VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster External Standard Solution

On 11/21/2012, 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 12-89-100 and an expiration date of 11/21/2013.

On 11/26/2012 and 11/28/2012, the solution was analyzed against calibration VFL11262012 and VFL11282012. 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 0.097 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Waterbury, Vermont on Thursday, November 29, 2012.

Rebecca Mead

Rebecca Mead

0.1 External Standard Solution 20L
Lot # 12-89-100
Prepared 11/21/2012 by RLM
Exp 11/21/2013

TLC CAL VFL11262012
TLC/RLM Vials
Analyzed on 11/26/2012

0.0979 tlc
0.1015
0.0983
0.1005
0.0981
0.1016
0.0989
0.0986 rlm
0.0960
0.0988
0.0966
0.0981
0.0957
0.0983

Ave. = 0.0985
Std Dev. = 0.0018
Range = 0.0957-0.1016

RLM CAL VFL11282012
RLM/TLC Vials
Analyzed on 11/28/2012

0.0954 rlm
0.0982
0.0956
0.0987
0.0959
0.0971
0.0952
0.0969 tlc
0.0936
0.0962
0.0947
0.0963
0.0942
0.0967

Ave. = 0.0961
Std Dev. = 0.0014
Range = 0.0936-0.0987

Total Values from Both Runs

Average	Mean
0.0979	0.0936
0.1015	0.0942
0.0983	0.0947
0.1005	0.0952
0.0981	0.0954
0.1016	0.0956
0.0989	0.0957
0.0986	0.0959
0.0960	0.0960
0.0988	0.0962
0.0966	0.0963
0.0981	0.0966
0.0957	0.0967
0.0983	0.0969
0.0954	0.0971
0.0982	0.0979
0.0956	0.0981
0.0987	
0.0959	0.0982
0.0971	0.0983
0.0952	
0.0969	0.0986
0.0936	0.0987
0.0962	0.0988
0.0947	0.0989
0.0963	0.1005
0.0942	0.1015
0.0967	0.1016

Ave. =	0.0973
Avg Std Dev. =	0.0020
Mean =	0.0972
Mean Std Dev. =	0.0021
Range =	0.0936-0.1016
RPD =	8.22%

11/29/2012

Headspace Alcohol Analysis Standards Coversheet

Analyst: TLC Date: 11/26/12

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 (c)
% Ethanol (w/v)	0.006	0.024	0.081	0.200	0.403	
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	
	0.005	0.022	0.073	0.180	0.363	

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		0.006	(Y) N	
4	Standard B		0.023	(Y) N	
5	Standard C		0.082	(Y) N	
6	Standard D		0.196	(Y) N	
7	Standard E		0.405	(Y) N	
~~8~~ 20 RRM 11/28/12	Aqueous QC		0.0779	(Y) N	AVG = 0.079 ✓
~~9~~ 21 RRM 11/28/12	Aqueous QC		0.0800	(Y) N	

TLC 11/29/2012

File Name: C:\Methods\VFL11262012.CAL
Version: 1

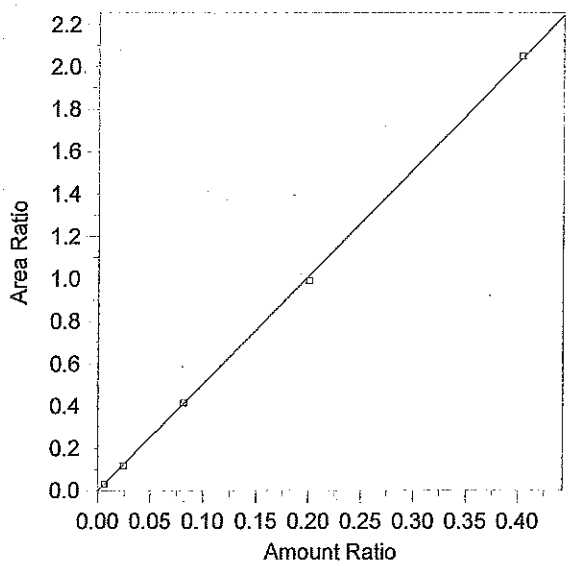
Creator:
Description:
Reason for change:

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: 2.666 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

$Y = 5.056379 X + 0$

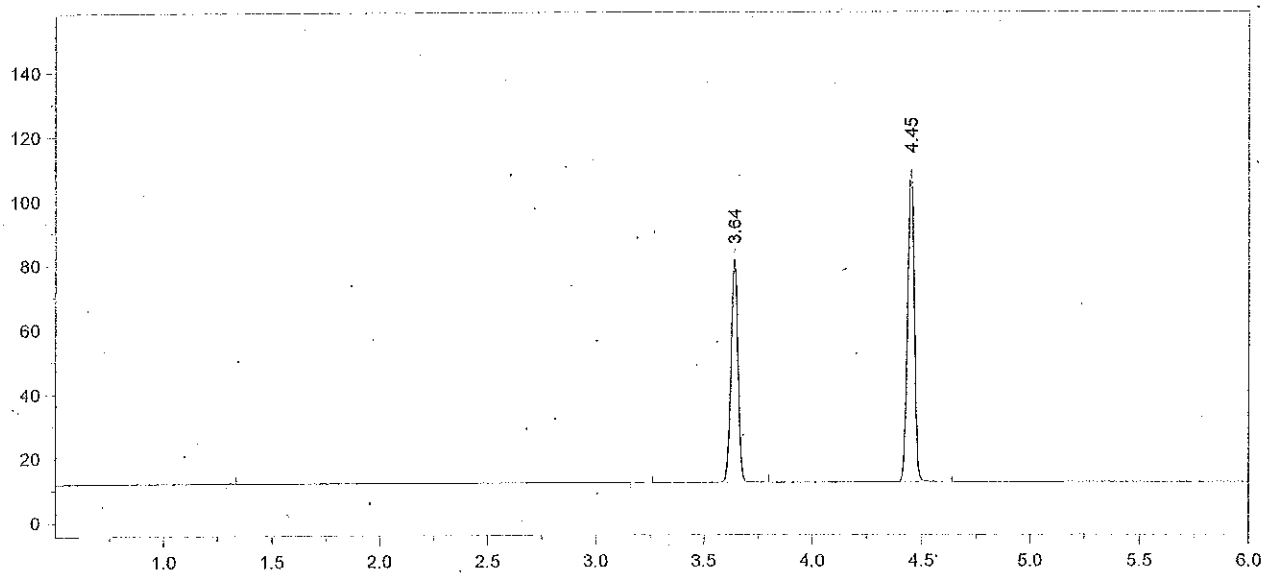
Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9997526
Average error: 1.843%
Average CF: 5.037199
RSD: 2.390%

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	5771.618	961936.4	2.639	0.006	3.113886E-02	C:\Alcohol Data\VFL11262012\VFL11262012.0003.BND	11/27/2012 8:06:04 AM
3	0.0242	22451.04	927728.9	-3.270	0.0242	0.1183631	C:\Alcohol Data\VFL11262012\VFL11262012.0004.BND	11/27/2012 8:06:12 AM
4	0.0813	76050.97	935436.3	0.462	0.0813	0.4129822	C:\Alcohol Data\VFL11262012\VFL11262012.0005.BND	11/27/2012 8:06:18 AM
5	0.2004	184880.7	922558.4	-2.285	0.2004	0.9901473	C:\Alcohol Data\VFL11262012\VFL11262012.0006.BND	11/27/2012 8:06:24 AM
6	0.403	376492.5	934224.6	0.557	0.403	2.049078	C:\Alcohol Data\VFL11262012\VFL11262012.0007.BND	11/27/2012 8:06:30 AM

File Name = C:\Alcohol Data\VFL11262012\VFL11262012.SEQ
Version = 1
File Date = 11/26/2012 1:26:04 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL11262012.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	VFL11262012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	VFL11262012.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	VFL11262012.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	VFL11262012.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	VFL11262012.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	VFL11262012.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	VFL11262012.0008.raw	Blood Alc New VFL.MET	WB	1.00	1.00
9	VFL11262012.0009.raw	Blood Alc New VFL.MET	WB	1.00	1.00
10	VFL11262012.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	VFL11262012.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	VFL11262012.0012.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
13	VFL11262012.0013.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
14	VFL11262012.0014.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
15	VFL11262012.0015.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
16	VFL11262012.0016.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
17	VFL11262012.0017.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
18	VFL11262012.0018.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
19	VFL11262012.0019.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
20	VFL11262012.0020.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
21	VFL11262012.0021.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
22	VFL11262012.0022.raw	simsoln.met	TLC 0.1	1.00	1.00
23	VFL11262012.0023.raw	simsoln.met	TLC 0.1	1.00	1.00
24	VFL11262012.0024.raw	simsoln.met	TLC 0.1	1.00	1.00
25	VFL11262012.0025.raw	simsoln.met	TLC 0.1	1.00	1.00
26	VFL11262012.0026.raw	simsoln.met	TLC 0.1	1.00	1.00
27	VFL11262012.0027.raw	simsoln.met	TLC 0.1	1.00	1.00
28	VFL11262012.0028.raw	simsoln.met	TLC 0.1	1.00	1.00
29	VFL11262012.0029.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
30	VFL11262012.0030.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
31	VFL11262012.0031.raw	simsoln.met	RLM 0.1	1.00	1.00
32	VFL11262012.0032.raw	simsoln.met	RLM 0.1	1.00	1.00
33	VFL11262012.0033.raw	simsoln.met	RLM 0.1	1.00	1.00
34	VFL11262012.0034.raw	simsoln.met	RLM 0.1	1.00	1.00
35	VFL11262012.0035.raw	simsoln.met	RLM 0.1	1.00	1.00
36	VFL11262012.0036.raw	simsoln.met	RLM 0.1	1.00	1.00
37	VFL11262012.0037.raw	simsoln.met	RLM 0.1	1.00	1.00
38	VFL11262012.0038.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
39	VFL11262012.0039.raw	Blood Alc New VFL.MET	CCS	1.00	1.00

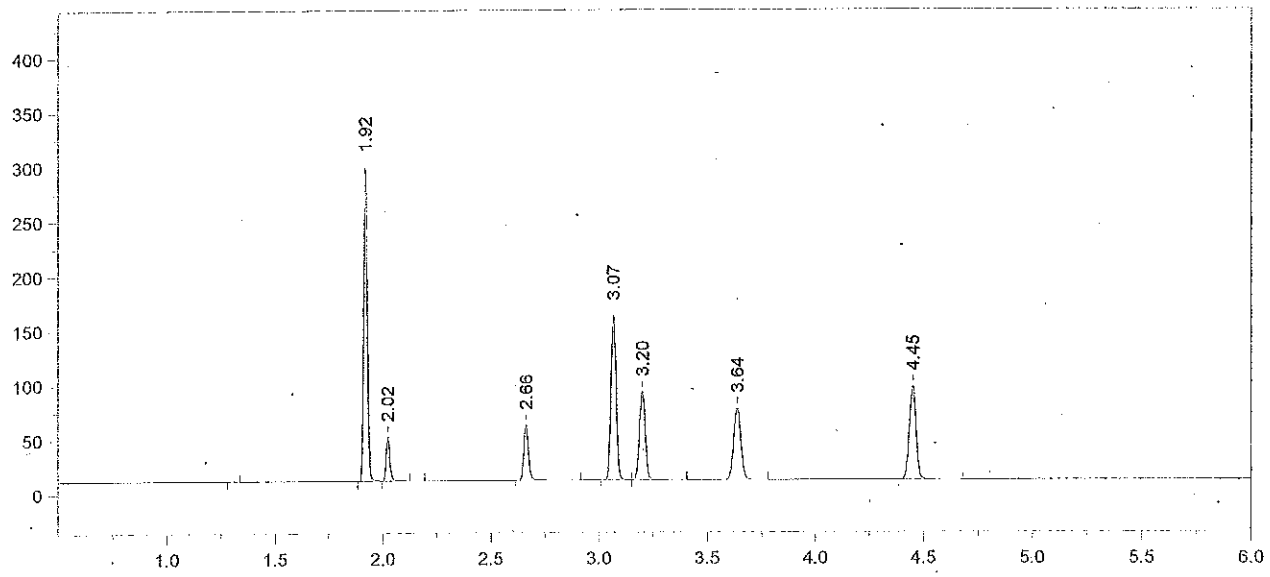
casework not included RZM 11/28/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:10:36 AM
Bound File Name = VFL11262012.0001.RAW
Sample Name = Blank
Date Taken = 11/26/2012 2:02:38 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

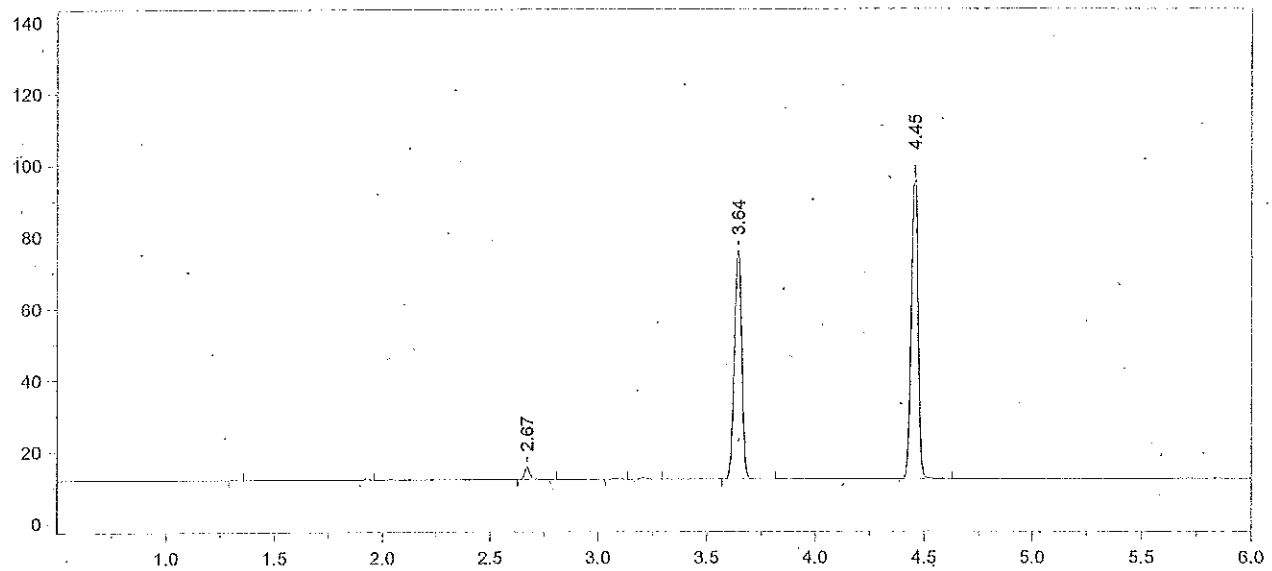
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.64	t-Butanol	159794	0.9466
4	4.45	n-Propanol	206519	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:10:50 AM
Bound File Name = VFL11262012.0002.RAW
Sample Name = TMX
Date Taken = 11/26/2012 2:19:51 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

