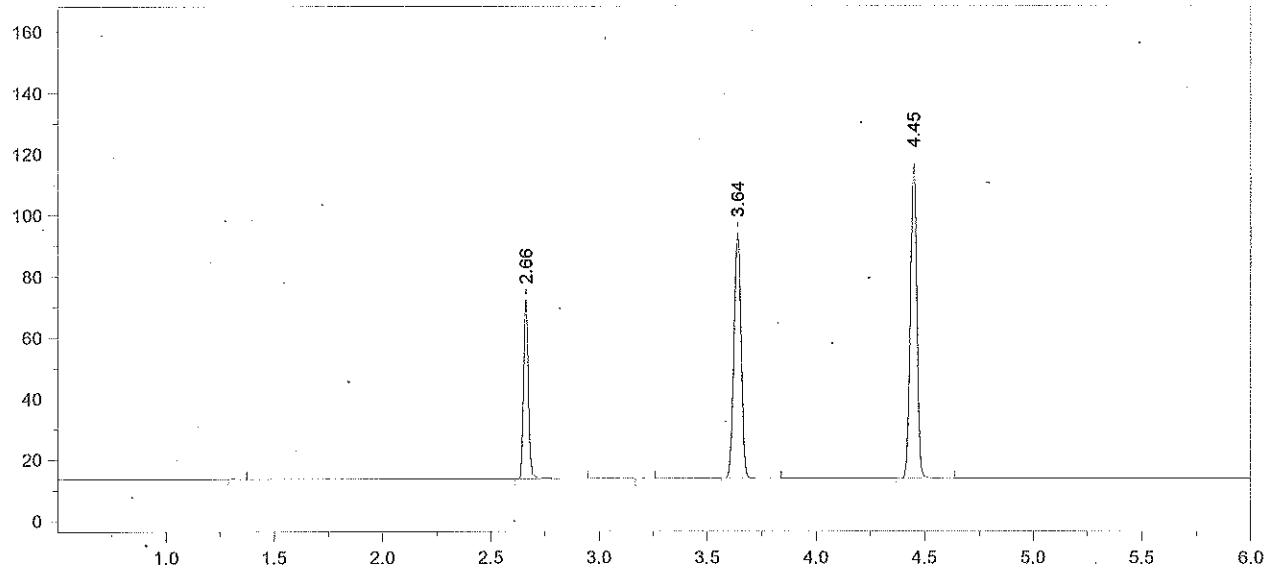
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117669	0.1173	0.0958
4	3.64	t-Butanol	170802	1.0236	0.8354
5	4.45	n-Propanol	197267	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 3:08:36 PM
Bound File Name = SIM04042013.0019.RAW
Sample Name = CCS
Date Taken = 4/4/2013 3:08:32 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	83303	0.0836
4	3.64	t-Butanol	160237	0.9659
5	4.45	n-Propanol	196118	1.0000

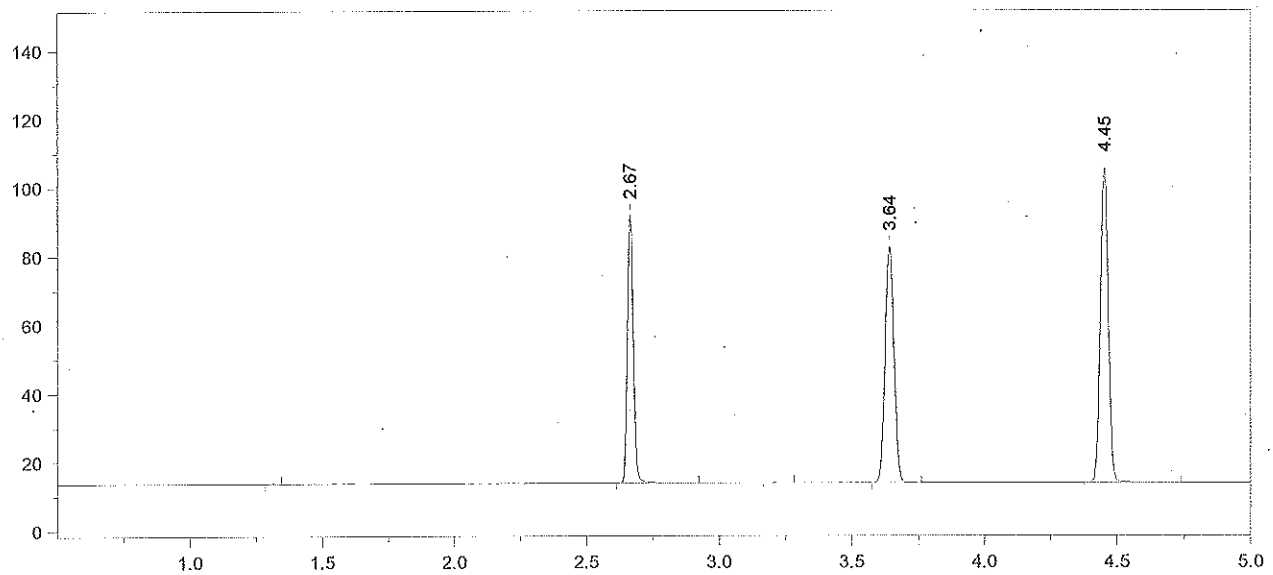


Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 3:24:31 PM
Bound File Name = SIM04042013.0020.RAW
Sample Name = CCS
Date Taken = 4/4/2013 3:24:23 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	90427	0.0821
4	3.64	t-Butanol	185217	1.0111
5	4.45	n-Propanol	216561	1.0000

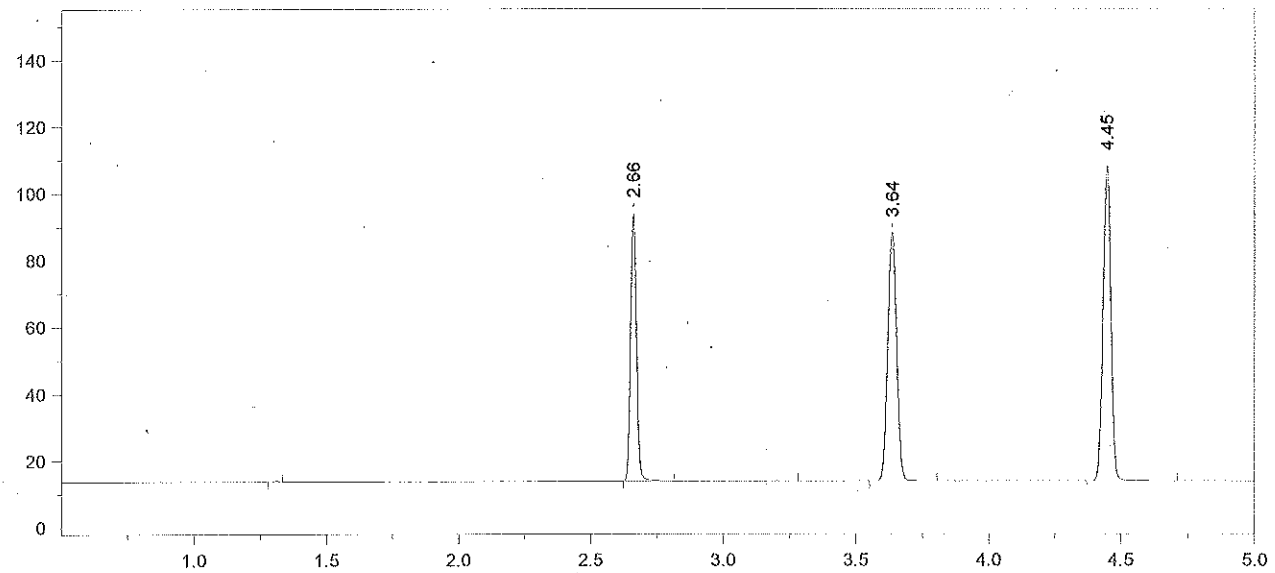
Avg #19 + #20 = 0.083
RJM 4/5/13



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 3:39:51 PM
Bound File Name = SIM04042013.0021.RAW
Sample Name = ALB 0.1
Date Taken = 4/4/2013 3:39:46 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

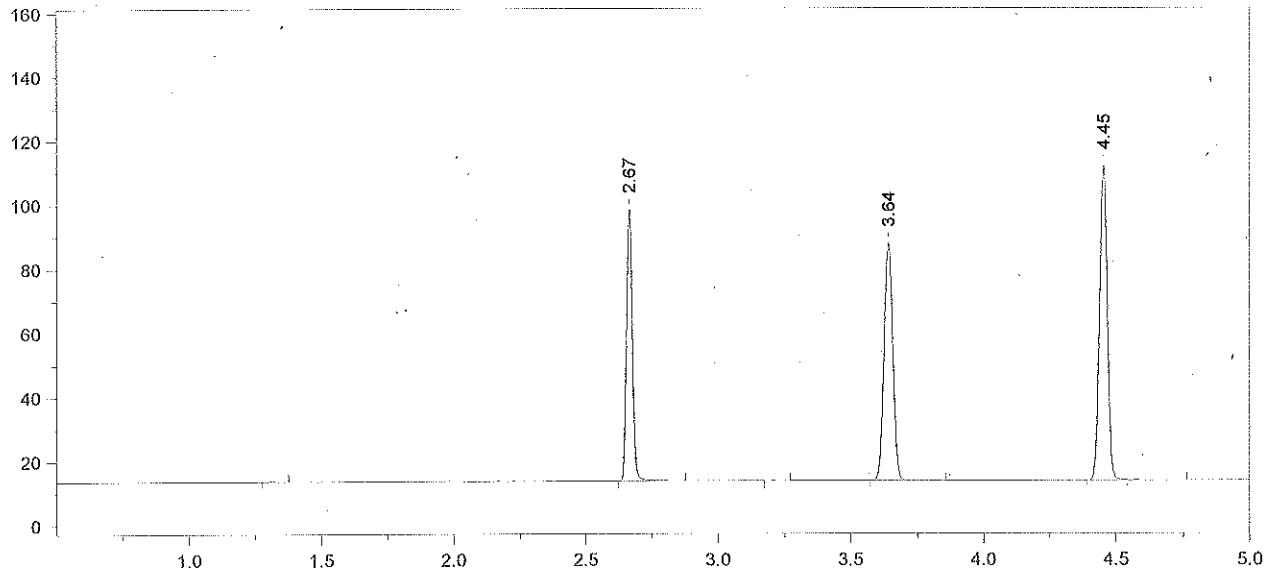
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	120653	0.1216	0.0993
4	3.64	t-Butanol	158776	0.9618	0.7850
5	4.45	n-Propanol	195162	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013 Today's Time = 3:56:07 PM
Bound File Name = SIM04042013.0022.RAW
Sample Name = ALB 0.1
Date Taken = 4/4/2013 3:55:57 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL Calibration Version = 7

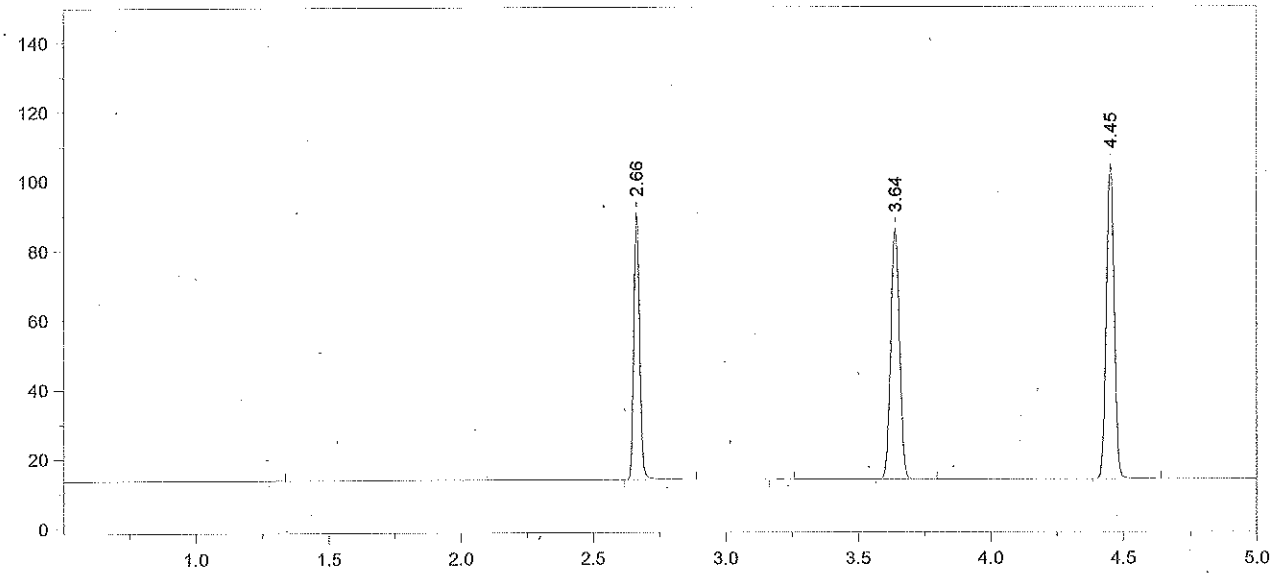
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	121666	0.1205	0.0984
4	3.64	t-Butanol	170817	1.0168	0.8299
5	4.45	n-Propanol	198588	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 4:10:11 PM
Bound File Name = SIM04042013.0023.RAW
Sample Name = ALB 0.1
Date Taken = 4/4/2013 4:10:05 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