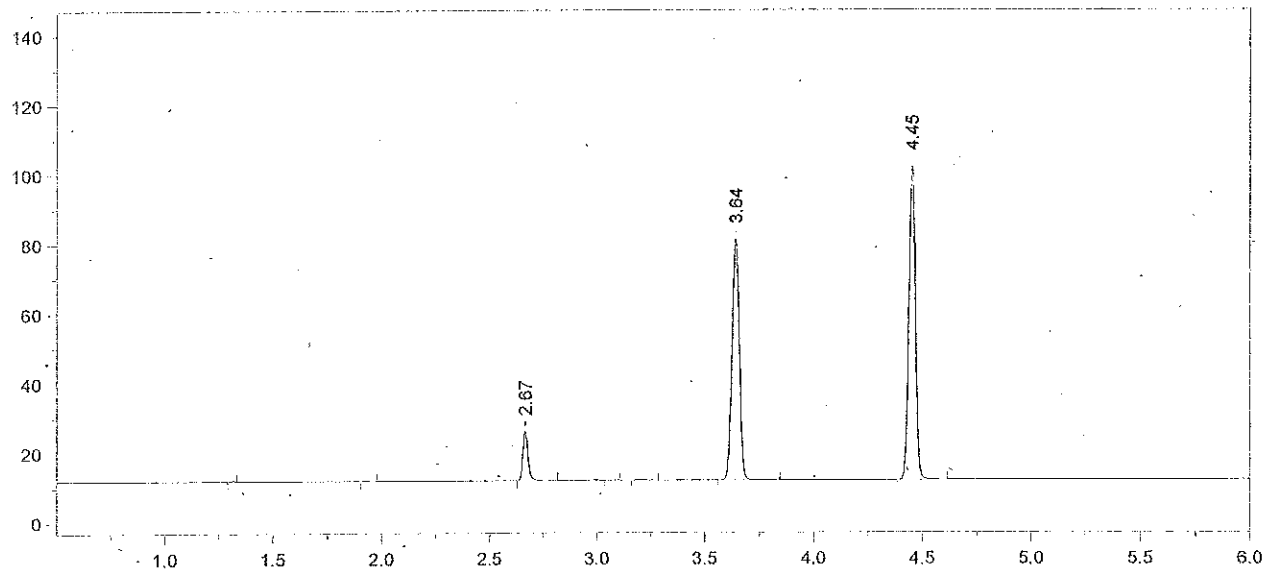
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	332465	0.0720
3	2.02	Methanol	49634	0.1210
4	2.66	Ethanol	78350	0.0857
5	3.07	Acetone	255038	0.0690
6	3.20	Isopropanol	151097	0.0830
7	3.64	t-Butanol	151199	1.0225
8	4.45	n-Propanol	180896	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:11:02 AM
Bound File Name = VFL11262012.0003.RAW
Sample Name = STD A
Date Taken = 11/26/2012 2:32:59 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

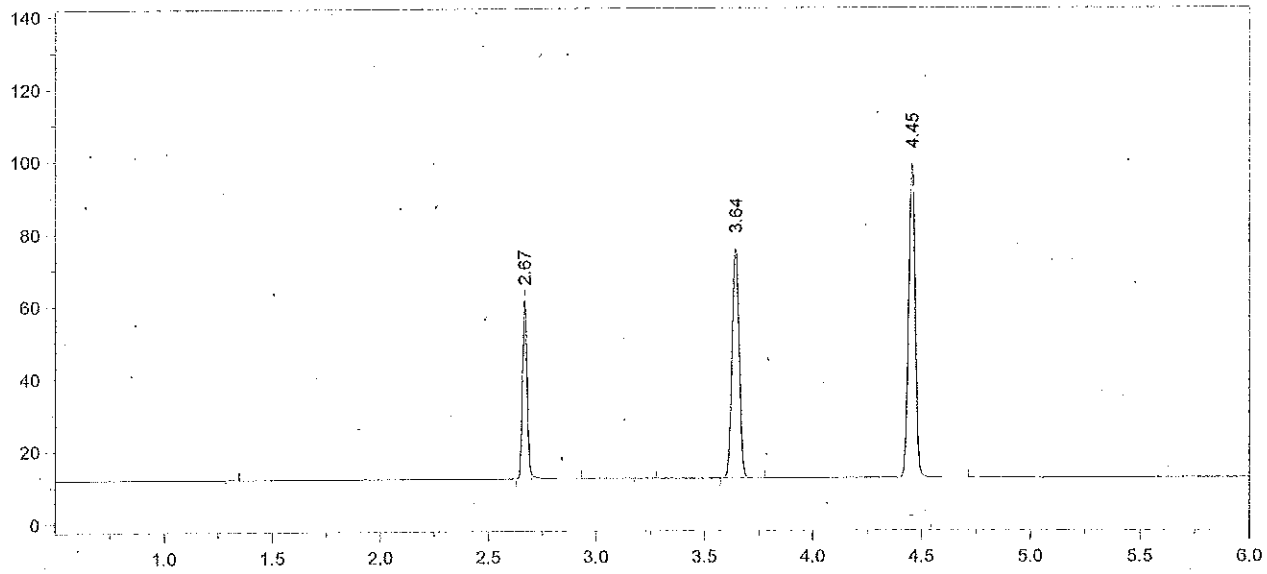
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	05772	0.0062 *
6	3.64	t-Butanol	147209	0.9716
7	4.45	n-Propanol	185351	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:11:11 AM
Bound File Name = VFL11262012.0004.RAW
Sample Name = STD B
Date Taken = 11/26/2012 2:51:16 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

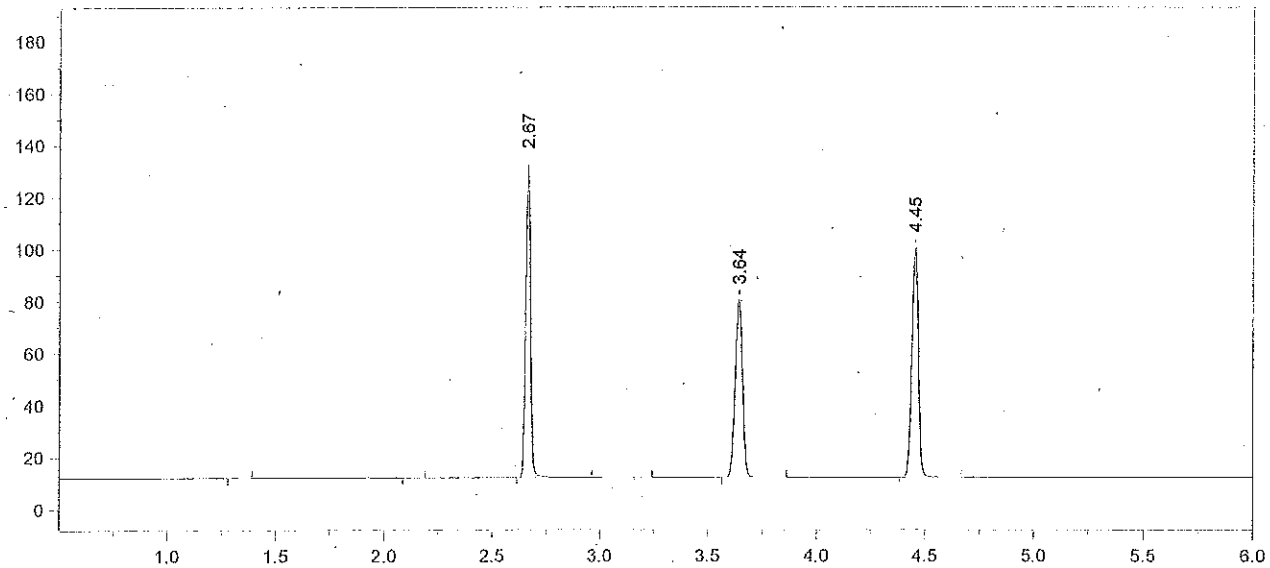
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	22451	0.0234
6	3.64	t-Butanol	159633	1.0296
7	4.45	n-Propanol	189679	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:11:21 AM
Bound File Name = VFL11262012.0005.RAW
Sample Name = STD C
Date Taken = 11/26/2012 3:05:01 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

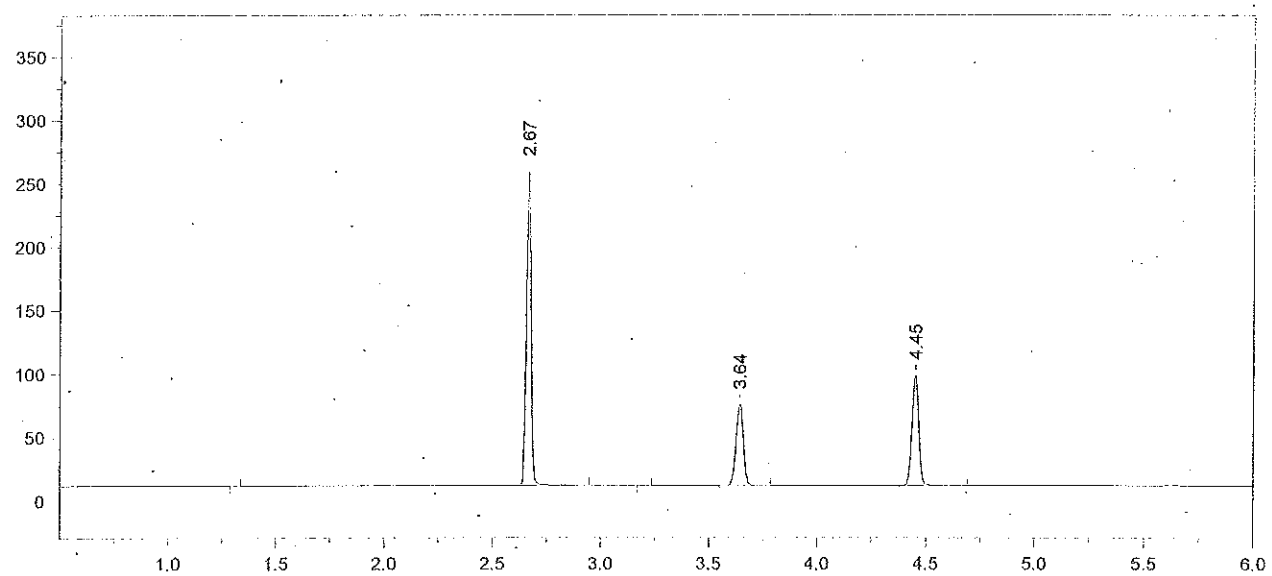
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	76051	0.0817
4	3.64	t-Butanol	145707	0.9680
5	4.45	n-Propanol	184151	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:11:32 AM
Bound File Name = VFL11262012.0006.RAW
Sample Name = STD D
Date Taken = 11/26/2012 3:22:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

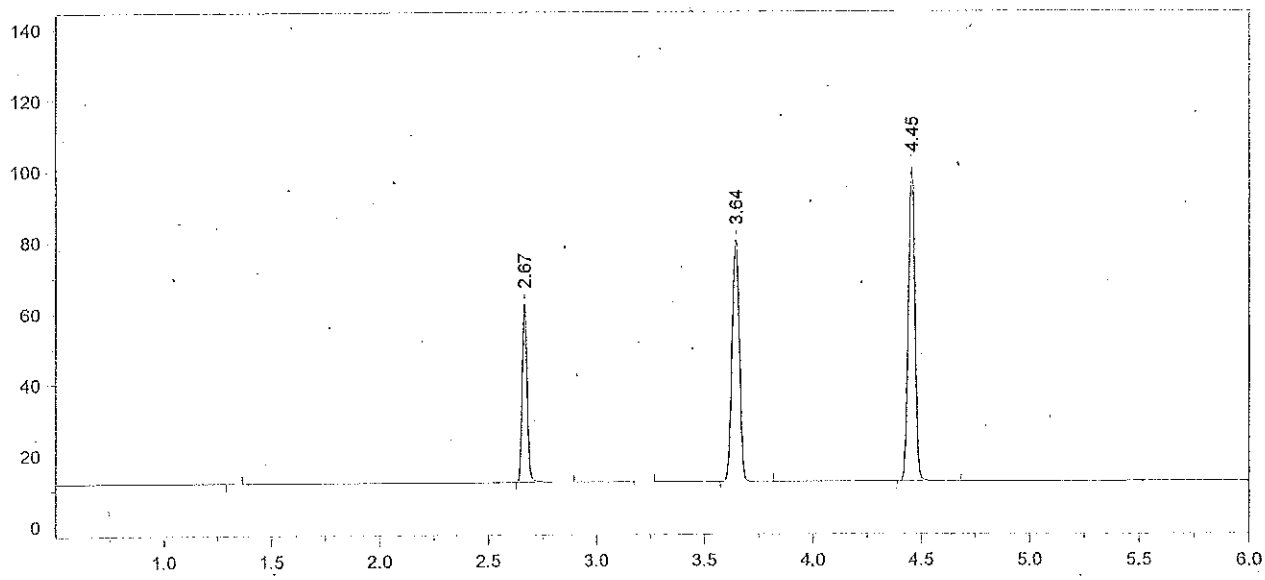
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	184881	0.1958
5	3.64	t-Butanol	156945	1.0283
6	4.45	n-Propanol	186720	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:11:42 AM
Bound File Name = VFL11262012.0007.RAW
Sample Name = STD E
Date Taken = 11/26/2012 3:37:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

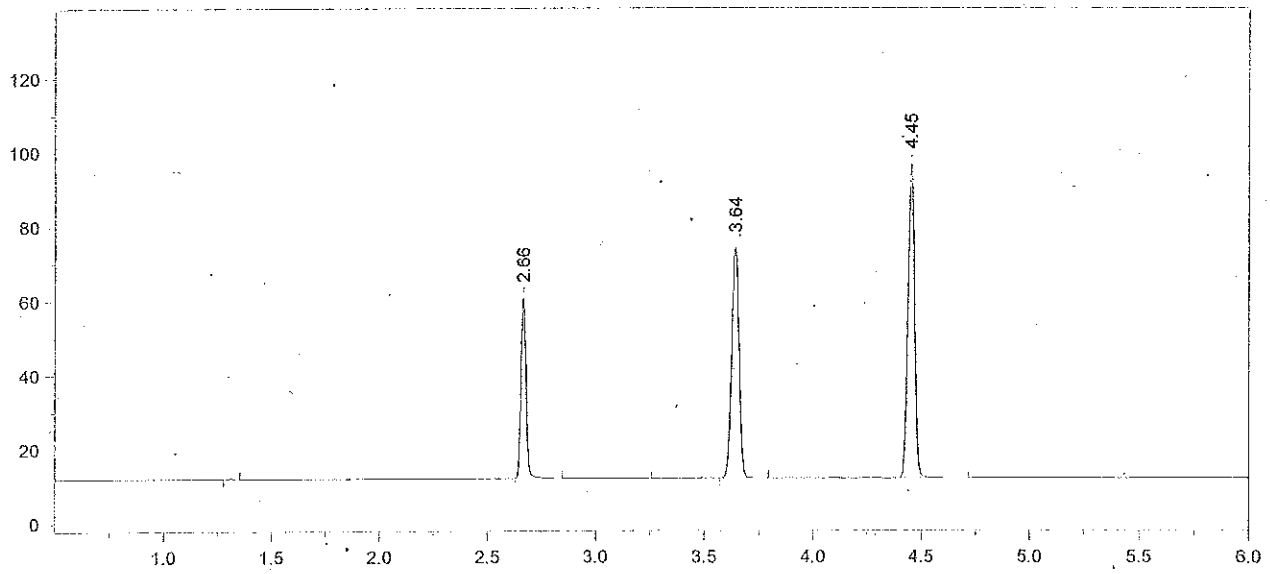
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	376493	0.4052 *
4	3.64	t-Butanol	147173	0.9799
5	4.45	n-Propanol	183738	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:13:34 AM
Bound File Name = VFL11262012.0018.RAW
Sample Name = CCS
Date Taken = 11/26/2012 6:29:38 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	77649	0.0818
4	3.64	t-Butanol	156912	1.0227
5	4.45	n-Propanol	187702	1.0000

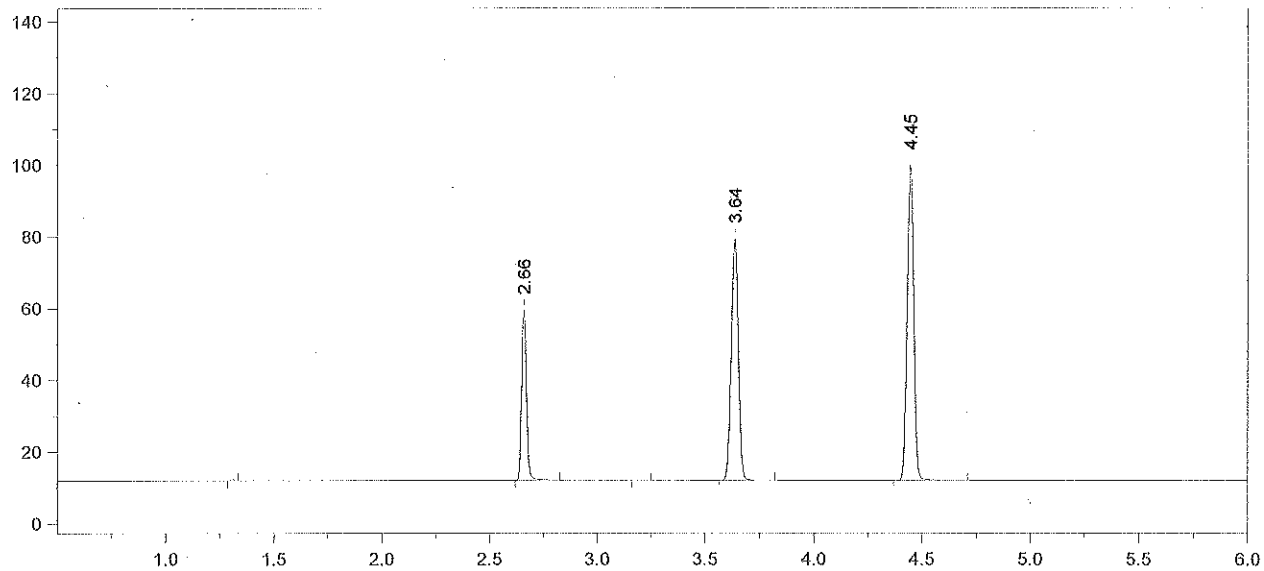


Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:13:45 AM
Bound File Name = VFL11262012.0019.RAW
Sample Name = CCS
Date Taken = 11/26/2012 6:43:56 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75643	0.0832 *
4	3.64	t-Butanol	143670	0.9775
5	4.45	n-Propanol	179807	1.0000

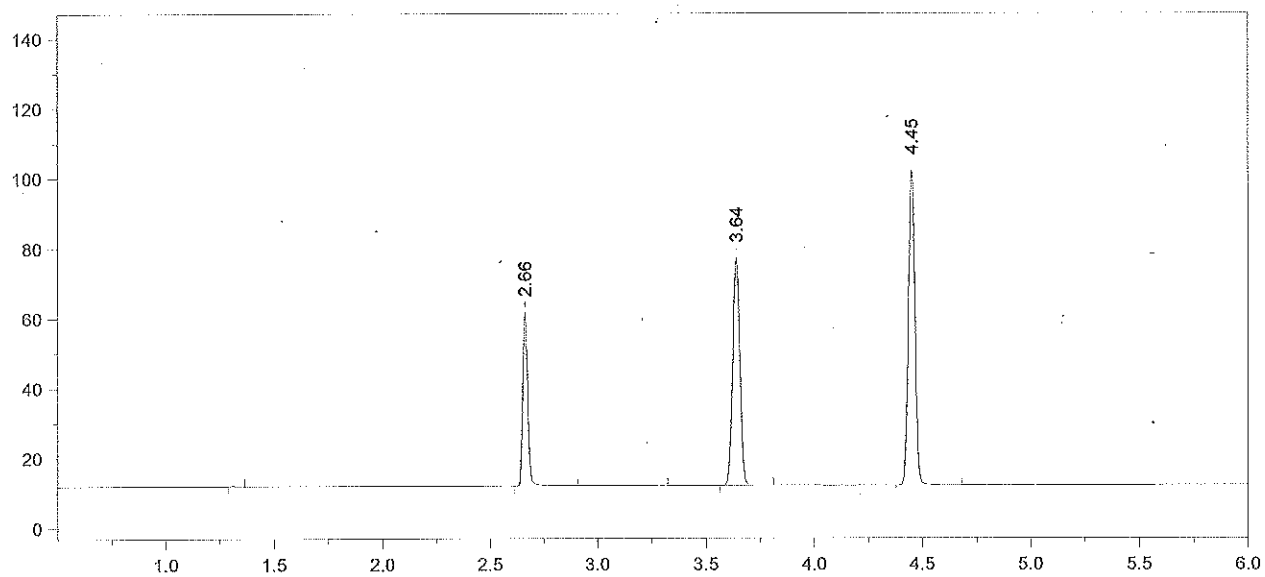
CCS AVG = 0.082
(VIAL # 18 & #19)



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:13:55 AM
Bound File Name = VFL11262012.0020.RAW
Sample Name = AQ QC
Date Taken = 11/26/2012 7:01:03 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	73082	0.0779
4	3.64	t-Butanol	155332	1.0237
5	4.45	n-Propanol	185634	1.0000



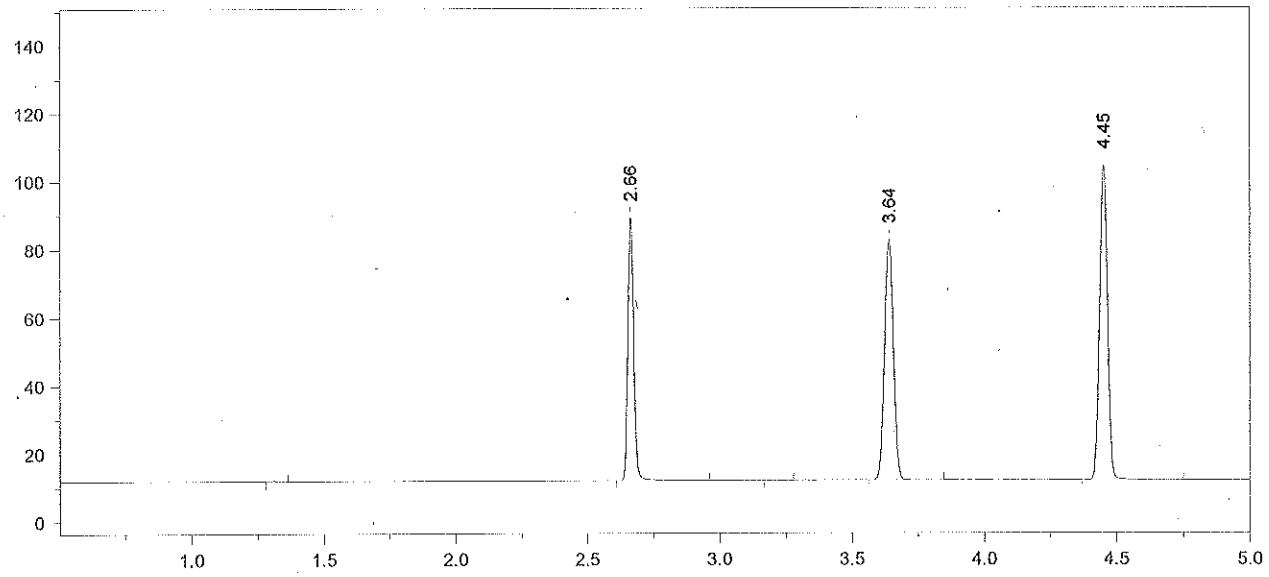
Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:14:05 AM
Bound File Name = VFL11262012.0021.RAW
Sample Name = AQ QC
Date Taken = 11/26/2012 7:14:43 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77013	0.0800
4	3.64	t-Butanol	150162	0.9646
5	4.45	n-Propanol	190441	1.0000

Avg #20 + #21 = 0.079

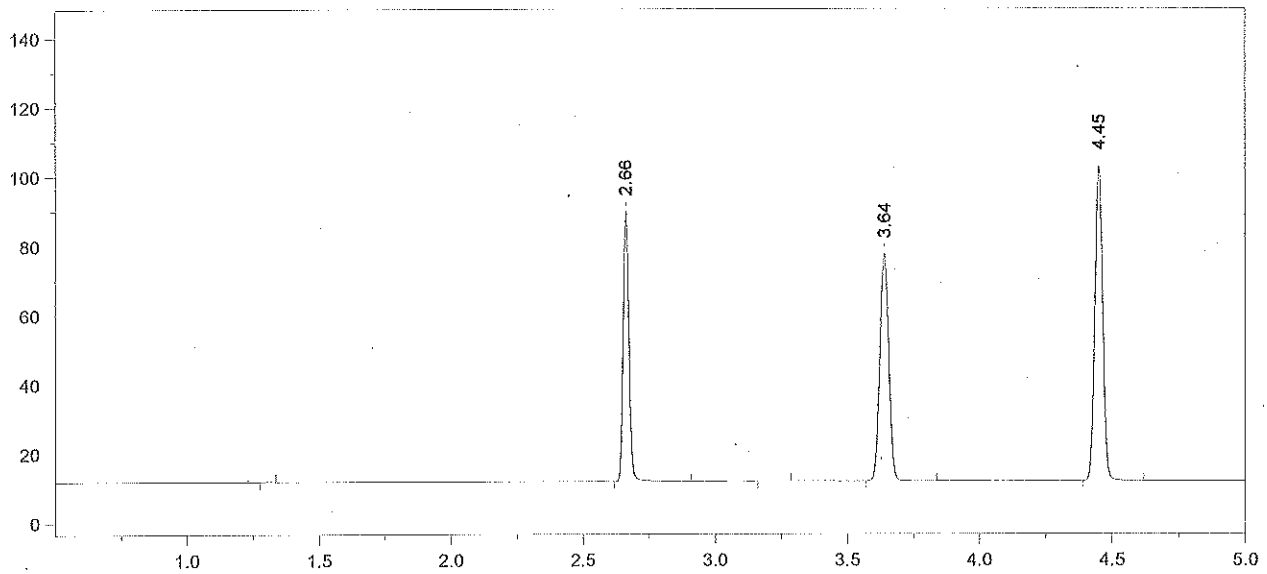
RLM 11/28/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:14:15 AM
Bound File Name = VFL11262012.0022.RAW
Sample Name = TLC 0.1
Date Taken = 11/26/2012 7:32:25 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

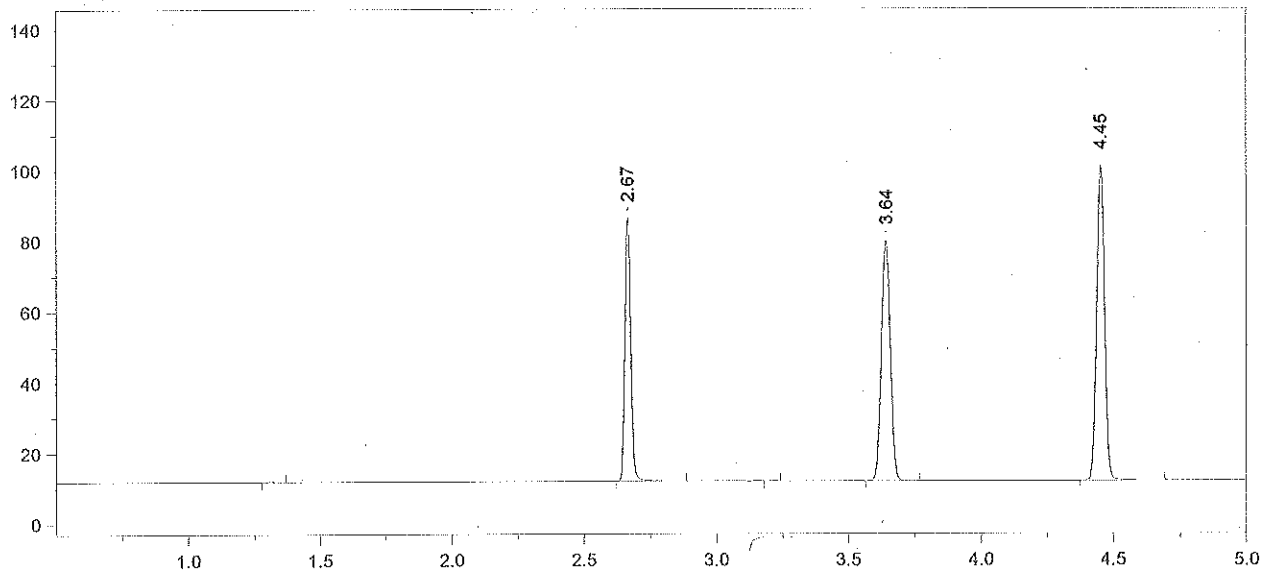
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119093	0.1200	0.0979
4	3.64	t-Butanol	163029	1.0161	0.8293
5	4.45	n-Propanol	196287	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:14:25 AM
Bound File Name = VFL11262012.0023.RAW
Sample Name = TLC 0.1
Date Taken = 11/26/2012 7:46:10 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