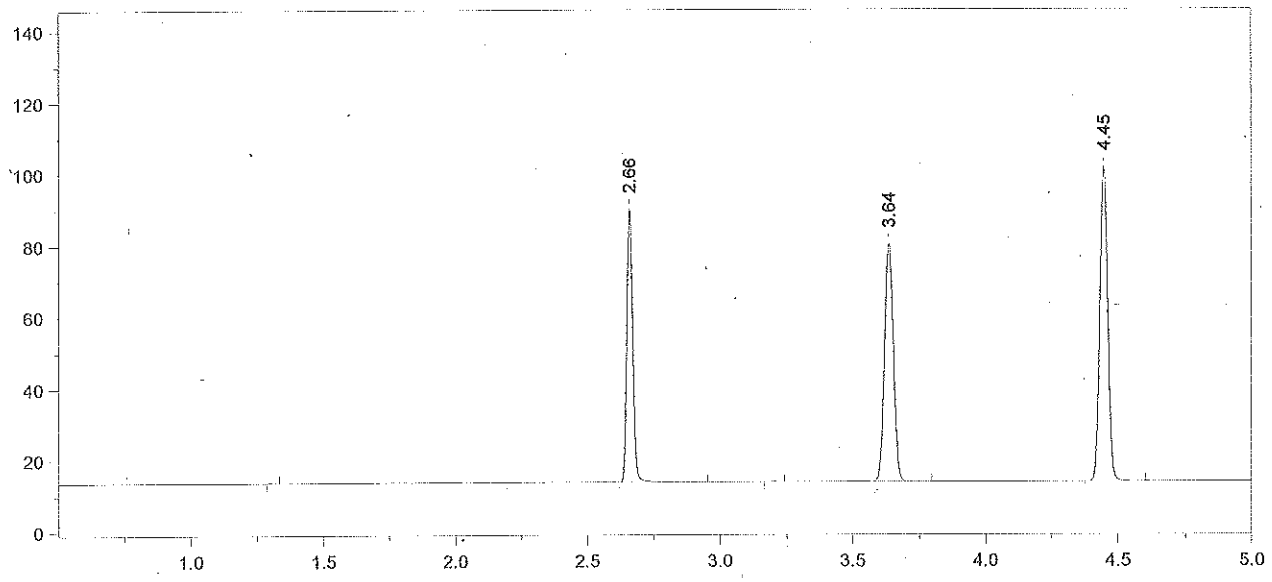
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	130628	0.1236	0.1009
4	3.64	t-Butanol	171386	0.9743	0.7952
5	4.45	n-Propanol	207957	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 4:27:29 PM
Bound File Name = SIM04042013.0024.RAW
Sample Name = ALB 0.1
Date Taken = 4/4/2013 4:27:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

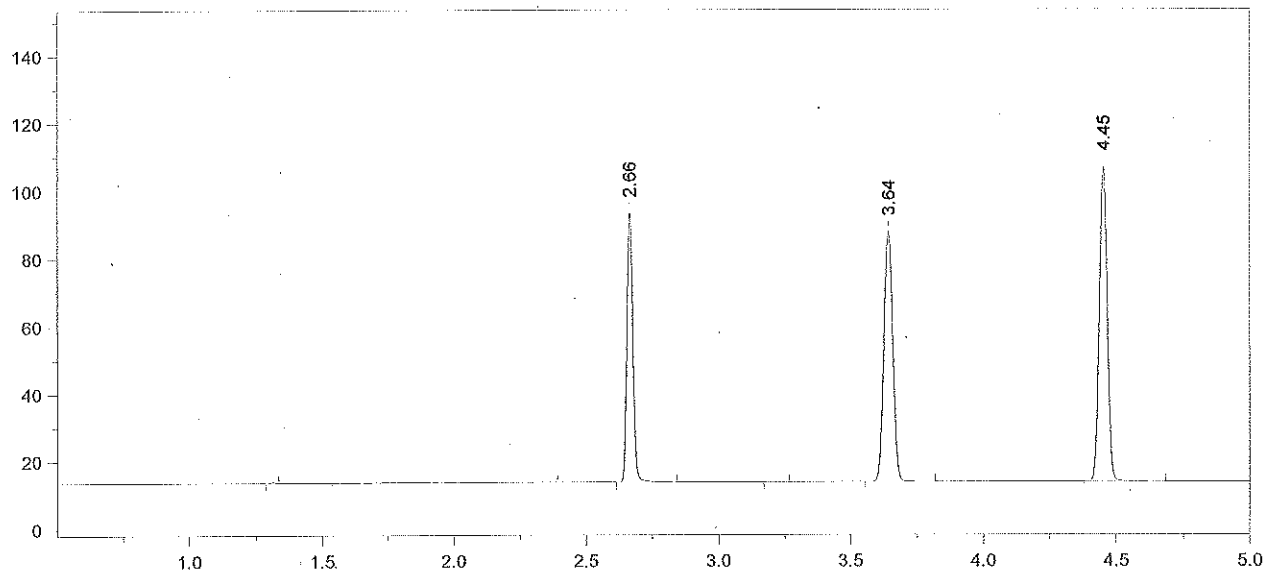
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117763	0.1212	0.0990
4	3.64	t-Butanol	166056	1.0274	0.8385
5	4.45	n-Propanol	191075	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 4:41:09 PM
Bound File Name = SIM04042013.0025.RAW
Sample Name = ALB 0.1
Date Taken = 4/4/2013 4:41:02 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

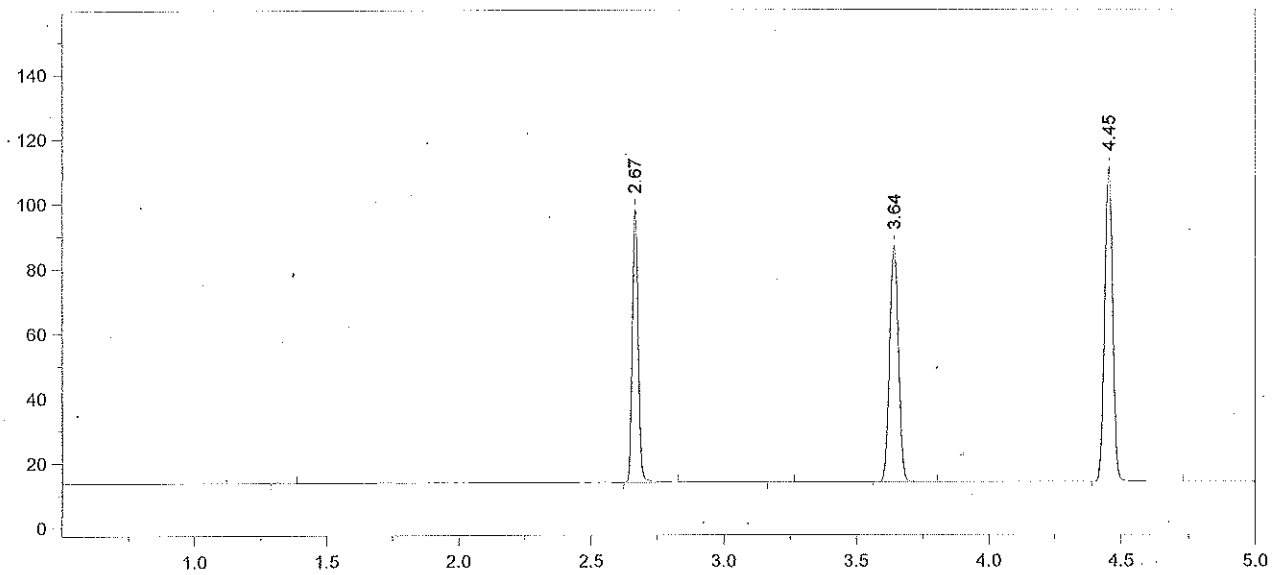
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	116943	0.1244	0.1015
4	3.64	t-Butanol	153128	0.9791	0.7991
5	4.45	n-Propanol	184891	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 4:58:55 PM
Bound File Name = SIM04042013.0026.RAW
Sample Name = ALB 0.1
Date Taken = 4/4/2013 4:58:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

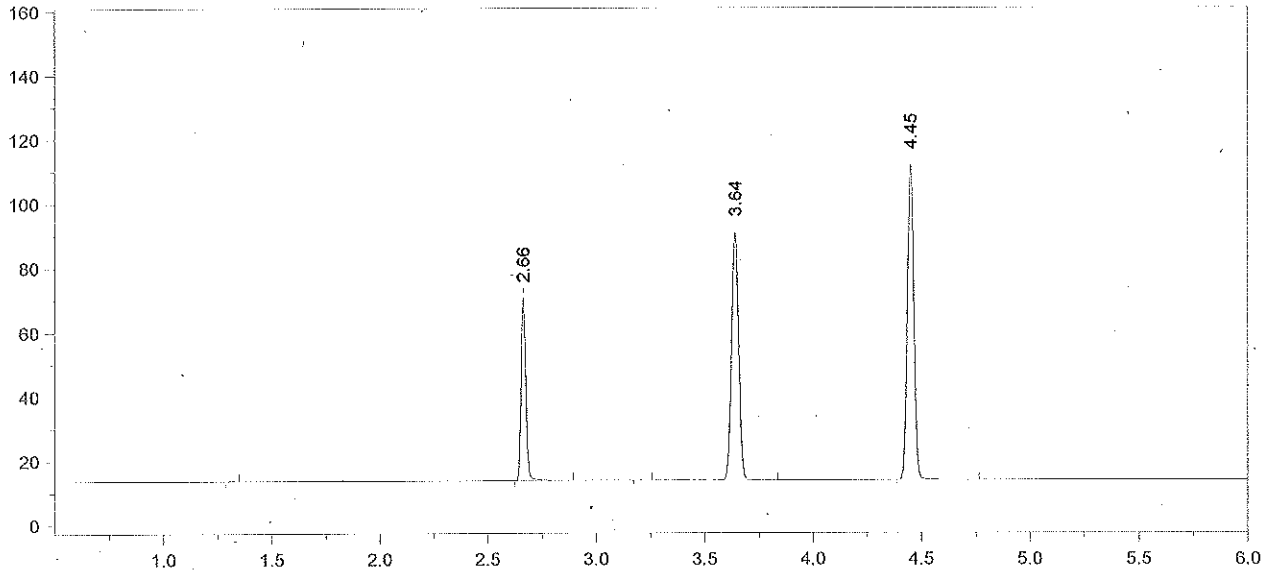
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	121970	0.1215	0.0992
4	3.64	t-Butanol	170942	1.0237	0.8355
5	4.45	n-Propanol	197410	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/4/2013
Today's Time = 5:12:53 PM
Bound File Name = SIM04042013.0027.RAW
Sample Name = ALB 0.1
Date Taken = 4/4/2013 5:12:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04042013.CAL
Calibration Version = 7

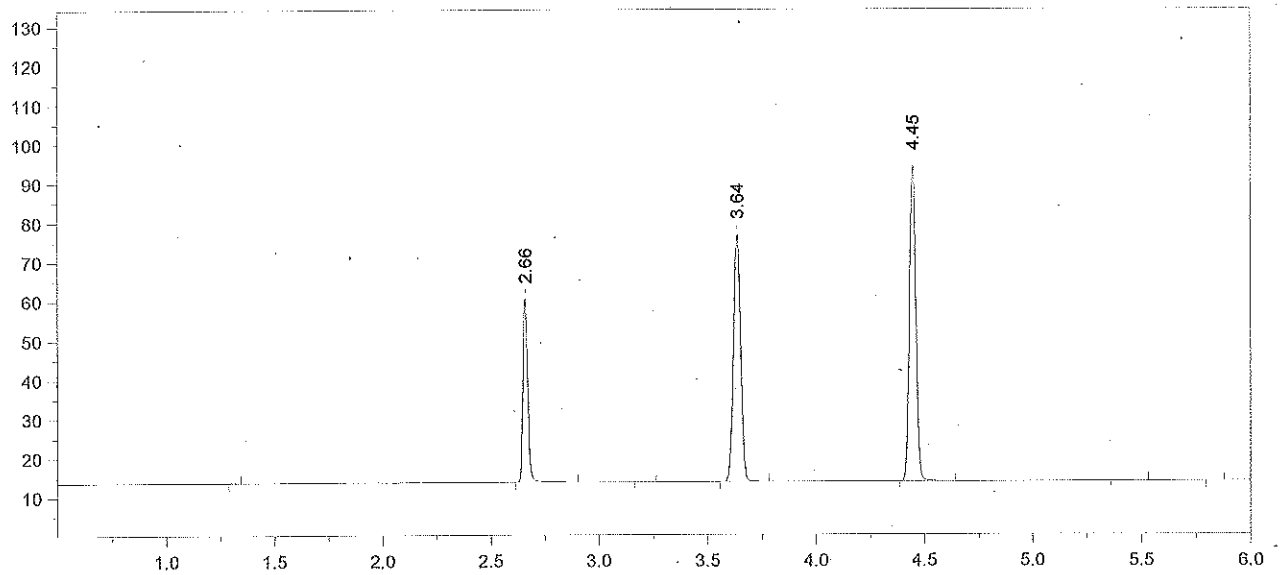
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	128822	0.1232	0.1006
4	3.64	t-Butanol	168452	0.9685	0.7905
5	4.45	n-Propanol	205624	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 5:28:39 PM
Bound File Name = SIM04042013.0028.RAW
Sample Name = CCS
Date Taken = 4/4/2013 5:28:30 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	87188	0.0825
4	3.64	t-Butanol	177654	1.0107
5	4.45	n-Propanol	207793	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/4/2013
Today's Time = 5:44:15 PM
Bound File Name = SIM04042013.0029.RAW
Sample Name = CCS
Date Taken = 4/4/2013 5:44:11 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	72214	0.0837
4	3.64	t-Butanol	145163	1.0113
5	4.45	n-Propanol	169693	1.0000

Avg #28 + #29 = 0.083
RKM 4/5/13

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM Date: 4/5/13

Calibration Standards:

Lot ID: ES-01182013 Preparation Date: 01/18/2013 Expiration Date: 4/18/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check (c)
% Ethanol (w/v)	0.005	0.022	0.085	0.205	0.409	0.085
Acceptance Range (± 10%)	0.006	0.024	0.094	0.225	0.450	0.094
	0.004	0.020	0.077	0.184	0.368	0.077