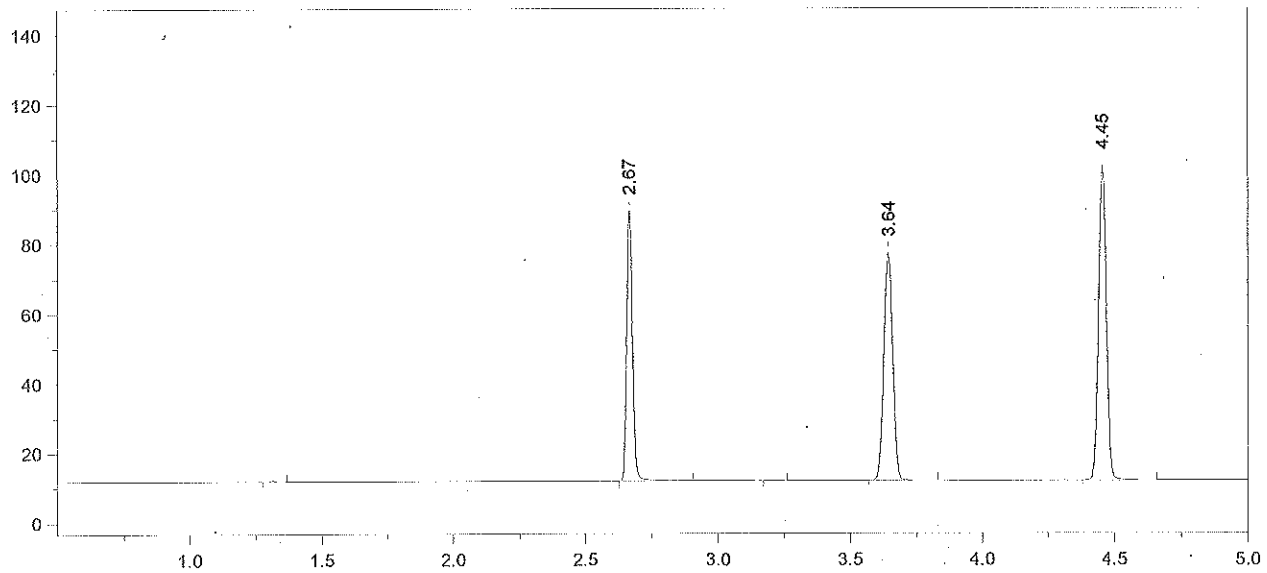
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120537	0.1244	0.1015
4	3.64	t-Butanol	150862	0.9629	0.7860
5	4.45	n-Propanol	191665	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:14:34 AM
Bound File Name = VFL11262012.0024.RAW
Sample Name = TLC 0.1
Date Taken = 11/26/2012 8:02:11 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

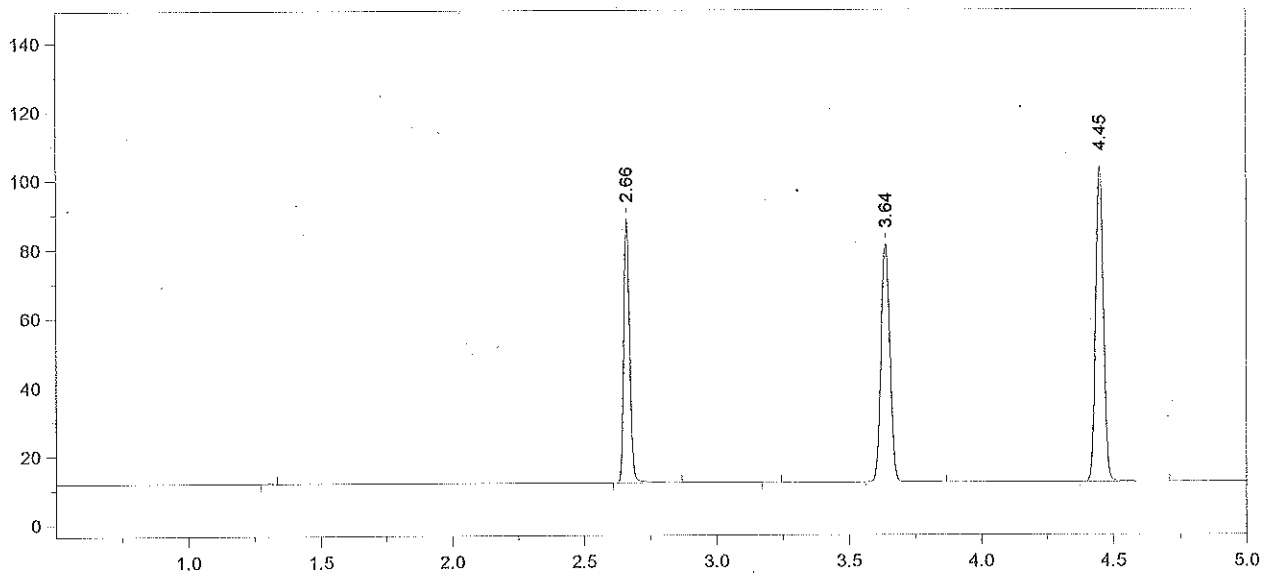
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	115163	0.1204	0.0983
4	3.64	t-Butanol	156766	1.0142	0.8278
5	4.45	n-Propanol	189094	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:14:42 AM
Bound File Name = VFL11262012.0025.RAW
Sample Name = TLC 0.1
Date Taken = 11/26/2012 8:17:04 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

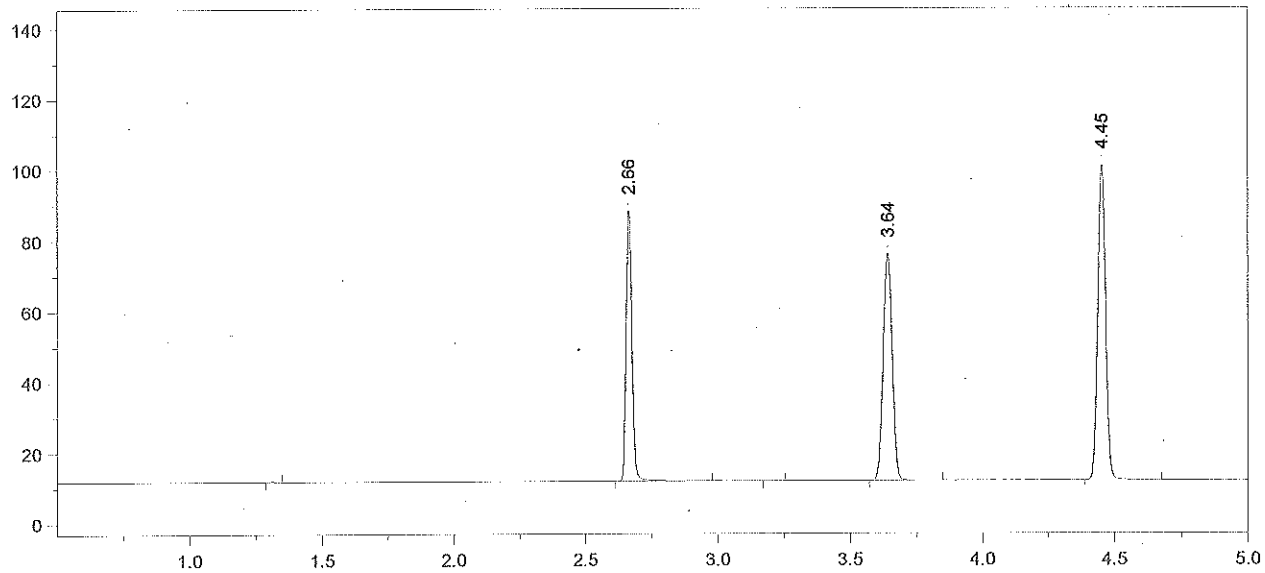
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	119178	0.1232	0.1005
4	3.64	t-Butanol	150569	0.9627	0.7858
5	4.45	n-Propanol	191339	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:14:51 AM
Bound File Name = VFL11262012.0026.RAW
Sample Name = TLC 0.1
Date Taken = 11/26/2012 8:32:03 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

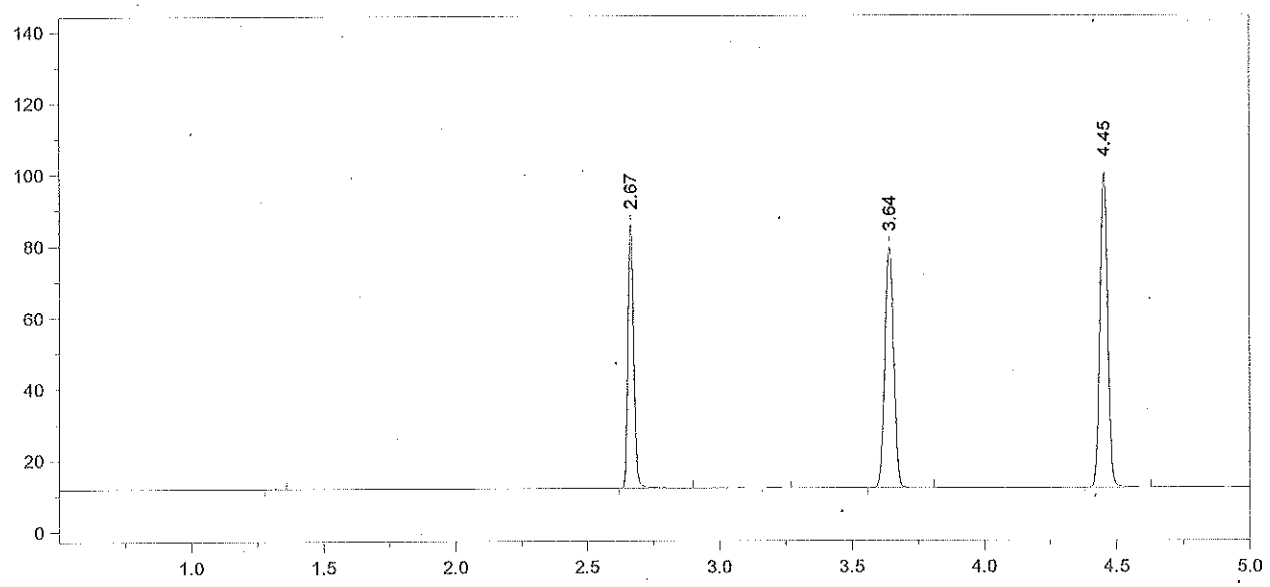
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118187	0.1202	0.0981
4	3.64	t-Butanol	160384	1.0087	0.8233
5	4.45	n-Propanol	194517	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:15:01 AM
Bound File Name = VFL11262012.0027.RAW
Sample Name = TLC 0.1
Date Taken = 11/26/2012 8:47:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

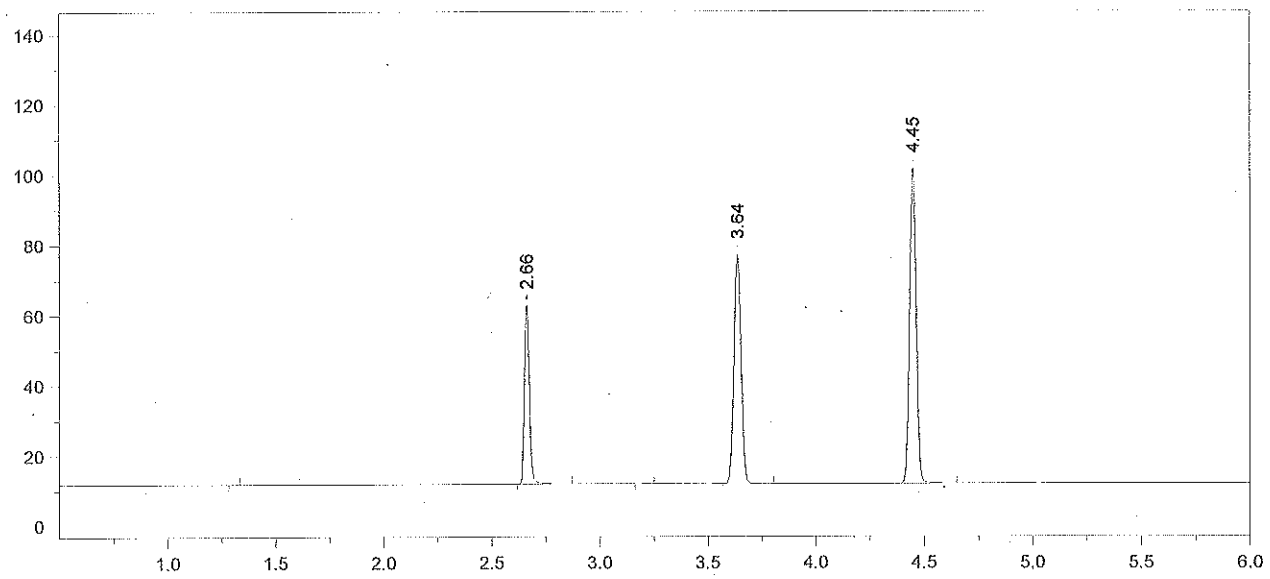
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118765	0.1244	0.1016
4	3.64	t-Butanol	149074	0.9663	0.7887
5	4.45	n-Propanol	188739	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:15:10 AM
Bound File Name = VFL11262012.0028.RAW
Sample Name = TLC 0.1
Date Taken = 11/26/2012 9:03:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

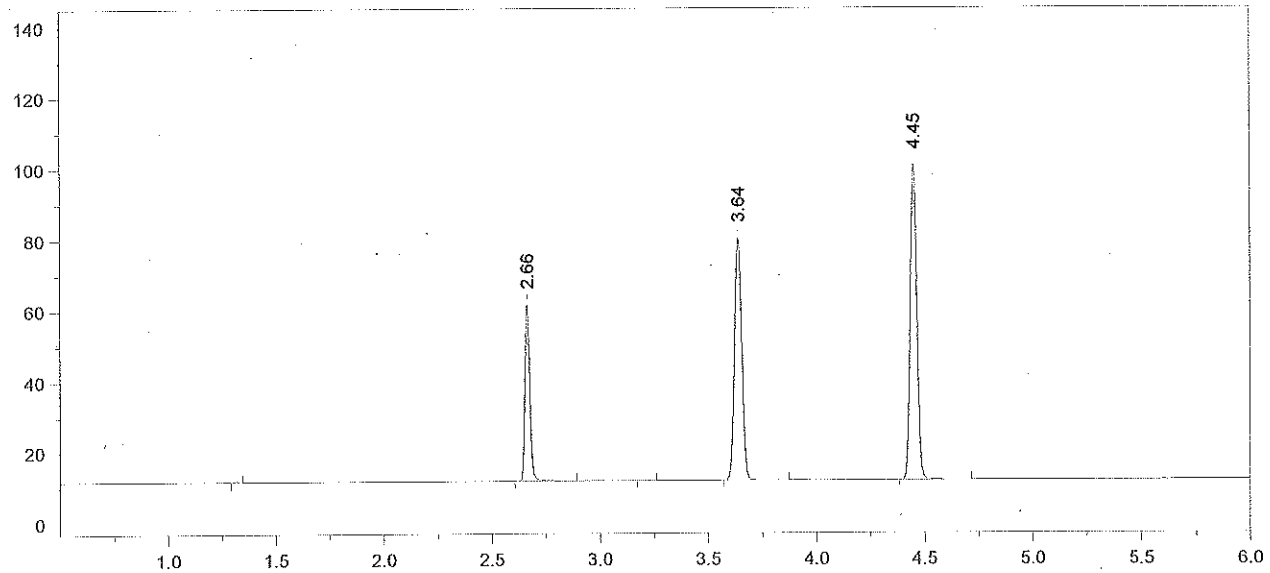
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	114375	0.1211	0.0989
4	3.64	t-Butanol	155930	1.0216	0.8338
5	4.45	n-Propanol	186726	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:15:19 AM
Bound File Name = VFL11262012.0029.RAW
Sample Name = CCS
Date Taken = 11/26/2012 9:17:50 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	79609	0.0831
4	3.64	t-Butanol	150555	0.9727
5	4.45	n-Propanol	189365	1.0000



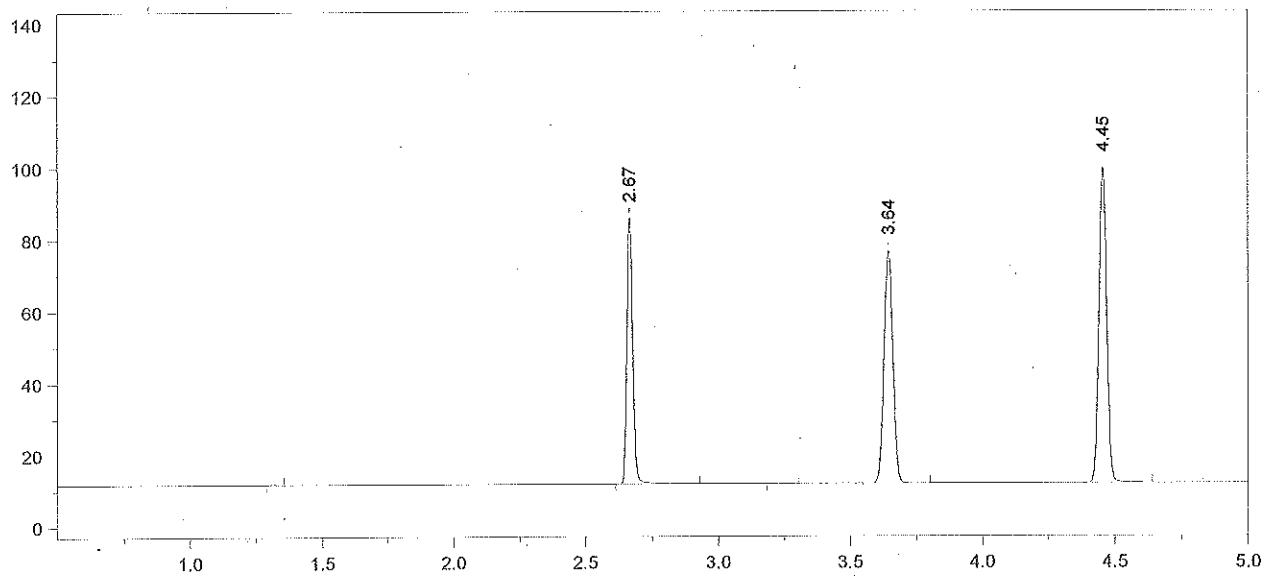
Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:15:28 AM
Bound File Name = VFL11262012.0030.RAW
Sample Name = CCS
Date Taken = 11/26/2012 9:34:59 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77611	0.0811
4	3.64	t-Butanol	158254	1.0235
5	4.45	n-Propanol	189156	1.0000

Avg #29 + #30 = 0.082

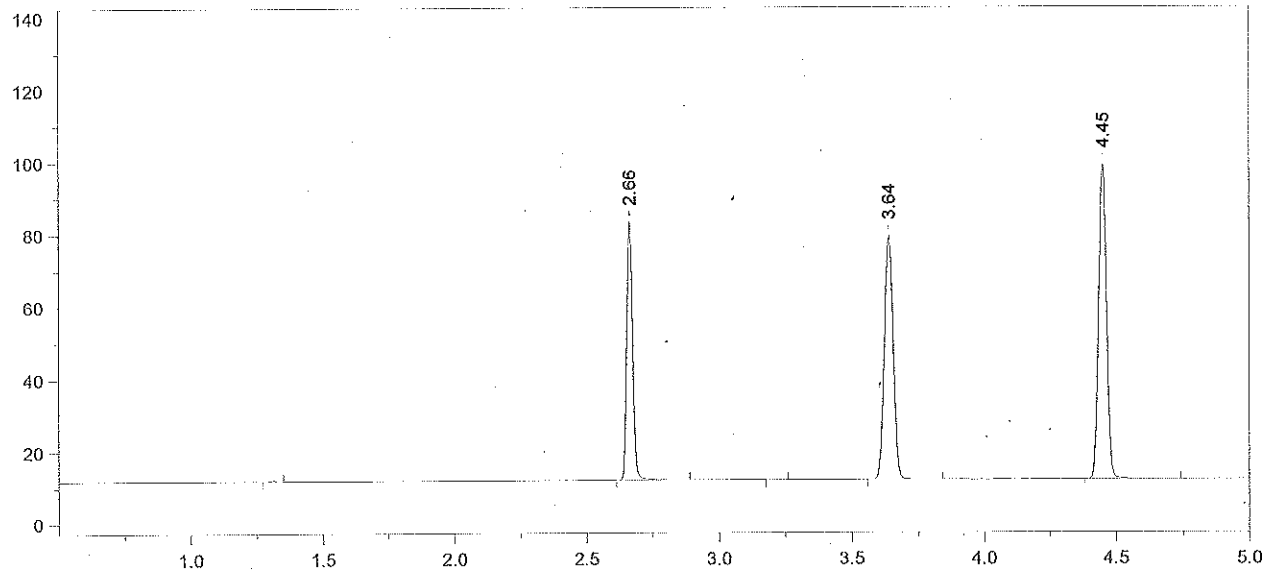
RJM 11/28/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:15:37 AM
Bound File Name = VFL11262012.0031.RAW
Sample Name = RLM 0.1
Date Taken = 11/26/2012 9:48:14 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

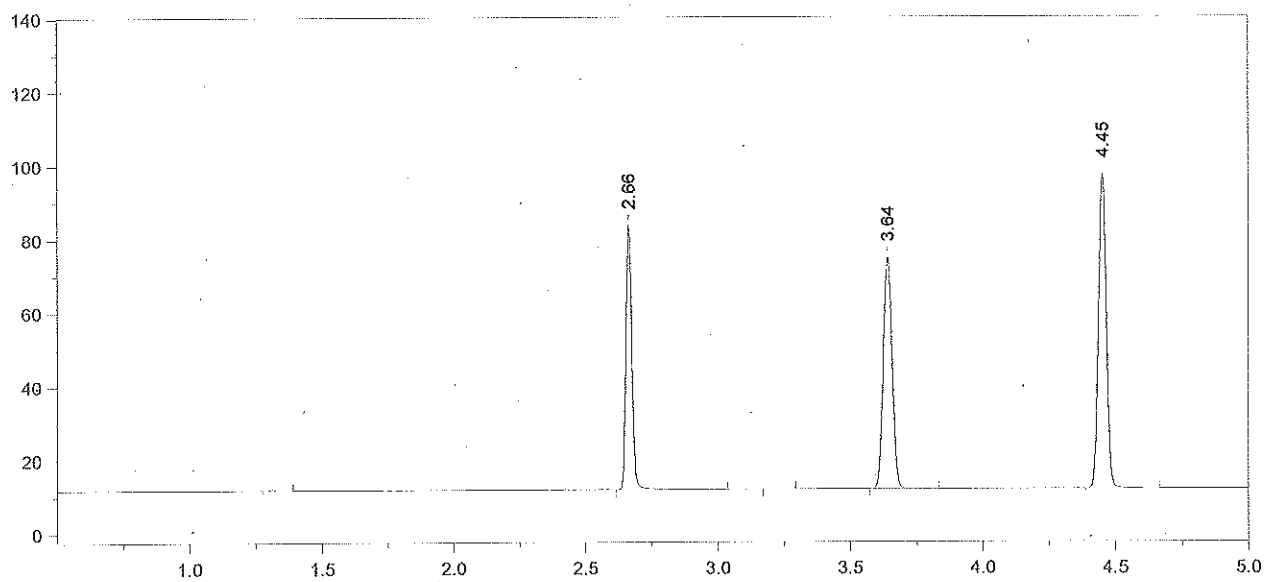
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	113879	0.1208	0.0986
4	3.64	t-Butanol	149245	0.9797	0.7997
5	4.45	n-Propanol	186363	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:15:46 AM
Bound File Name = VFL11262012.0032.RAW
Sample Name = RLM 0.1
Date Taken = 11/26/2012 10:04:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

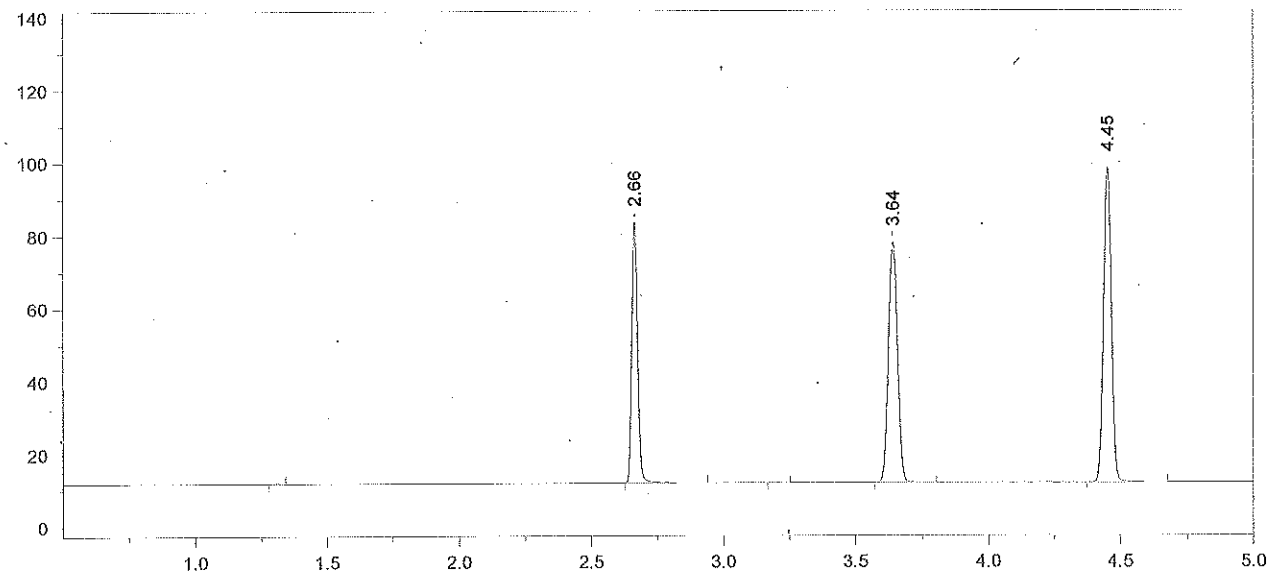
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	110205	0.1176	0.0960
4	3.64	t-Butanol	155048	1.0236	0.8355
5	4.45	n-Propanol	185311	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:15:55 AM
Bound File Name = VFL11262012.0033.RAW
Sample Name = RLM 0.1
Date Taken = 11/26/2012 10:20:03 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

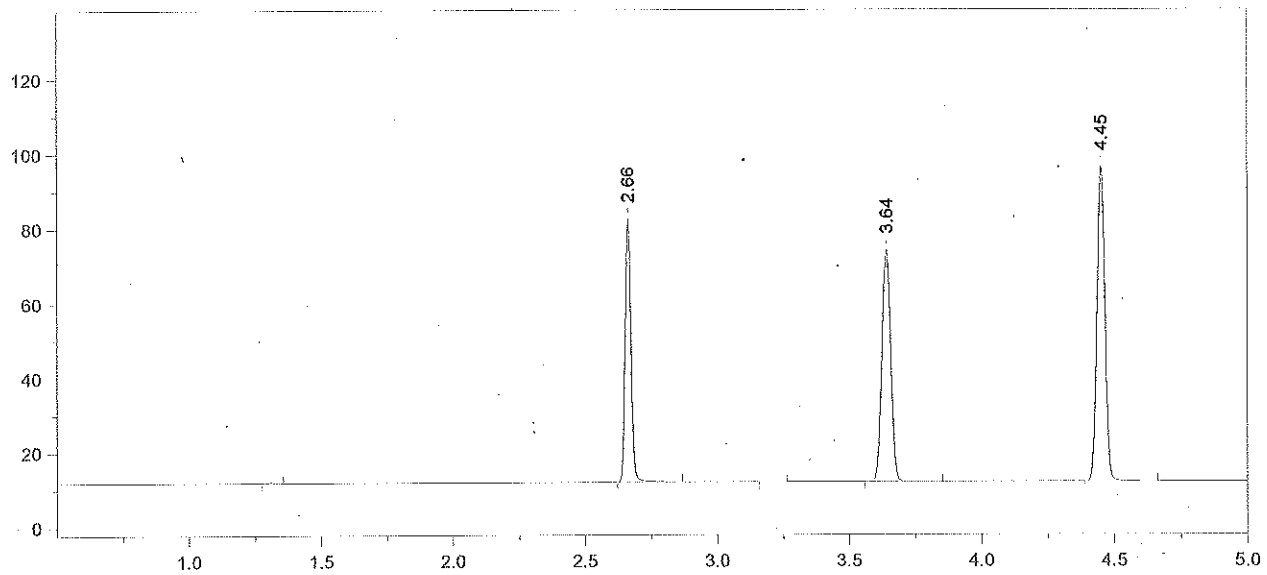
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	111085	0.1211	0.0988
4	3.64	t-Butanol	145282	0.9796	0.7995
5	4.45	n-Propanol	181446	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:16:03 AM
Bound File Name = VFL11262012.0034.RAW
Sample Name = RLM 0.1
Date Taken = 11/26/2012 10:34:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

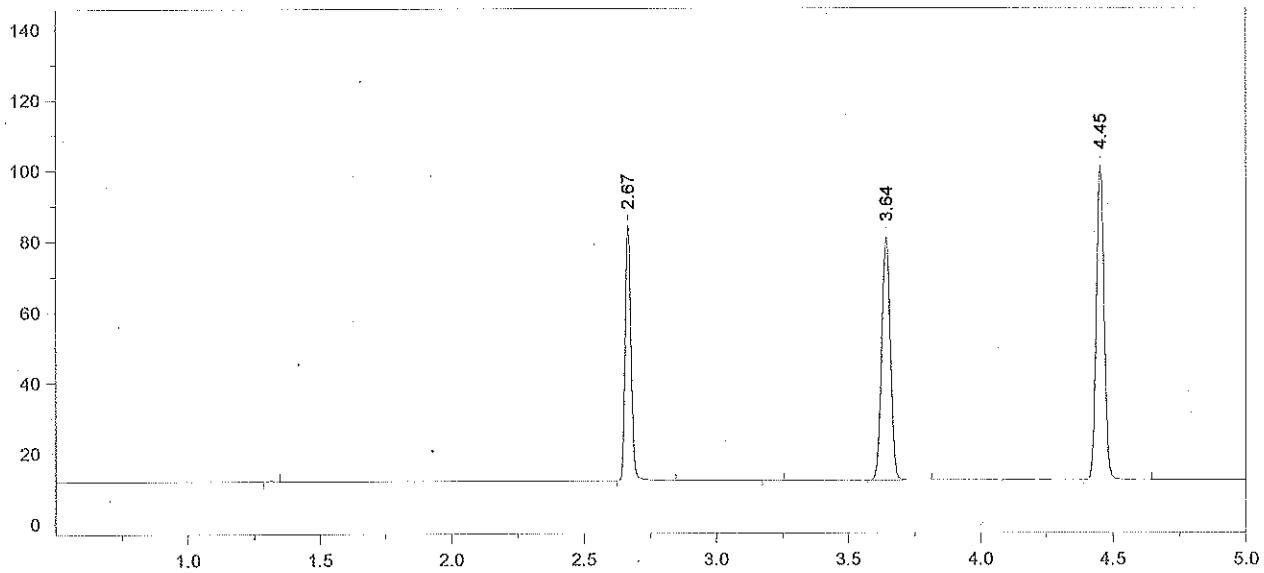
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	110180	0.1183	0.0966
4	3.64	t-Butanol	153098	1.0173	0.8303
5	4.45	n-Propanol	184120	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012
Today's Time = 8:16:13 AM
Bound File Name = VFL11262012.0035.RAW
Sample Name = RLM 0.1
Date Taken = 11/26/2012 10:49:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL
Calibration Version = 1