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	2.02		
		Ethanol	2.66		
		Acetone	3.07		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3	Standard A		0.005	(Y) N	
4	Standard B		0.020	(Y) N	
5	Standard C		0.083	(Y) N	
6	Standard D		0.201	(Y) N	
7	Standard E		0.412	(Y) N	
8	Aqueous QC		0.0781	(Y) N	Avg = 0.078 (97% recovery) ✓
9	Aqueous QC		0.0789	(Y) N	

4/9/2013

File Name: C:\Methods\SIM04052013.CAL
Version: 8

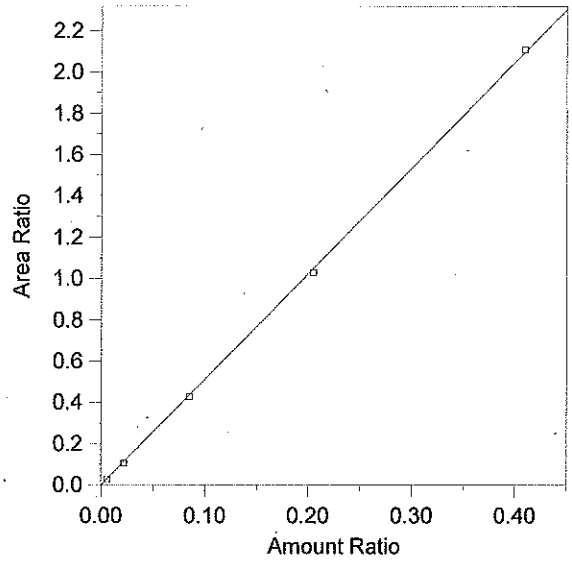
Creator:
Description:
Reason for change:

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: 2.664 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

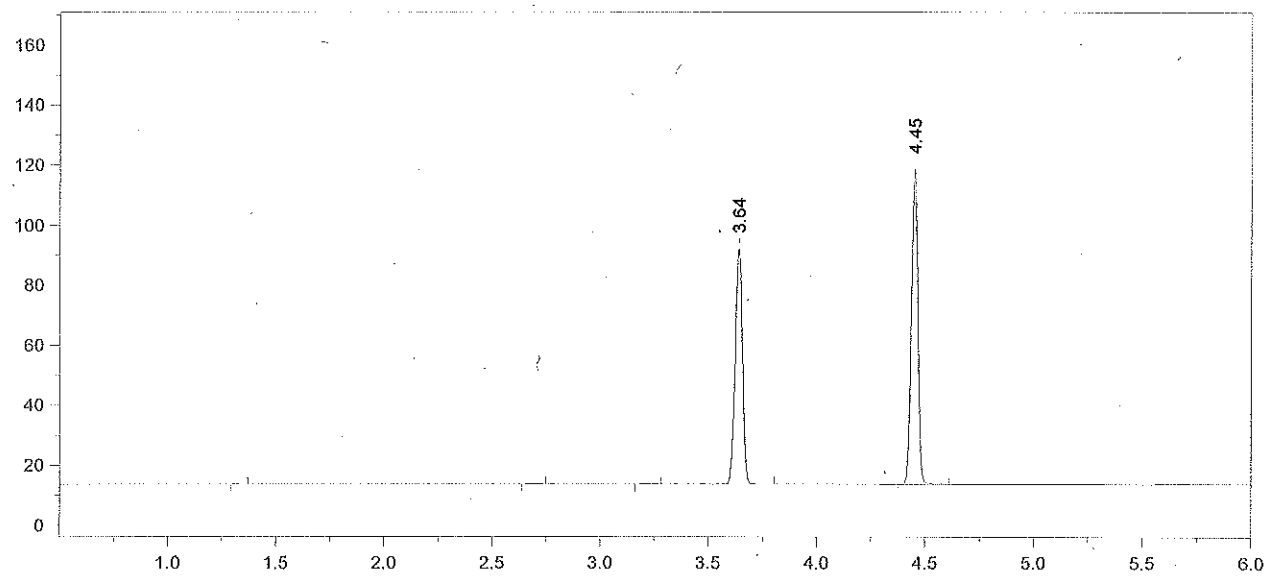
Y = 5.115725 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9997487
Average error: 2.801%
Average CF: 4.984897
RSD: 2.825%

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	0.0055	5384.068	978921.4	-2.310	0.0055	2.748644E-02	C:\Alcohol Data\SIM04052013\SIM04052013.0003.BND	4/5/2013 11:17:37 AM
3	0.022	19906.52	904841.8	-6.994	0.022	0.1046747	C:\Alcohol Data\SIM04052013\SIM04052013.0004.BND	4/5/2013 11:35:20 AM
4	0.0853	82317.8	965038.7	-2.104	0.0853	0.4271909	C:\Alcohol Data\SIM04052013\SIM04052013.0005.BND	4/5/2013 11:49:08 AM
5	0.2049	190767.3	931026.4	-1.989	0.2049	1.027366	C:\Alcohol Data\SIM04052013\SIM04052013.0006.BND	4/5/2013 12:06:51 PM
6	0.4095	390109	952647.1	0.610	0.4095	2.107664	C:\Alcohol Data\SIM04052013\SIM04052013.0007.BND	4/5/2013 12:20:25 PM

File Name = C:\Alcohol Data\SIM04052013\SIM04052013.SEQ
Version = 1
File Date = 4/5/2013 10:09:45 AM

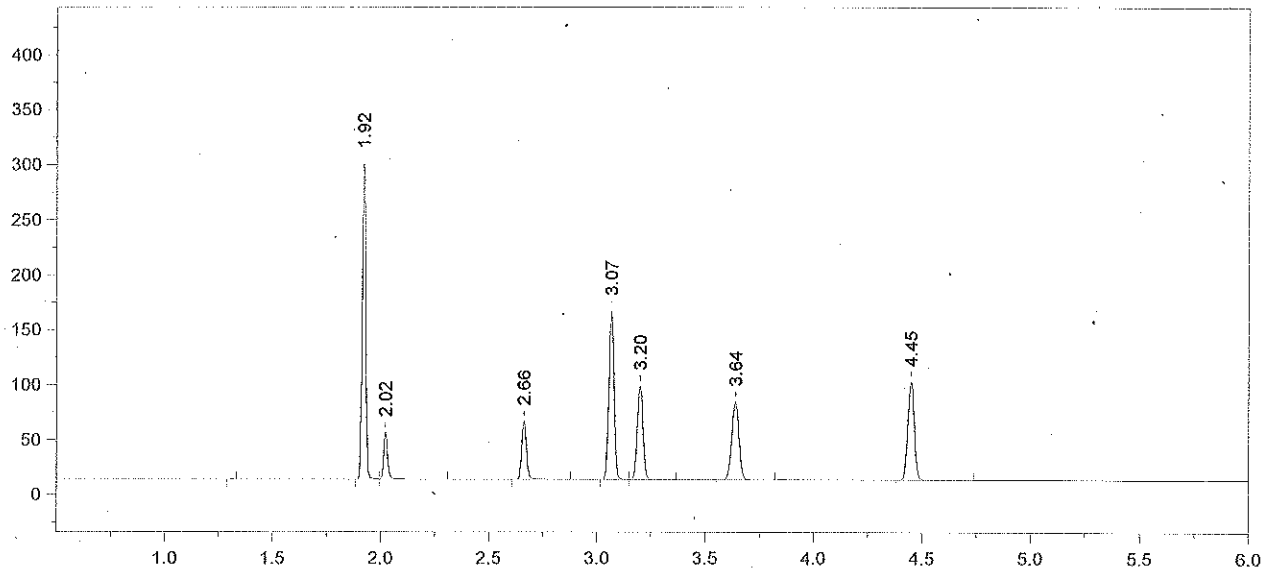
Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM04052013.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	SIM04052013.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	SIM04052013.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	SIM04052013.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	SIM04052013.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	SIM04052013.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	SIM04052013.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	SIM04052013.0008.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
9	SIM04052013.0009.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
10	SIM04052013.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	SIM04052013.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	SIM04052013.0012.raw	simsoln.met	RLM 0.1	1.00	1.00
13	SIM04052013.0013.raw	simsoln.met	RLM 0.1	1.00	1.00
14	SIM04052013.0014.raw	simsoln.met	RLM 0.1	1.00	1.00
15	SIM04052013.0015.raw	simsoln.met	RLM 0.1	1.00	1.00
16	SIM04052013.0016.raw	simsoln.met	RLM 0.1	1.00	1.00
17	SIM04052013.0017.raw	simsoln.met	RLM 0.1	1.00	1.00
18	SIM04052013.0018.raw	simsoln.met	RLM 0.1	1.00	1.00
19	SIM04052013.0019.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
20	SIM04052013.0020.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
21	SIM04052013.0021.raw	simsoln.met	ALB 0.1	1.00	1.00
22	SIM04052013.0022.raw	simsoln.met	ALB 0.1	1.00	1.00
23	SIM04052013.0023.raw	simsoln.met	ALB 0.1	1.00	1.00
24	SIM04052013.0024.raw	simsoln.met	ALB 0.1	1.00	1.00
25	SIM04052013.0025.raw	simsoln.met	ALB 0.1	1.00	1.00
26	SIM04052013.0026.raw	simsoln.met	ALB 0.1	1.00	1.00
27	SIM04052013.0027.raw	simsoln.met	ALB 0.1	1.00	1.00
28	SIM04052013.0028.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
29	SIM04052013.0029.raw	Blood Alc New VFL.MET	CCS	1.00	1.00



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:13:17 PM
Bound File Name = SIM04052013.0001.RAW
Sample Name = Blank
Date Taken = 4/5/2013 10:46:32 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

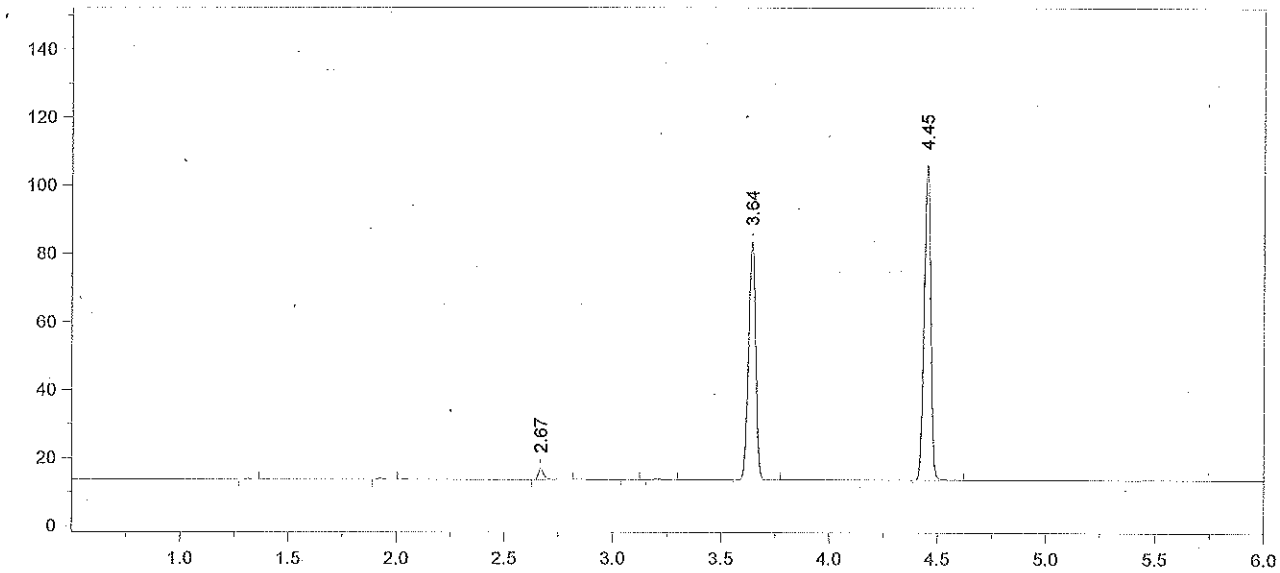
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	181436	0.9684
5	4.45	n-Propanol	222351	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:13:23 PM
Bound File Name = SIM04052013.0002.RAW
Sample Name = TMX
Date Taken = 4/5/2013 11:03:46 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

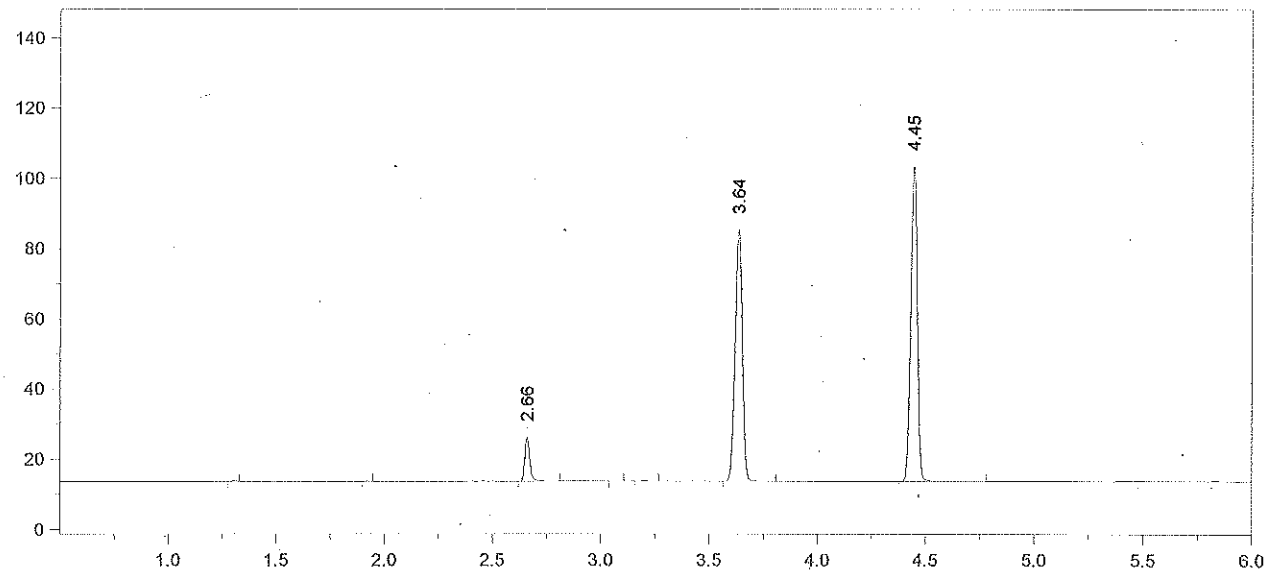
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	329061	0.0720
3	2.02	Methanol	54818	0.1271
4	2.66	Ethanol	82421	0.0851
5	3.07	Acetone	259675	0.0695
6	3.20	Isopropanol	158618	0.0826
7	3.64	t-Butanol	163371	1.0240
8	4.45	n-Propanol	189347	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:13:30 PM
Bound File Name = SIM04052013.0003.RAW
Sample Name = STD A
Date Taken = 4/5/2013 11:17:29 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