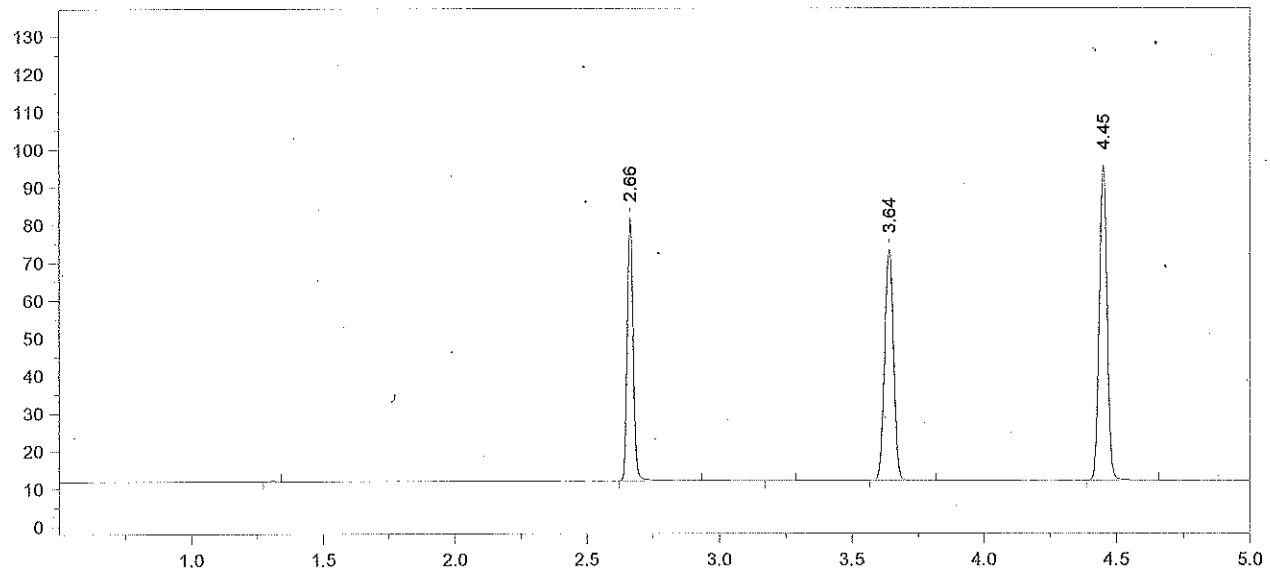
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	108429	0.1202	0.0981
4	3.64	t-Butanol	143252	0.9823	0.8018
5	4.45	n-Propanol	178402	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012 Today's Time = 8:16:21 AM
Bound File Name = VFL11262012.0036.RAW
Sample Name = RLM 0.1
Date Taken = 11/26/2012 11:06:24 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL Calibration Version = 1

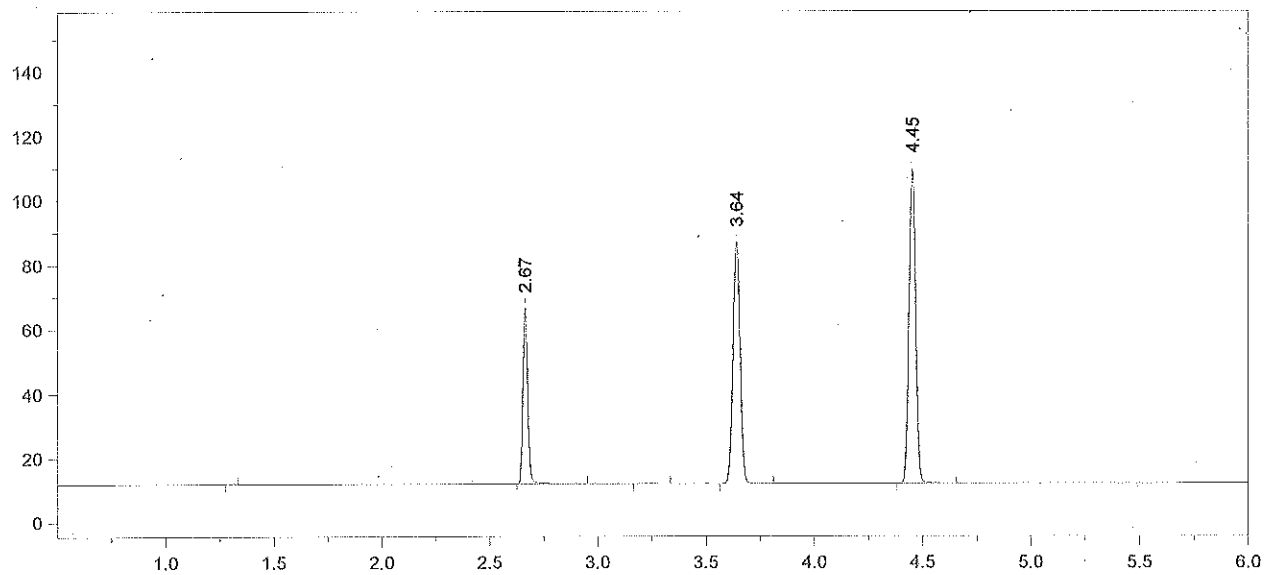
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	111855	0.1173	0.0957
4	3.64	t-Butanol	158299	1.0270	0.8382
5	4.45	n-Propanol	188576	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/27/2012 Today's Time = 8:16:30 AM
Bound File Name = VFL11262012.0037.RAW
Sample Name = RLM 0.1
Date Taken = 11/26/2012 11:19:34 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11262012.CAL Calibration Version = 1

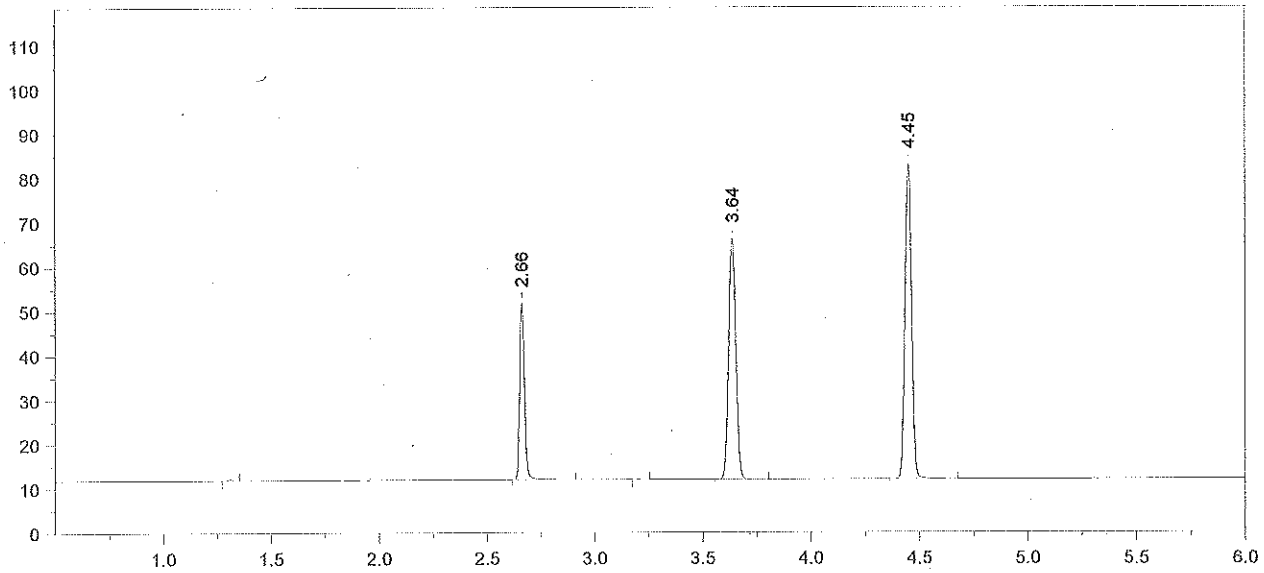
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	107633	0.1205	0.0983
4	3.64	t-Butanol	141963	0.9827	0.8021
5	4.45	n-Propanol	176724	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:16:39 AM
Bound File Name = VFL11262012.0038.RAW
Sample Name = CCS
Date Taken = 11/26/2012 11:36:08 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	84794	0.0813
4	3.64	t-Butanol	172684	1.0240
5	4.45	n-Propanol	206314	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/27/2012
Today's Time = 8:16:48 AM
Bound File Name = VFL11262012.0039.RAW
Sample Name = CCS
Date Taken = 11/26/2012 11:51:59 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11262012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	62437	0.0819
4	3.64	t-Butanol	125729	1.0204
5	4.45	n-Propanol	150740	1.0000

Avg #38 + #39 = 0.081

RLM 11/28/12

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM Date: 11/28/12

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	
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	
	0.005	0.022	0.073	0.180	0.363	

(c)

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		0.006	(Y) N	
4	Standard B		0.023	(Y) N	
5	Standard C		0.082	(Y) N	
6	Standard D		0.197	(Y) N	
7	Standard E		0.404	(Y) N	
~~8~~ 24 RLM 11/28/12	Aqueous QC		0.0782	(Y) N	Avg = 0.079 ✓
~~9~~ 25 RLM 11/28/12	Aqueous QC		0.0796	(Y) N	

11/29/2012

File Name: C:\Methods\VFL11282012.CAL
Version: 1

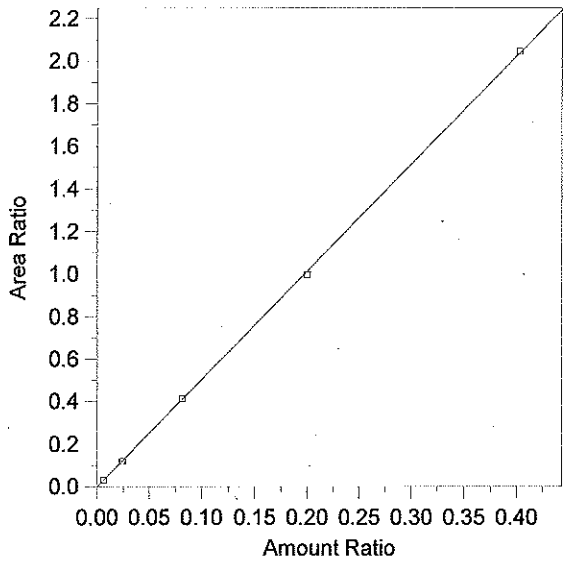
Creator:
Description:
Reason for change:

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:	2.663 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 = 5.053477 X + 0

Linear fit with equal weighting, forced to origin

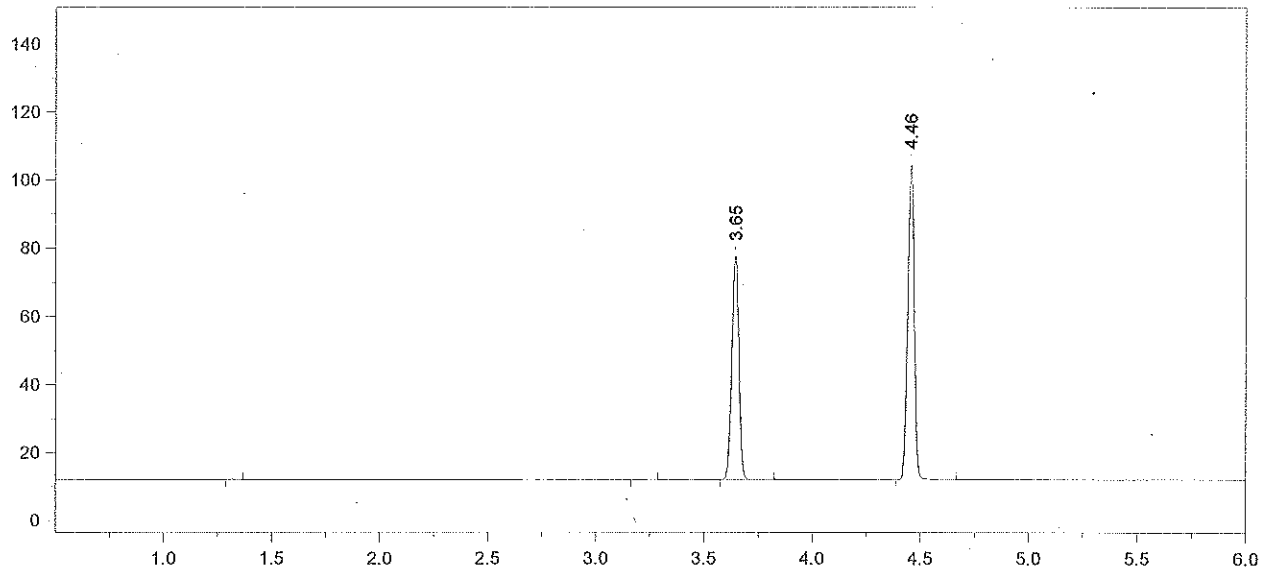
Coefficient of determination:	0.9998674
Average error:	1.465%
Average CF:	5.038383
RSD:	1.861%

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	5744.574	957429	1.790	0.006	3.086362E-02	C:\Alcohol Data\VFL11282012\VFL11282012.0003.BND	11/29/2012 10:46:39 AM
3	0.0242	21728.96	897890.9	-2.751	0.0242	0.1189296	C:\Alcohol Data\VFL11282012\VFL11282012.0004.BND	11/29/2012 10:46:27 AM
4	0.0813	77930.05	958549.2	0.737	0.0813	0.4138736	C:\Alcohol Data\VFL11282012\VFL11282012.0005.BND	11/29/2012 10:46:13 AM
5	0.2004	184701.6	921664.7	-1.658	0.2004	0.9959209	C:\Alcohol Data\VFL11282012\VFL11282012.0006.BND	11/29/2012 10:46:04 AM
6	0.403	382572.2	949310.6	0.390	0.403	2.044487	C:\Alcohol Data\VFL11282012\VFL11282012.0007.BND	11/29/2012 10:45:52 AM