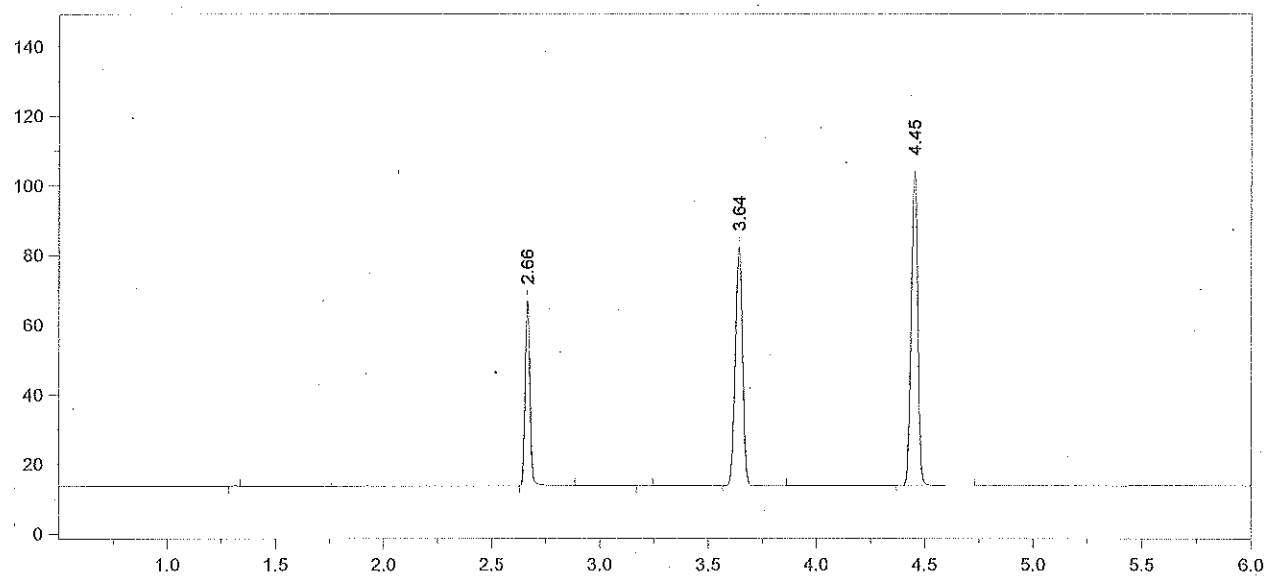
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	05384	0.0054
6	3.64	t-Butanol	161175	0.9765
7	4.45	n-Propanol	195881	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013 Today's Time = 3:13:37 PM
Bound File Name = SIM04052013.0004.RAW
Sample Name = STD B
Date Taken = 4/5/2013 11:35:13 AM VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL Calibration Version = 8

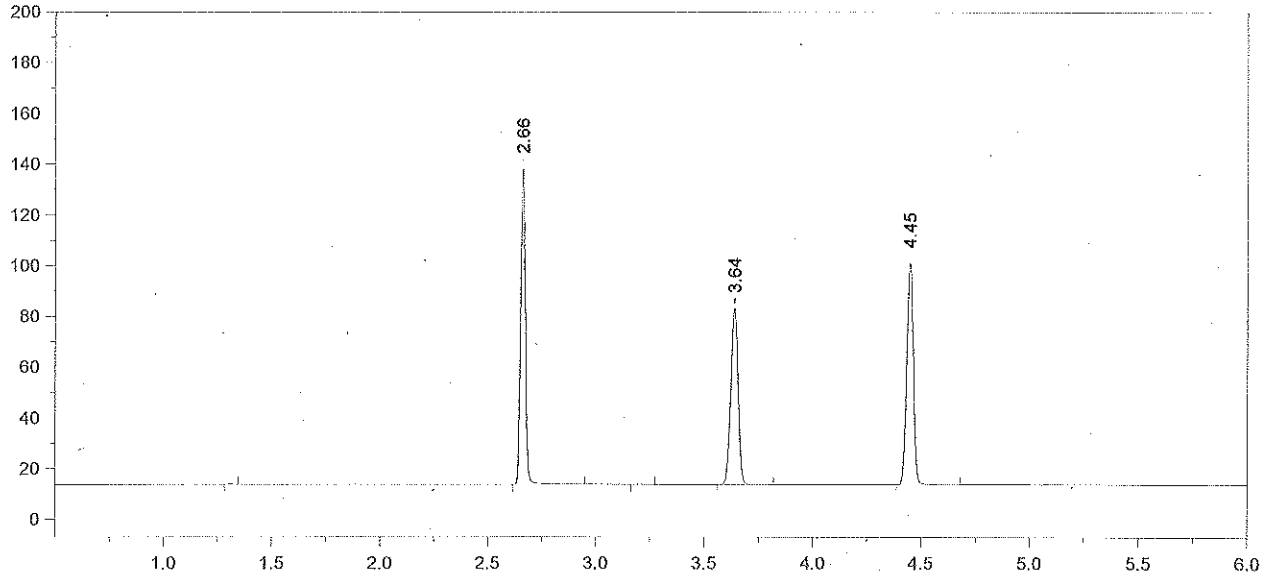
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	19907	0.0205
6	3.64	t-Butanol	165741	1.0343
7	4.45	n-Propanol	190175	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:13:44 PM
Bound File Name = SIM04052013.0005.RAW
Sample Name = STD C
Date Taken = 4/5/2013 11:49:03 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

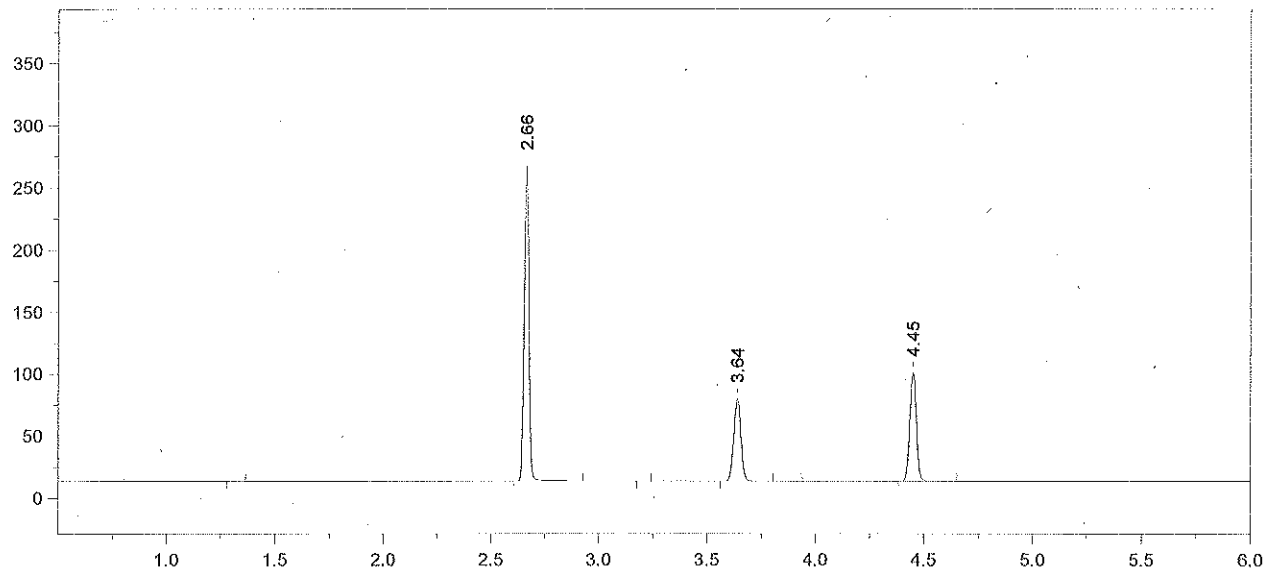
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	82318	0.0835
4	3.64	t-Butanol	158424	0.9757
5	4.45	n-Propanol	192696	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:13:51 PM
Bound File Name = SIM04052013.0006.RAW
Sample Name = STD D
Date Taken = 4/5/2013 12:06:40 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

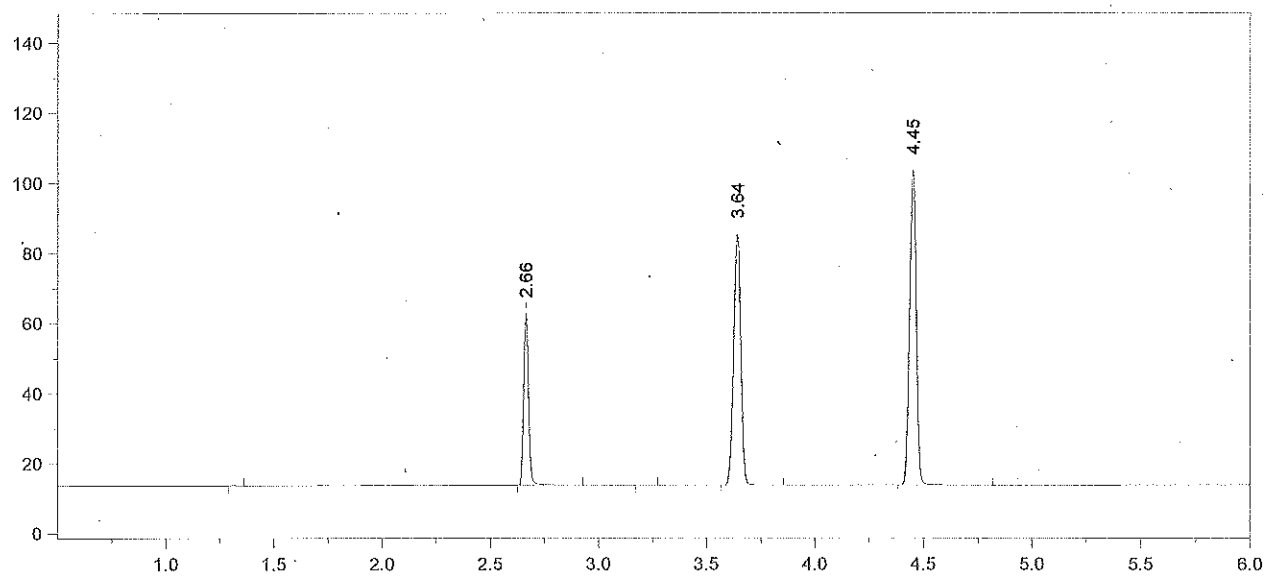
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	190767	0.2008
4	3.64	t-Butanol	160128	1.0235
5	4.45	n-Propanol	185686	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:13:59 PM
Bound File Name = SIM04052013.0007.RAW
Sample Name = STD E
Date Taken = 4/5/2013 12:20:17 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

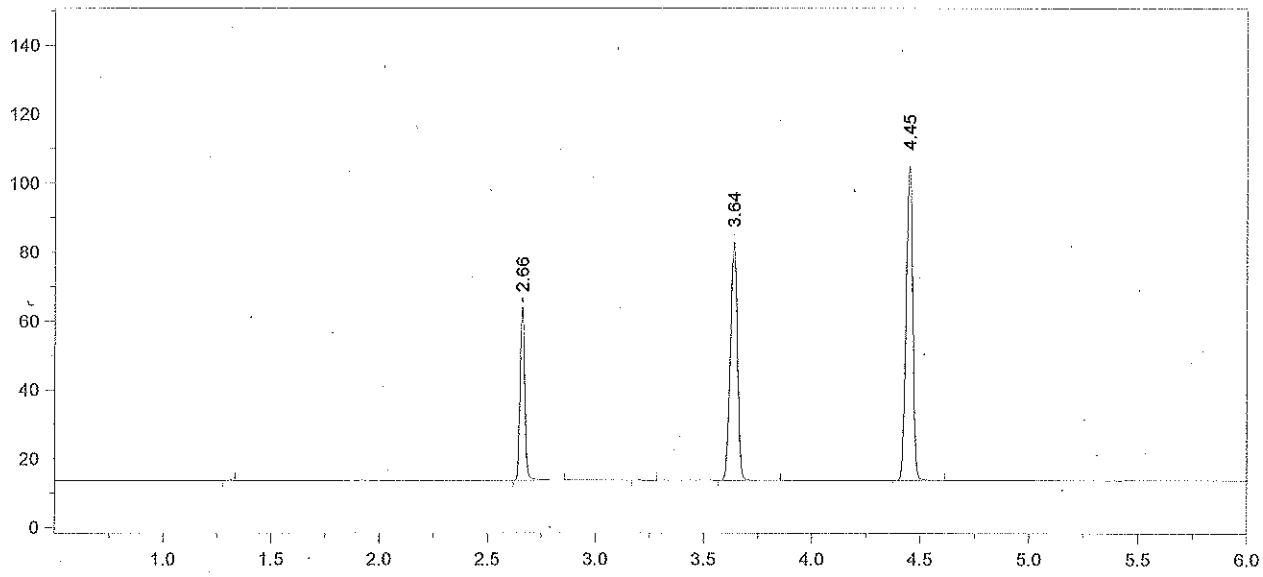
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	390109	0.4120
4	3.64	t-Butanol	152390	0.9771
5	4.45	n-Propanol	185091	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:14:37 PM
Bound File Name = SIM04052013.0008.RAW
Sample Name = AQ QC
Date Taken = 4/5/2013 12:38:06 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75974	0.0781
4	3.64	t-Butanol	164719	1.0281
5	4.45	n-Propanol	190146	1.0000

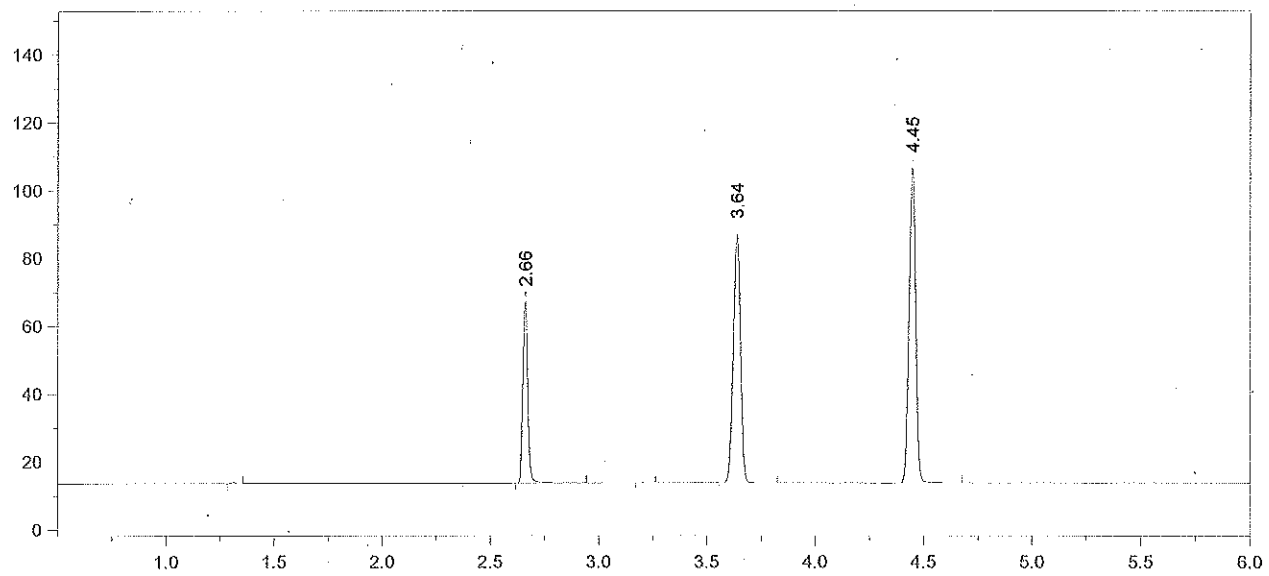


Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013 Today's Time = 3:14:43 PM
Bound File Name = SIM04052013.0009.RAW
Sample Name = AQ QC
Date Taken = 4/5/2013 12:51:37 PM VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	78123	0.0789
4	3.64	t-Butanol	159679	0.9788
5	4.45	n-Propanol	193608	1.0000

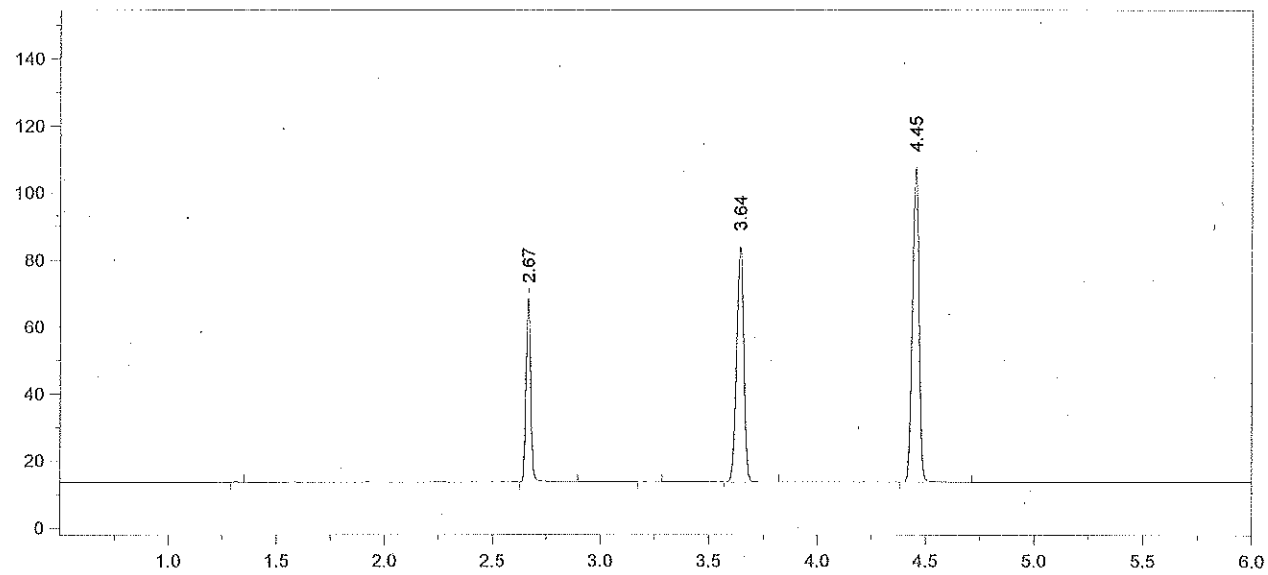
Avg #8 + #9 = 0.078
RLM 4/8/13



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:14:49 PM
Bound File Name = SIM04052013.0010.RAW
Sample Name = CCS
Date Taken = 4/5/2013 1:09:33 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	82402	0.0823
4	3.64	t-Butanol	168900	1.0240
5	4.45	n-Propanol	195749	1.0000

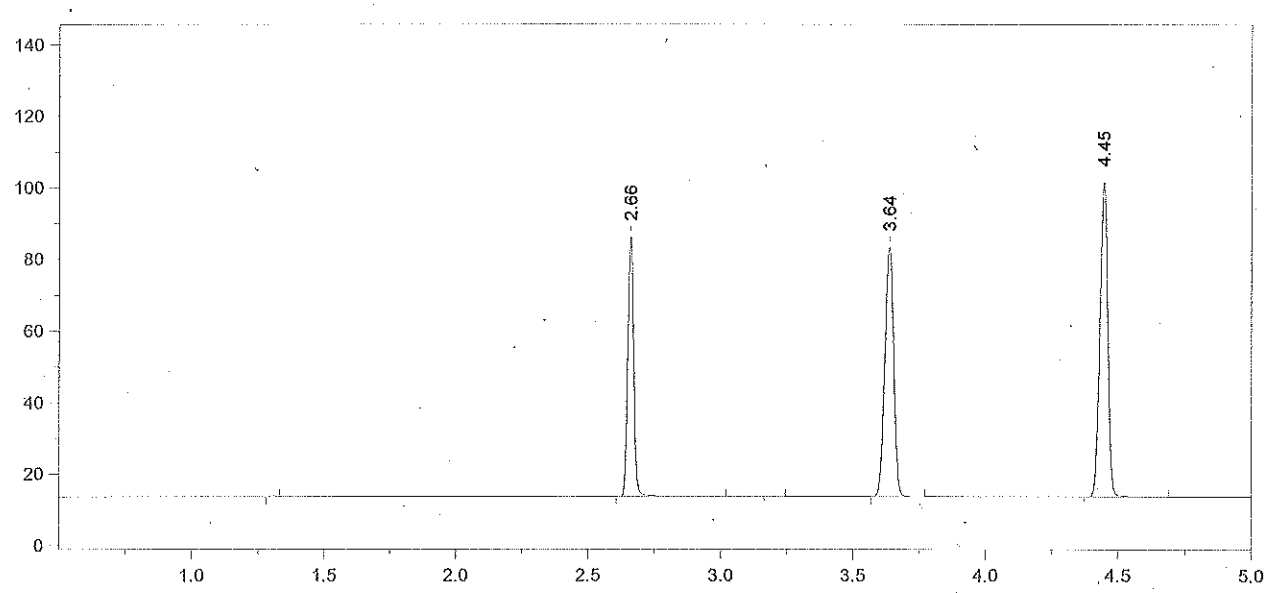


Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:14:58 PM
Bound File Name = SIM04052013.0011.RAW
Sample Name = CCS
Date Taken = 4/5/2013 1:23:19 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	84569	0.0831
4	3.64	t-Butanol	161514	0.9633
5	4.45	n-Propanol	198989	1.0000

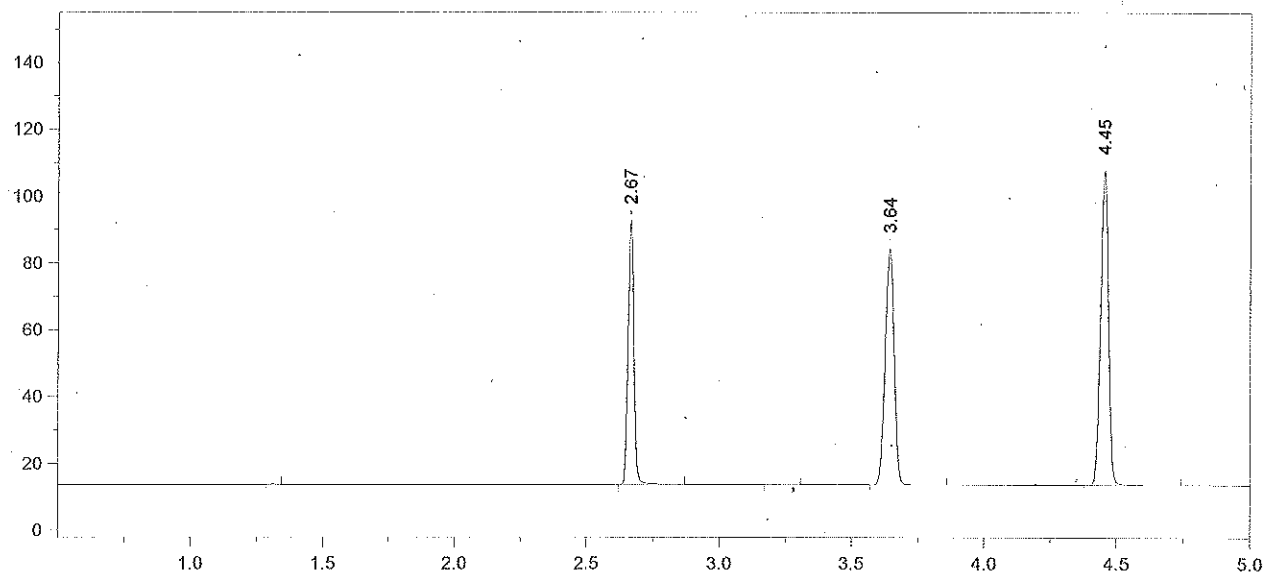
Avg #10 & #11 = 0.083
RZM 4/8/13



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:15:05 PM
Bound File Name = SIM04052013.0012.RAW
Sample Name = RLM 0.1
Date Taken = 4/5/2013 1:40:58 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

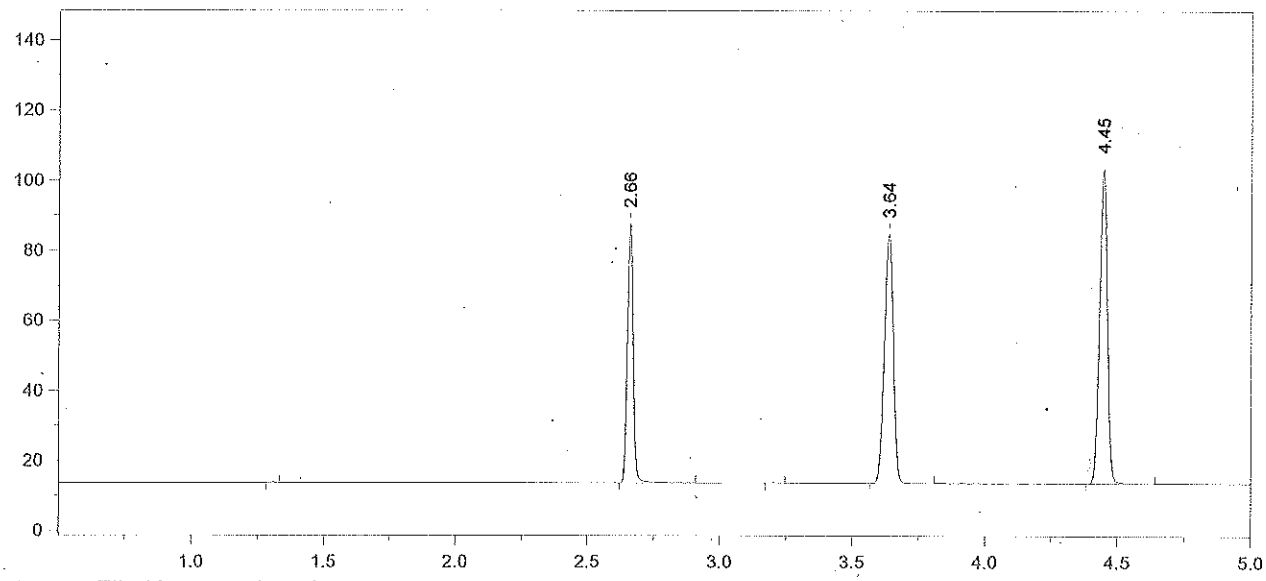
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112203	0.1177	0.0960
4	3.64	t-Butanol	161178	1.0262	0.8376
5	4.45	n-Propanol	186409	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:15:12 PM
Bound File Name = SIM04052013.0013.RAW
Sample Name = RLM 0.1
Date Taken = 4/5/2013 1:54:30 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