File Name = C:\Alcohol Data\VFL11282012\VFL11282012.SEQ
Version = 1
File Date = 11/28/2012 10:24:46 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL11282012.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	VFL11282012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	VFL11282012.0003.raw	Blood Alc New VFL.MET	Std A	1.00	1.00
4	VFL11282012.0004.raw	Blood Alc New VFL.MET	Std B	1.00	1.00
5	VFL11282012.0005.raw	Blood Alc New VFL.MET	Std C	1.00	1.00
6	VFL11282012.0006.raw	Blood Alc New VFL.MET	Std D	1.00	1.00
7	VFL11282012.0007.raw	Blood Alc New VFL.MET	Std E	1.00	1.00
8	VFL11282012.0008.raw	Blood Alc New VFL.MET	WB	1.00	1.00
9	VFL11282012.0009.raw	Blood Alc New VFL.MET	WB	1.00	1.00
10	VFL11282012.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	VFL11282012.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	VFL11282012.0012.raw	Blood Alc New VFL.MET	2006 AL1	1.00	1.00
13	VFL11282012.0013.raw	Blood Alc New VFL.MET	2006 AL1	1.00	1.00
14	VFL11282012.0014.raw	Blood Alc New VFL.MET	2006 AL2	1.00	1.00
15	VFL11282012.0015.raw	Blood Alc New VFL.MET	2006 AL2	1.00	1.00
16	VFL11282012.0016.raw	Blood Alc New VFL.MET	2006 AL3	1.00	1.00
17	VFL11282012.0017.raw	Blood Alc New VFL.MET	2006 AL3	1.00	1.00
18	VFL11282012.0018.raw	Blood Alc New VFL.MET	WB 2	1.00	1.00
19	VFL11282012.0019.raw	Blood Alc New VFL.MET	WB 2	1.00	1.00
20	VFL11282012.0020.raw	Blood Alc New VFL.MET	WB 3	1.00	1.00
21	VFL11282012.0021.raw	Blood Alc New VFL.MET	WB 3	1.00	1.00
22	VFL11282012.0022.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
23	VFL11282012.0023.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
24	VFL11282012.0024.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
25	VFL11282012.0025.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
26	VFL11282012.0026.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
27	VFL11282012.0027.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
28	VFL11282012.0028.raw	simsoln.met	RLM 0.1	1.00	1.00
29	VFL11282012.0029.raw	simsoln.met	RLM 0.1	1.00	1.00
30	VFL11282012.0030.raw	simsoln.met	RLM 0.1	1.00	1.00
31	VFL11282012.0031.raw	simsoln.met	RLM 0.1	1.00	1.00
32	VFL11282012.0032.raw	simsoln.met	RLM 0.1	1.00	1.00
33	VFL11282012.0033.raw	simsoln.met	RLM 0.1	1.00	1.00
34	VFL11282012.0034.raw	simsoln.met	RLM 0.1	1.00	1.00
35	VFL11282012.0035.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
36	VFL11282012.0036.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
37	VFL11282012.0037.raw	simsoln.met	TLC 0.1	1.00	1.00
38	VFL11282012.0038.raw	simsoln.met	TLC 0.1	1.00	1.00
39	VFL11282012.0039.raw	simsoln.met	TLC 0.1	1.00	1.00
40	VFL11282012.0040.raw	simsoln.met	TLC 0.1	1.00	1.00
41	VFL11282012.0041.raw	simsoln.met	TLC 0.1	1.00	1.00
42	VFL11282012.0042.raw	simsoln.met	TLC 0.1	1.00	1.00
43	VFL11282012.0043.raw	simsoln.met	TLC 0.1	1.00	1.00
44	VFL11282012.0044.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
45	VFL11282012.0045.raw	Blood Alc New VFL.MET	CCS	1.00	1.00

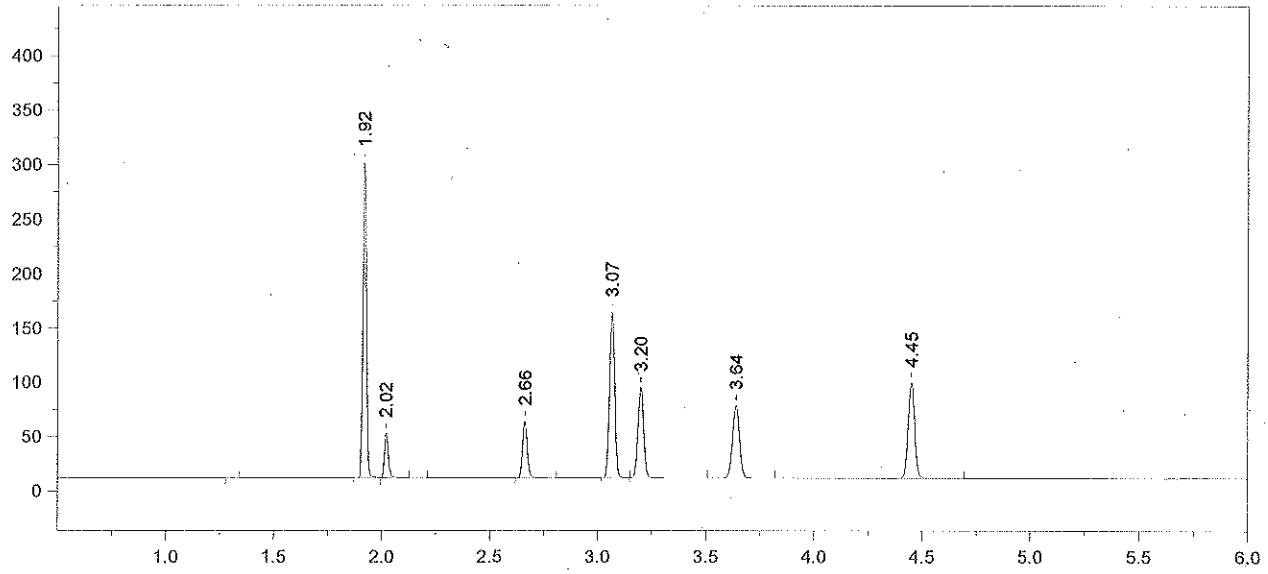
Proficiency samples not included RLM 11/29/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:51:19 AM
Bound File Name = VFL11282012.0001.RAW
Sample Name = Blank
Date Taken = 11/28/2012 11:01:12 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

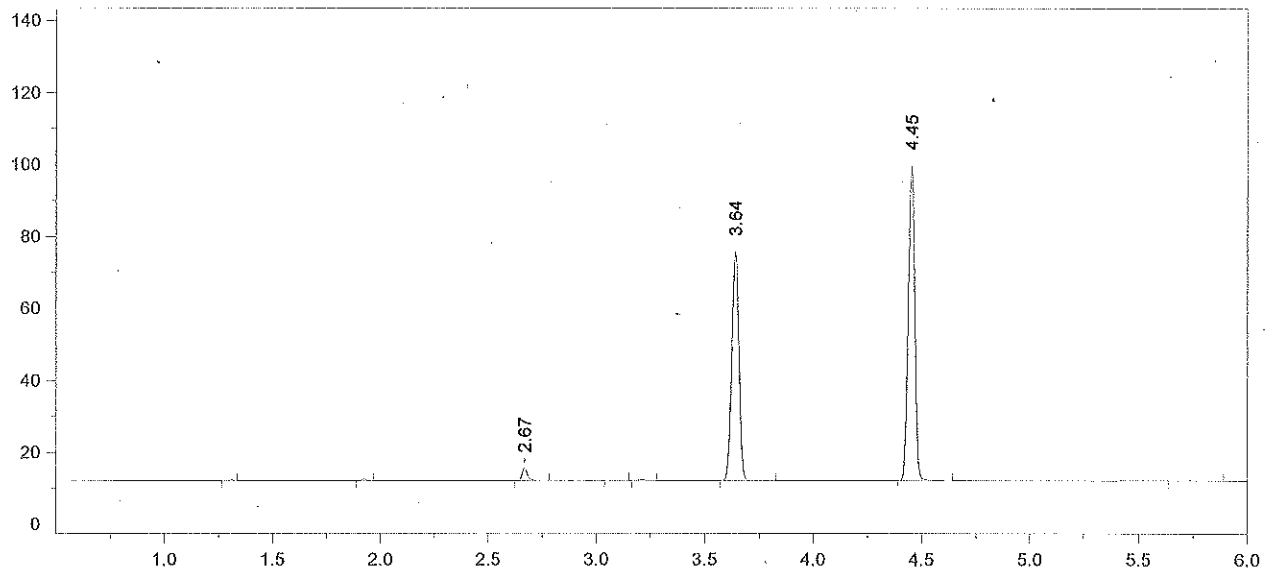
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.65	t-Butanol	151616	0.9506
4	4.46	n-Propanol	195414	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:51:28 AM
Bound File Name = VFL11282012.0002.RAW
Sample Name = TMX
Date Taken = 11/28/2012 11:18:41 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

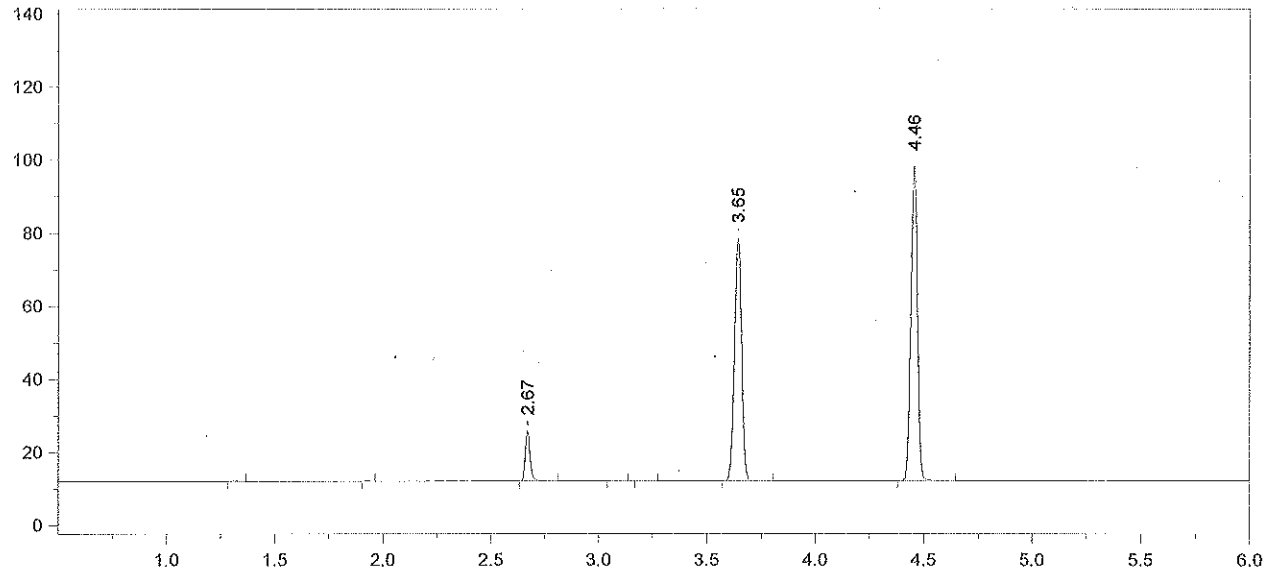
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	331841	0.0720
3	2.02	Methanol	50788	0.1210
4	2.66	Ethanol	79968	0.0853
5	3.07	Acetone	257742	0.0690
6	3.20	Isopropanol	155741	0.0830
7	3.64	t-Butanol	154309	1.0193
8	4.45	n-Propanol	185496	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:51:38 AM
Bound File Name = VFL11282012.0003.RAW
Sample Name = Std A
Date Taken = 11/28/2012 11:31:52 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

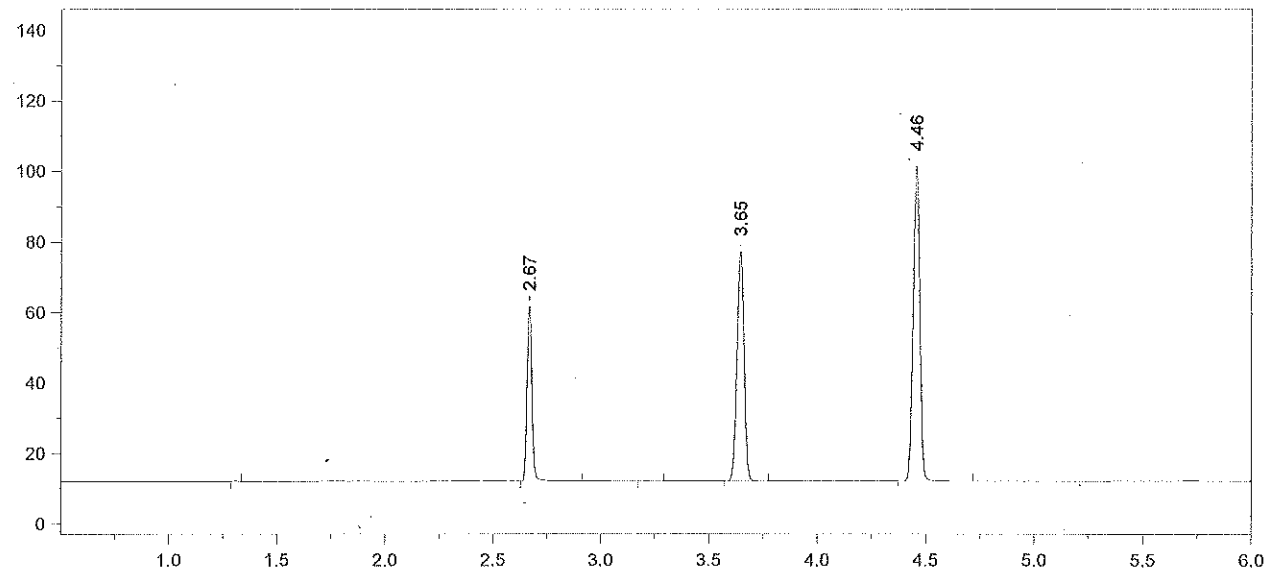
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	05745	0.0061
6	3.64	t-Butanol	147313	0.9698
7	4.45	n-Propanol	186128	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:51:47 AM
Bound File Name = VFL11282012.0004.RAW
Sample Name = Std B
Date Taken = 11/28/2012 11:50:05 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