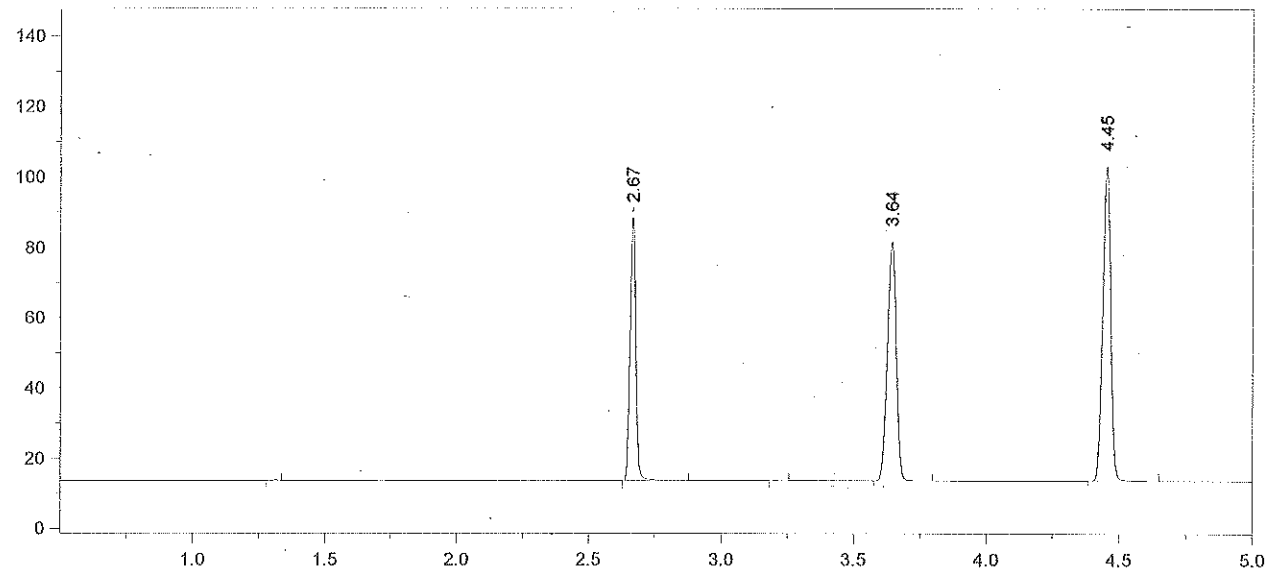
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	121566	0.1189	0.0971
4	3.64	t-Butanol	163041	0.9685	0.7905
5	4.45	n-Propanol	199788	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013
Today's Time = 3:15:19 PM
Bound File Name = SIM04052013.0014.RAW
Sample Name = RLM 0.1
Date Taken = 4/5/2013 2:12:27 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL
Calibration Version = 8

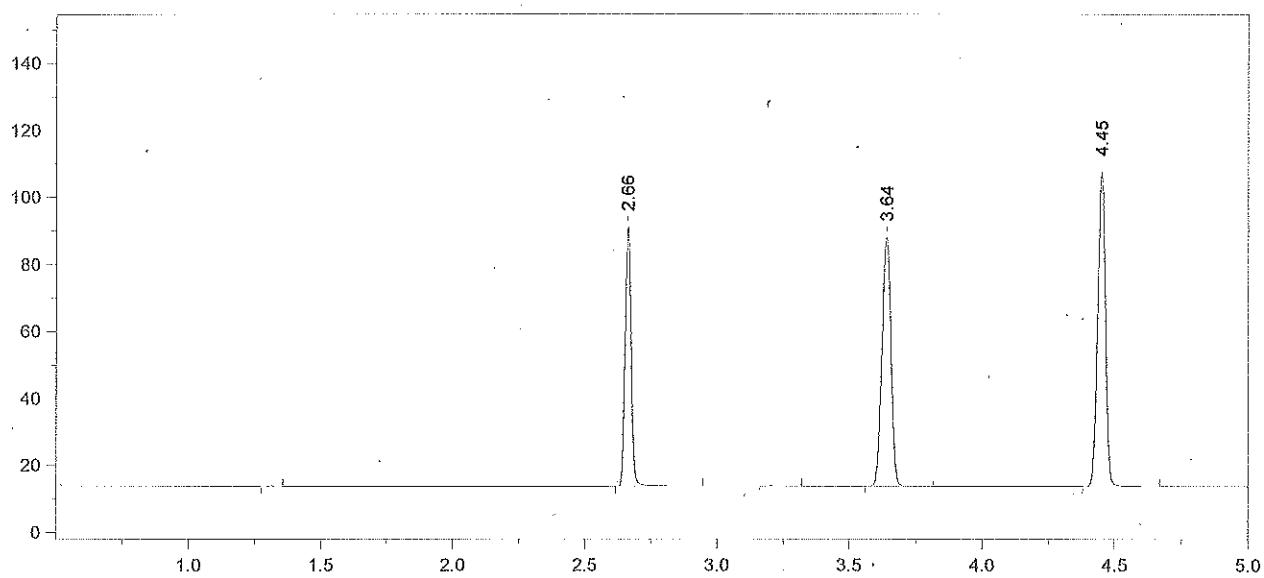
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	113342	0.1174	0.0958
4	3.64	t-Butanol	163703	1.0298	0.8405
5	4.45	n-Propanol	188663	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013
Today's Time = 3:15:26 PM
Bound File Name = SIM04052013.0015.RAW
Sample Name = RLM 0.1
Date Taken = 4/5/2013 2:26:02 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL
Calibration Version = 8

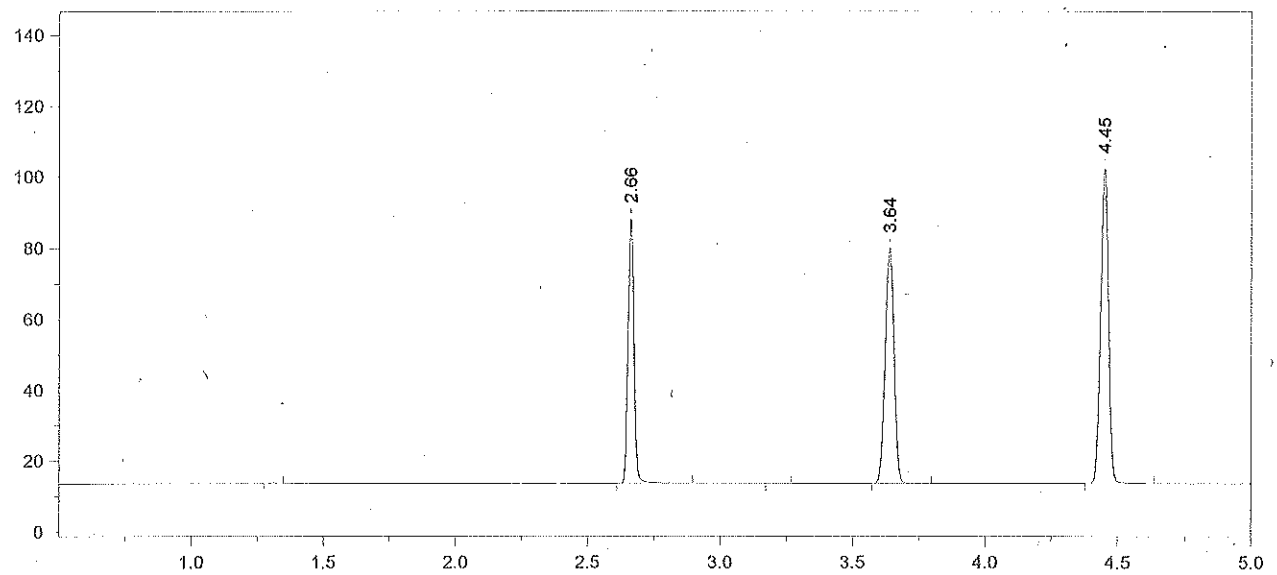
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	115731	0.1191	0.0972
4	3.64	t-Butanol	157017	0.9807	0.8004
5	4.45	n-Propanol	190024	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:15:33 PM
Bound File Name = SIM04052013.0016.RAW
Sample Name = RLM 0.1
Date Taken = 4/5/2013 2:43:56 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

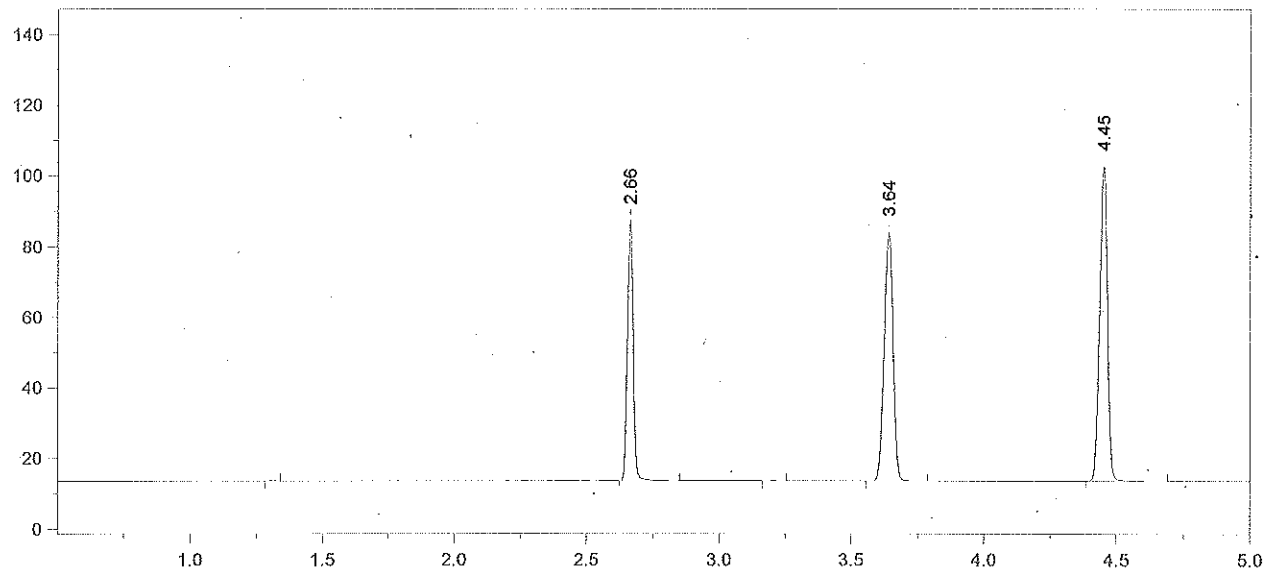
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119348	0.1171	0.0956
4	3.64	t-Butanol	171884	1.0237	0.8355
5	4.45	n-Propanol	199274	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:15:41 PM
Bound File Name = SIM04052013.0017.RAW
Sample Name = RLM 0.1
Date Taken = 4/5/2013 2:57:35 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

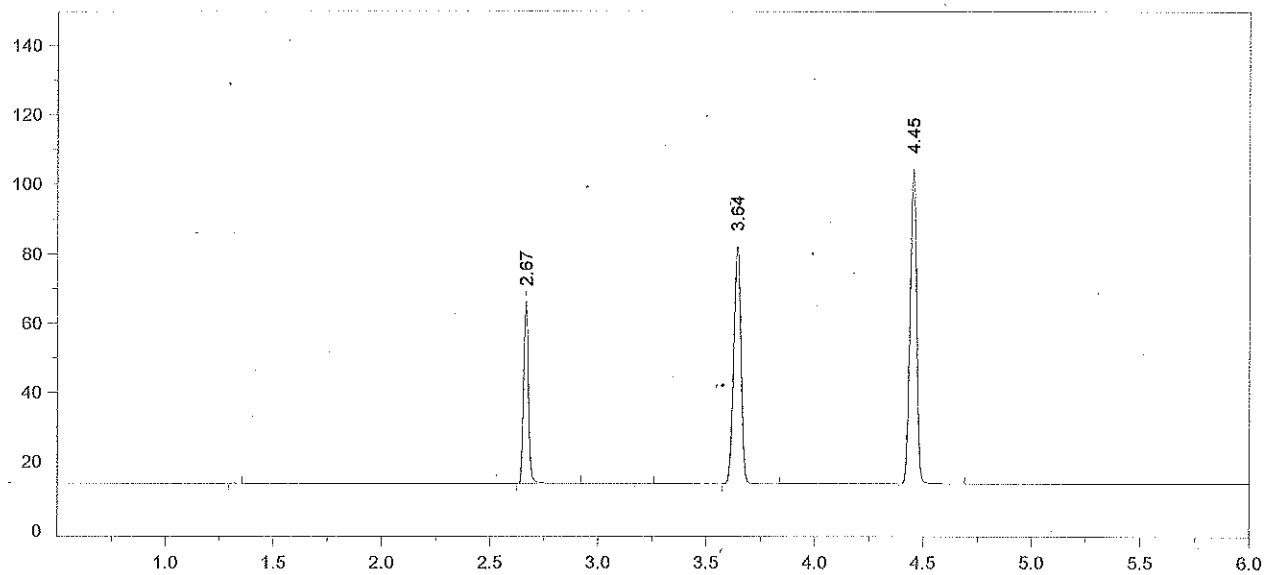
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	115204	0.1202	0.0981
4	3.64	t-Butanol	152770	0.9680	0.7901
5	4.45	n-Propanol	187295	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:15:49 PM
Bound File Name = SIM04052013.0018.RAW
Sample Name = RLM 0.1
Date Taken = 4/5/2013 3:15:23 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

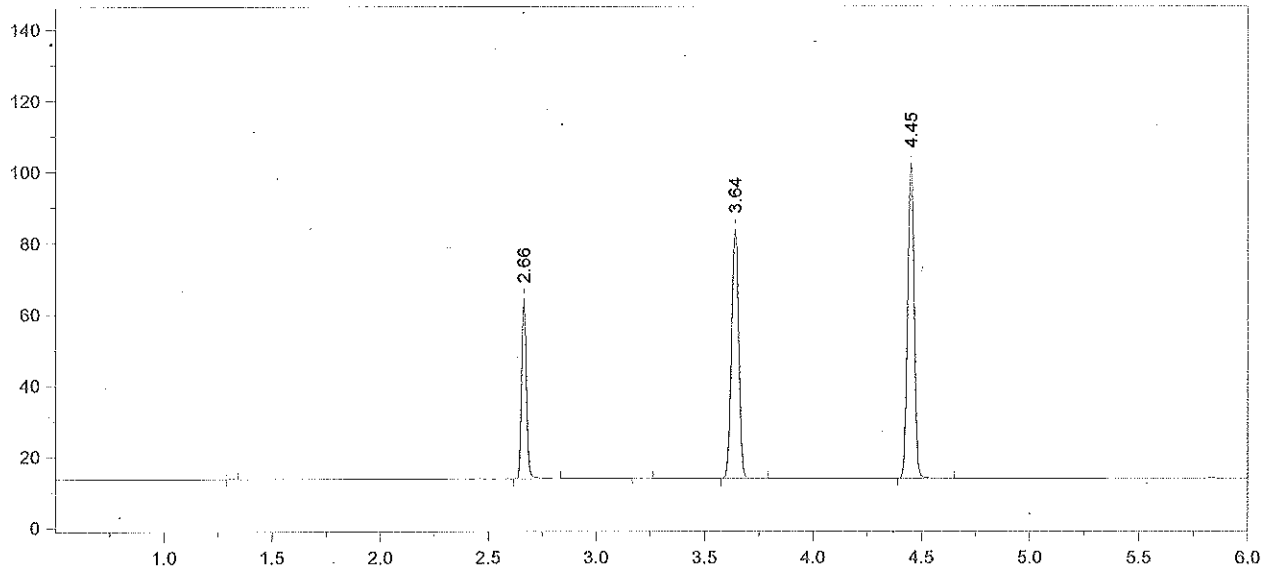
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112569	0.1166	0.0952
4	3.64	t-Butanol	162231	1.0204	0.8328
5	4.45	n-Propanol	188695	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:15:57 PM
Bound File Name = SIM04052013.0019.RAW
Sample Name = CCS
Date Taken = 4/5/2013 3:28:36 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	81895	0.0833
4	3.64	t-Butanol	158095	0.9766
5	4.45	n-Propanol	192133	1.0000

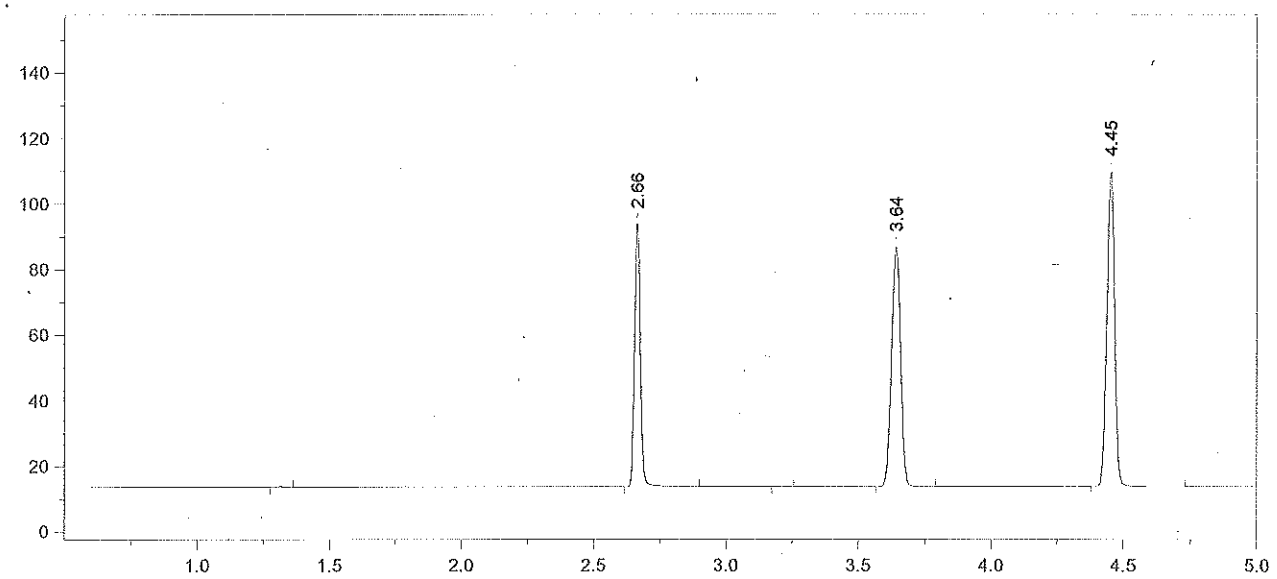


Format File Name = AlcoholVFL.FMT

Today's Date = 4/8/2013
Today's Time = 3:16:05 PM
Bound File Name = SIM04052013.0020.RAW
Sample Name = CCS
Date Taken = 4/5/2013 3:46:50 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77961	0.0815
4	3.64	t-Butanol	161828	1.0273
5	4.45	n-Propanol	186960	1.0000

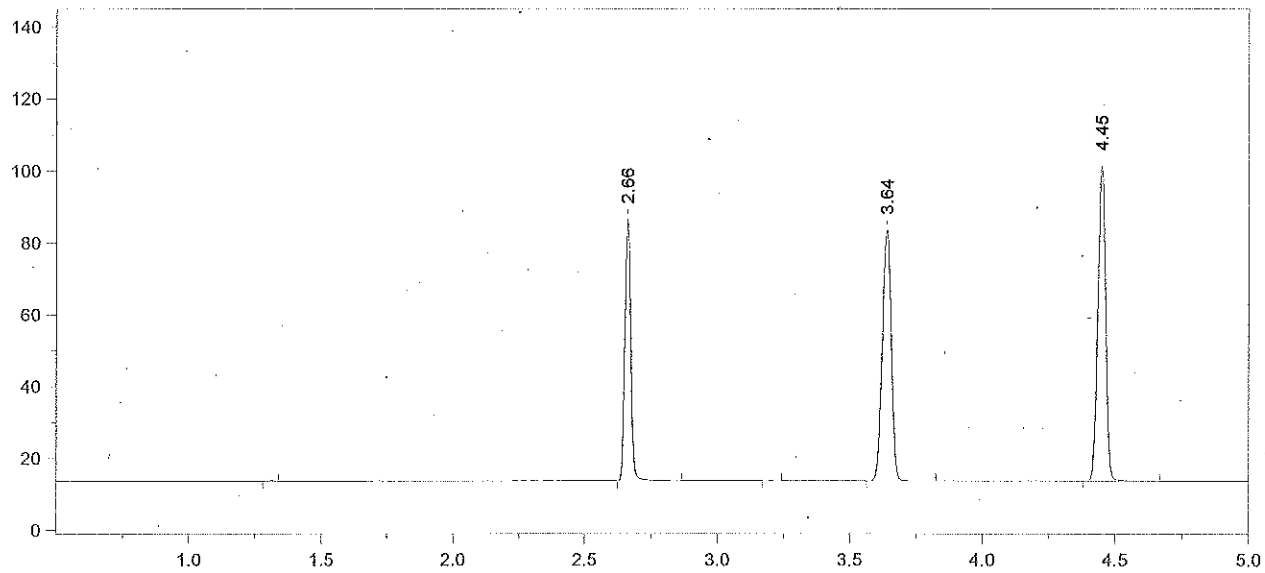
Avg #19 + #20 = 0.082
RLM 4/8/13



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:16:13 PM
Bound File Name = SIM04052013.0021.RAW
Sample Name = ALB 0.1
Date Taken = 4/5/2013 4:00:28 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

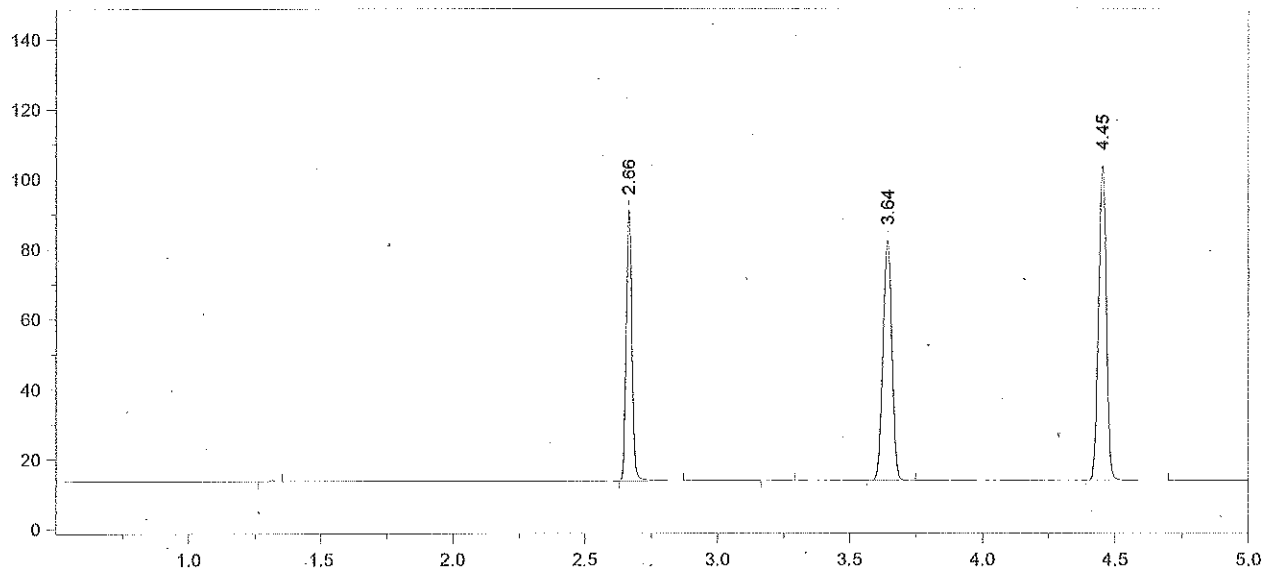
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	123979	0.1192	0.0973
4	3.64	t-Butanol	168999	0.9861	0.8049
5	4.45	n-Propanol	203387	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:16:20 PM
Bound File Name = SIM04052013.0022.RAW
Sample Name = ALB 0.1
Date Taken = 4/5/2013 4:18:15 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

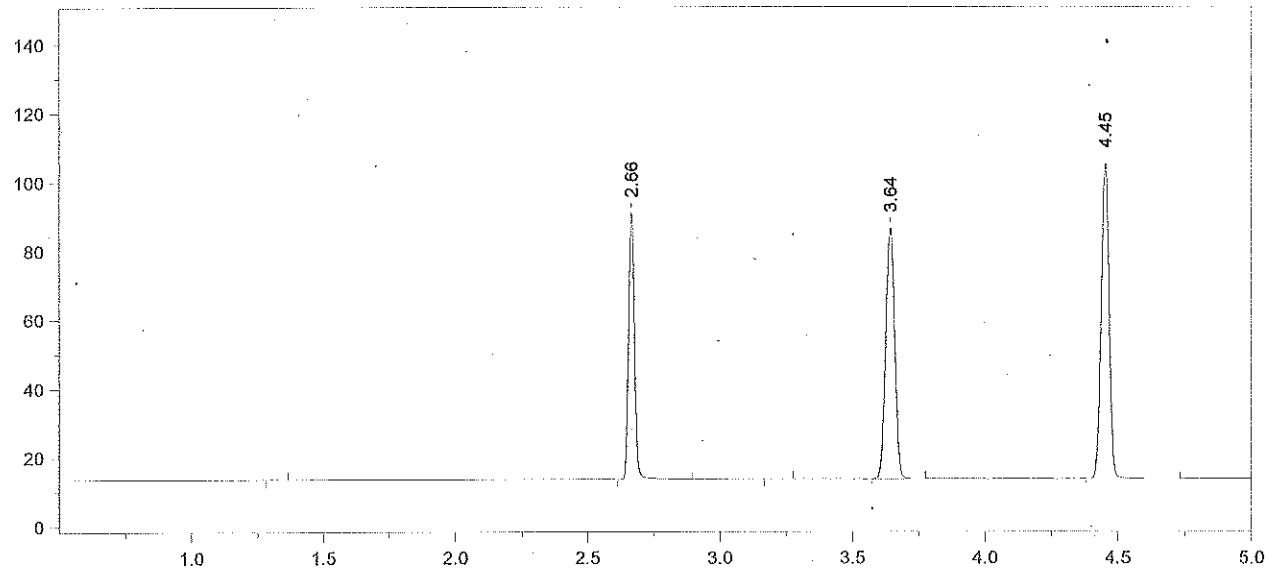
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112756	0.1189	0.0971
4	3.64	t-Butanol	161931	1.0371	0.8465
5	4.45	n-Propanol	185312	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:16:28 PM
Bound File Name = SIM04052013.0023.RAW
Sample Name = ALB 0.1
Date Taken = 4/5/2013 4:31:50 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

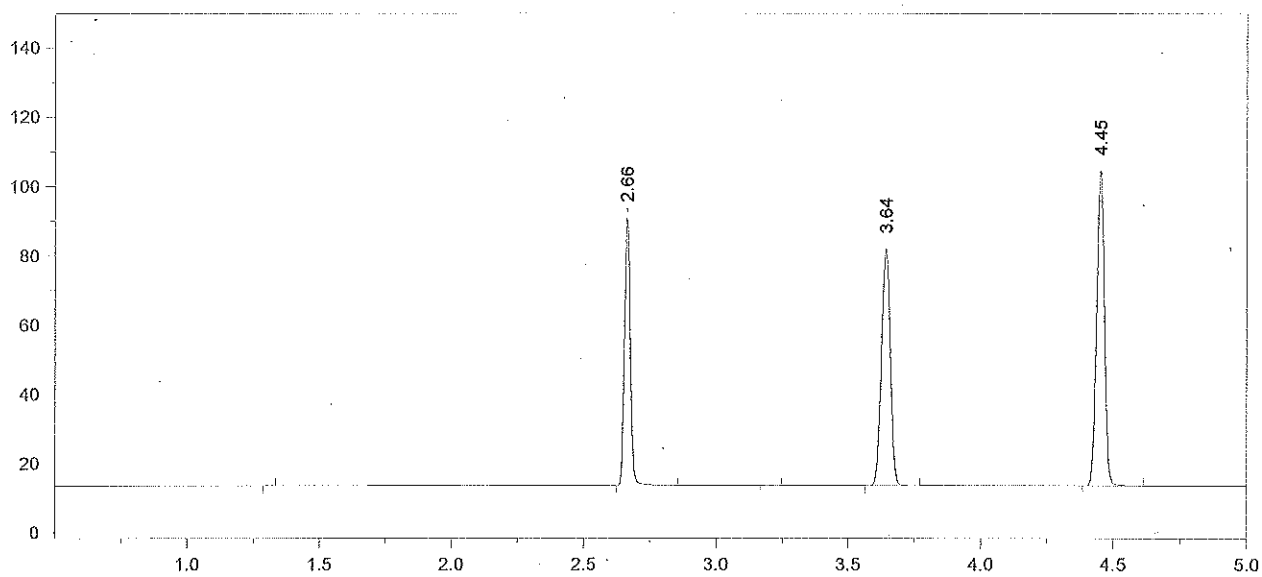
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119443	0.1217	0.0993
4	3.64	t-Butanol	158031	0.9777	0.7980
5	4.45	n-Propanol	191825	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:16:35 PM
Bound File Name = SIM04052013.0024.RAW
Sample Name = ALB 0.1
Date Taken = 4/5/2013 4:49:38 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

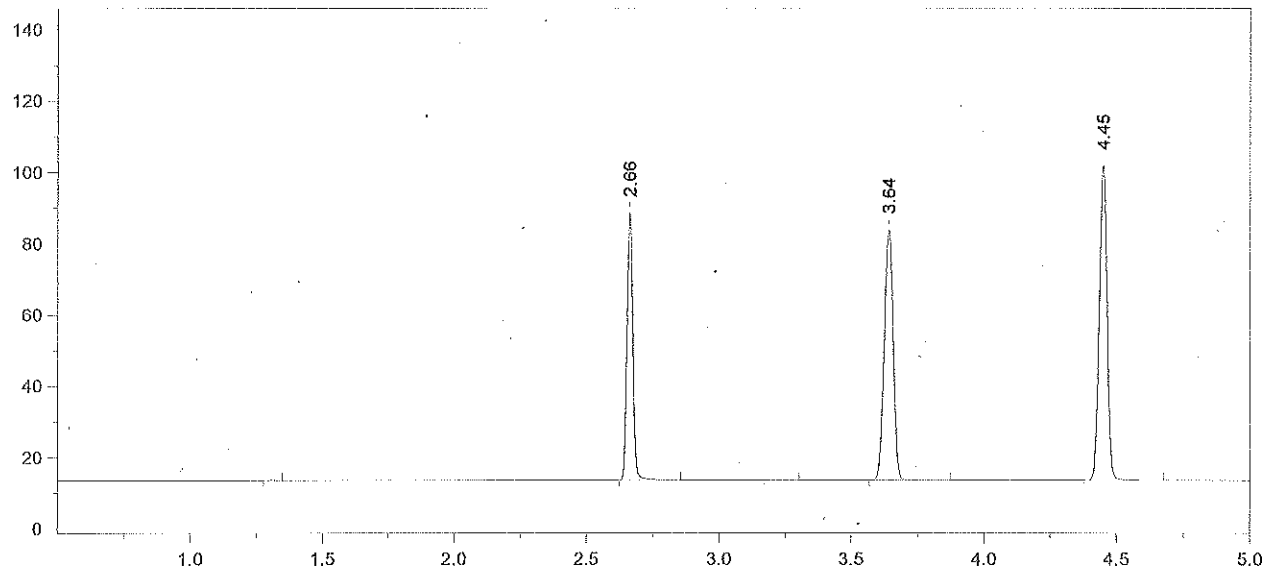
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119902	0.1201	0.0980
4	3.64	t-Butanol	168639	1.0256	0.8371
5	4.45	n-Propanol	195139	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:16:44 PM
Bound File Name = SIM04052013.0025.RAW
Sample Name = ALB 0.1
Date Taken = 4/5/2013 5:02:57 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

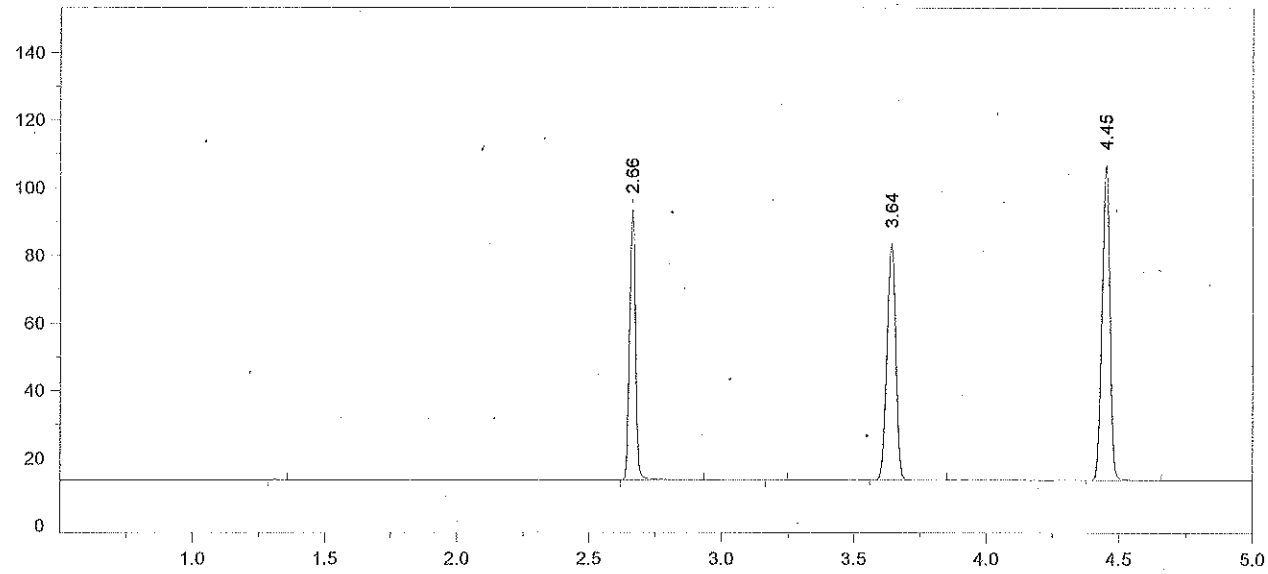
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118591	0.1205	0.0983
4	3.64	t-Butanol	157838	0.9736	0.7947
5	4.45	n-Propanol	192395	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:16:53 PM
Bound File Name = SIM04052013.0026.RAW
Sample Name = ALB 0.1
Date Taken = 4/5/2013 5:21:03 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

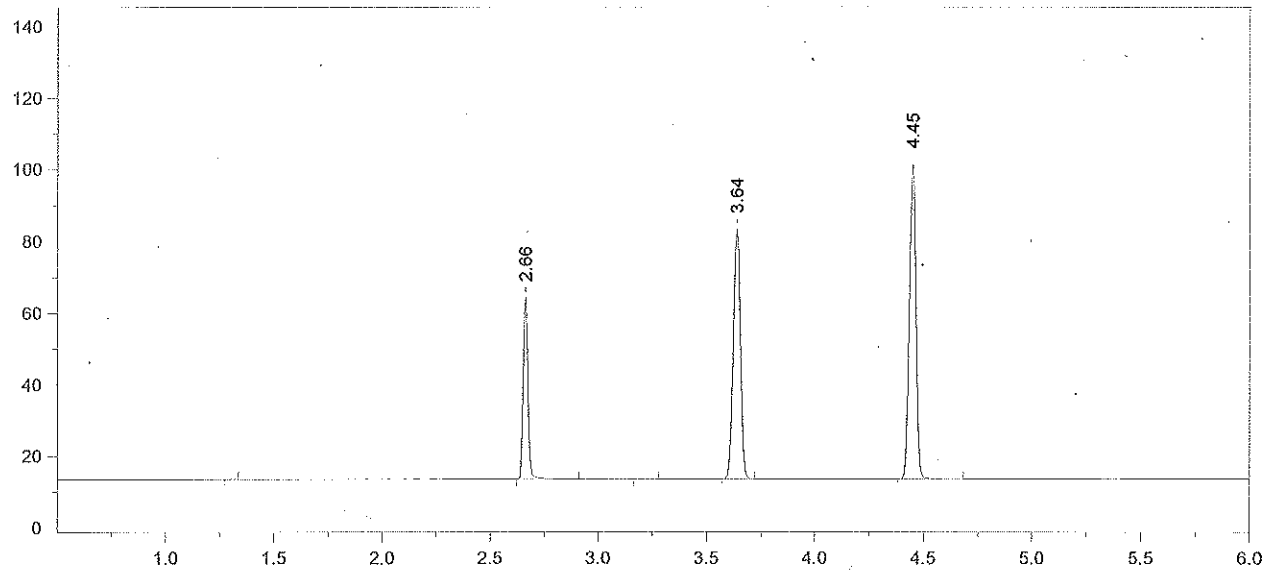
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	114838	0.1199	0.0979
4	3.64	t-Butanol	162528	1.0305	0.8411
5	4.45	n-Propanol	187180	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/8/2013 Today's Time = 3:16:59 PM
Bound File Name = SIM04052013.0027.RAW
Sample Name = ALB 0.1
Date Taken = 4/5/2013 5:34:18 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04052013.CAL Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	123000	0.1223	0.0998
4	3.64	t-Butanol	161266	0.9735	0.7945
5	4.45	n-Propanol	196608	1.0000	0.8162



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Today's Time = 3:17:06 PM
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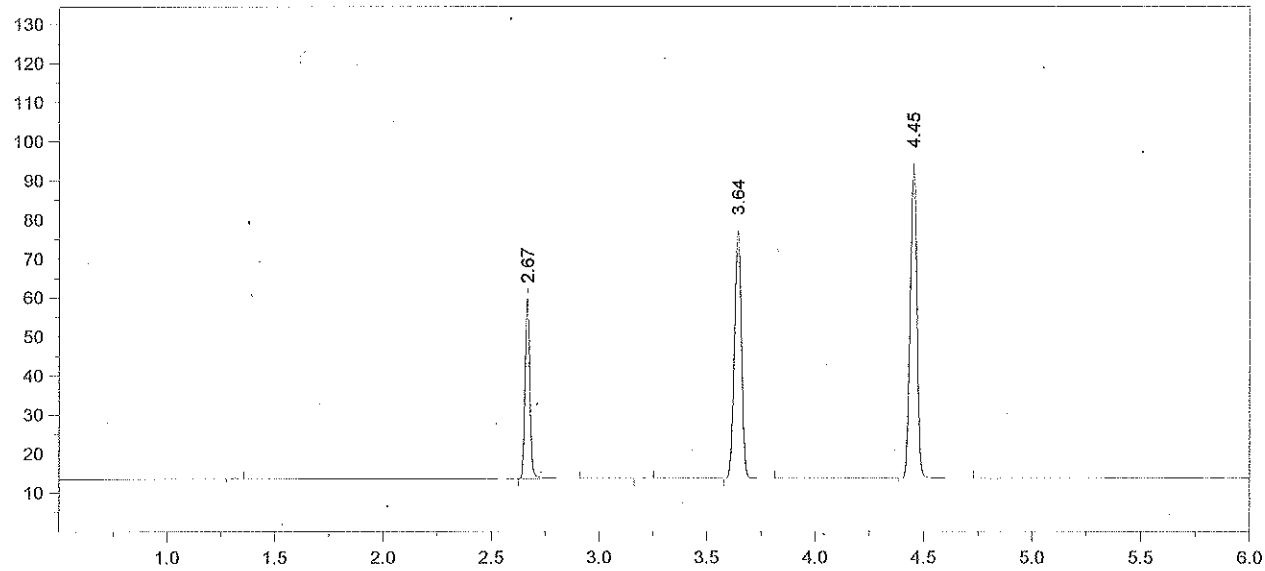
Sample Name = CCS
Date Taken = 4/5/2013 5:52:30 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	78922	0.0828
4	3.64	t-Butanol	161066	1.0258
5	4.45	n-Propanol	186344	1.0000



Format File Name = AlcoholVFL.FMT

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Today's Time = 3:17:13 PM
Bound File Name = SIM04052013.0029.RAW
Sample Name = CCS
Date Taken = 4/5/2013 6:06:15 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM04052013.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	71589	0.0822
4	3.64	t-Butanol	146243	1.0196
5	4.45	n-Propanol	170232	1.0000

Avg #28 + #29 = 0.082
RZM 4/8/13