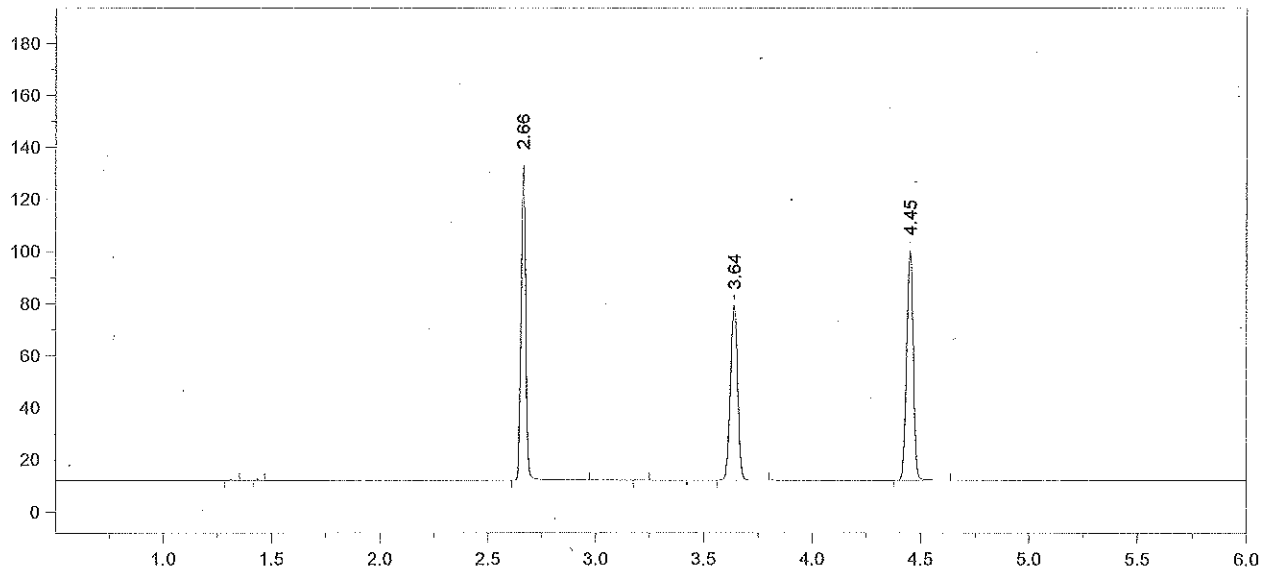
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	21729	0.0235
6	3.65	t-Butanol	153549	1.0297
7	4.46	n-Propanol	182704	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:51:56 AM
Bound File Name = VFL11282012.0005.RAW
Sample Name = Std C
Date Taken = 11/28/2012 12:03:46 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

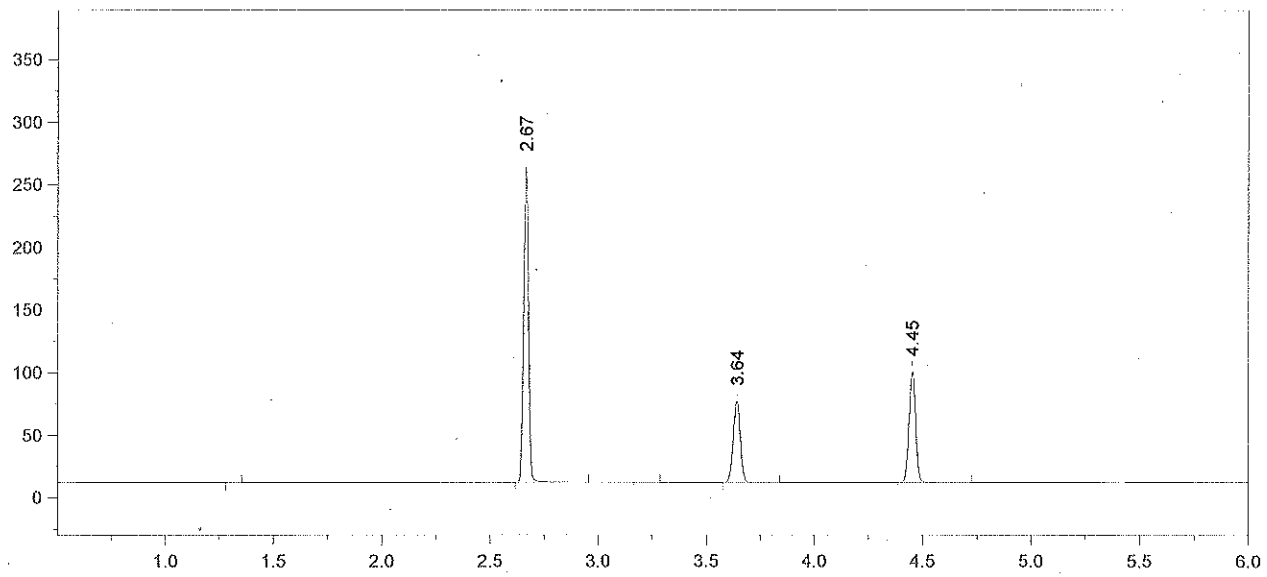
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	77930	0.0819
4	3.65	t-Butanol	150066	0.9765
5	4.46	n-Propanol	188294	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:52:05 AM
Bound File Name = VFL11282012.0006.RAW
Sample Name = Std D
Date Taken = 11/28/2012 12:21:32 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

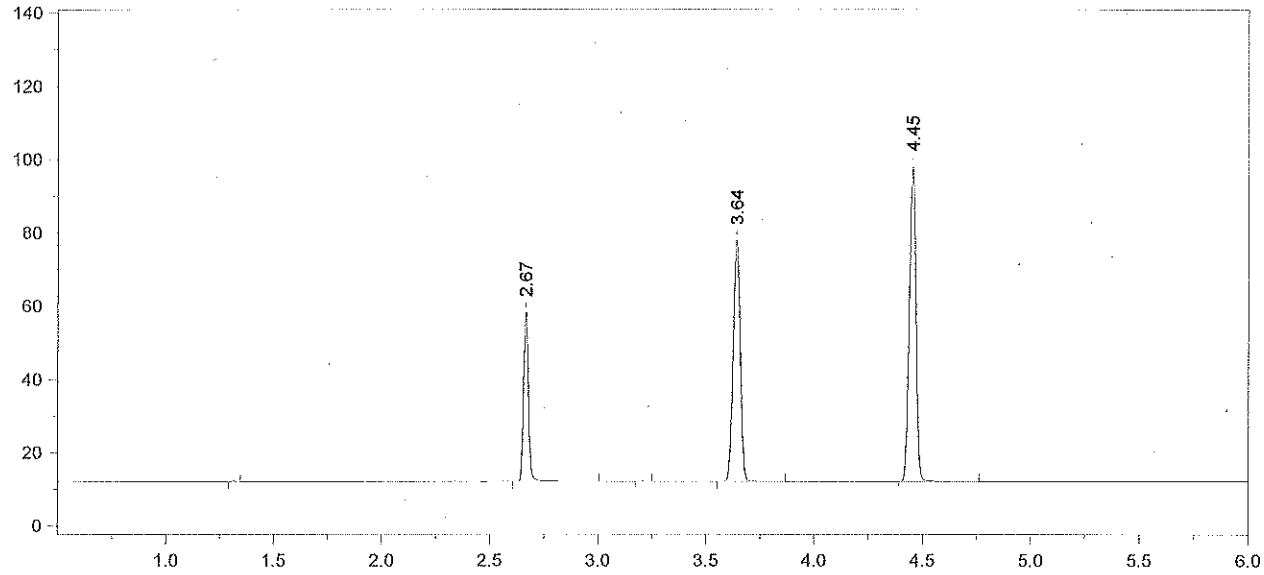
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	184702	0.1971
5	3.64	t-Butanol	155162	1.0251
6	4.45	n-Propanol	185458	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:52:13 AM
Bound File Name = VFL11282012.0007.RAW
Sample Name = Std E
Date Taken = 11/28/2012 12:35:28 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

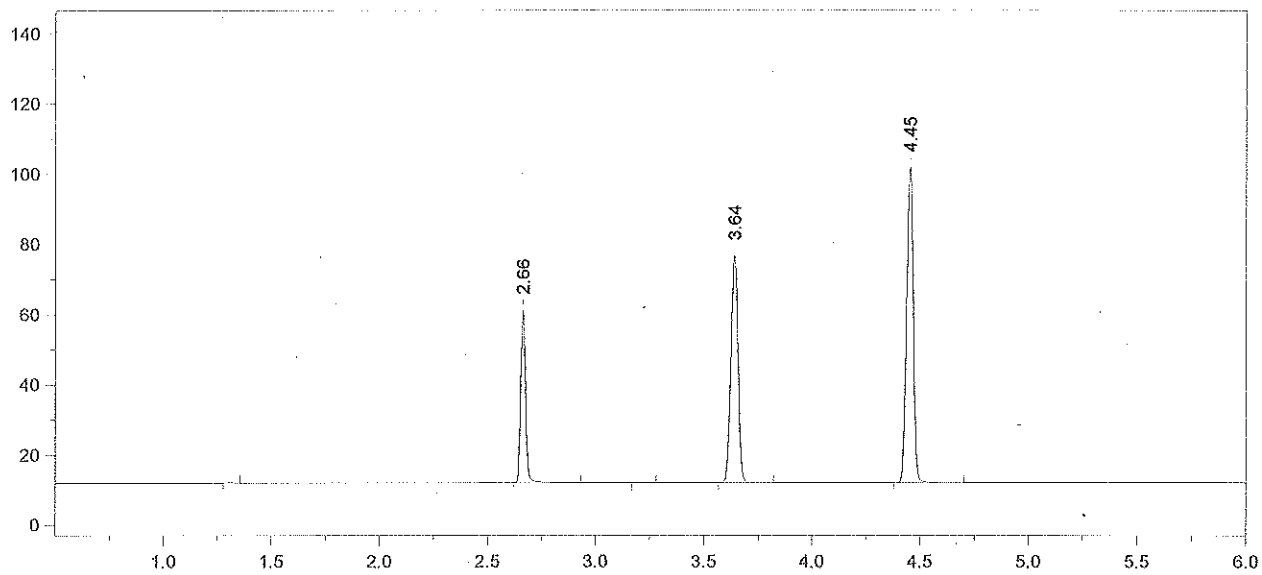
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	382572	0.4046
4	3.64	t-Butanol	149609	0.9796
5	4.45	n-Propanol	187124	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:54:39 AM
Bound File Name = VFL11282012.0024.RAW
Sample Name = AQ QC
Date Taken = 11/28/2012 5:01:03 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	71913	0.0782
4	3.64	t-Butanol	152072	1.0236
5	4.45	n-Propanol	182031	1.0000

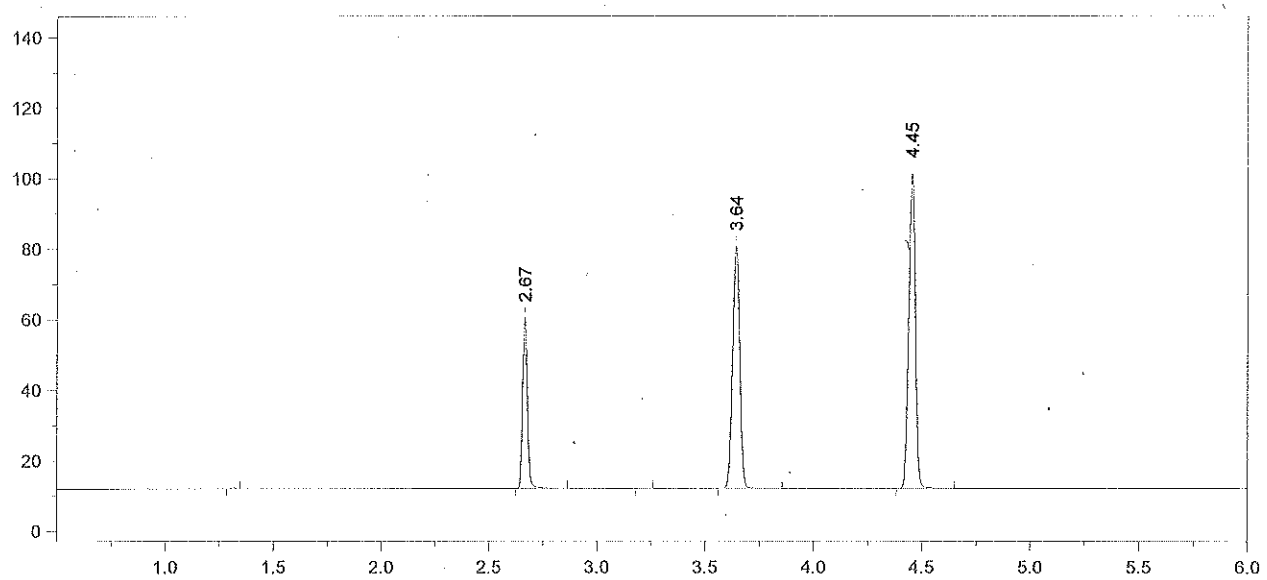


Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:54:47 AM
Bound File Name = VFL11282012.0025.RAW
Sample Name = AQ QC
Date Taken = 11/28/2012 5:14:21 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76419	0.0796
4	3.64	t-Butanol	149245	0.9622
5	4.45	n-Propanol	190040	1.0000

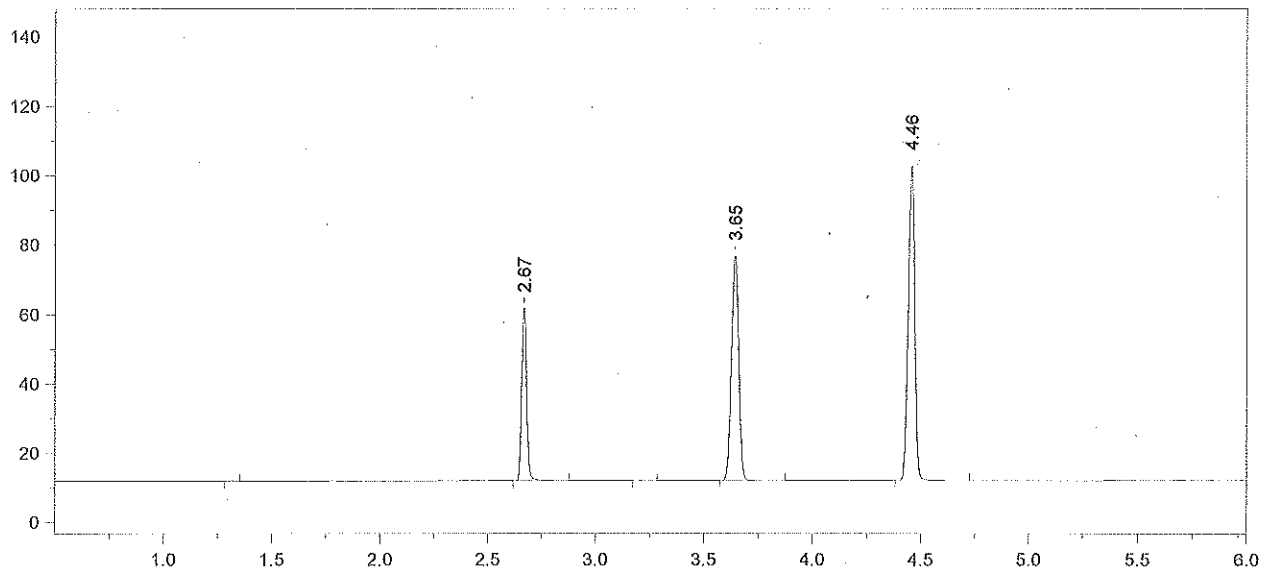
Avg #24 + #25 = 0.079
RZM 11/29/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:54:56 AM
Bound File Name = VFL11282012.0026.RAW
Sample Name = CCS
Date Taken = 11/28/2012 5:32:30 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	74561	0.0781
4	3.64	t-Butanol	157852	1.0237
5	4.45	n-Propanol	188936	1.0000

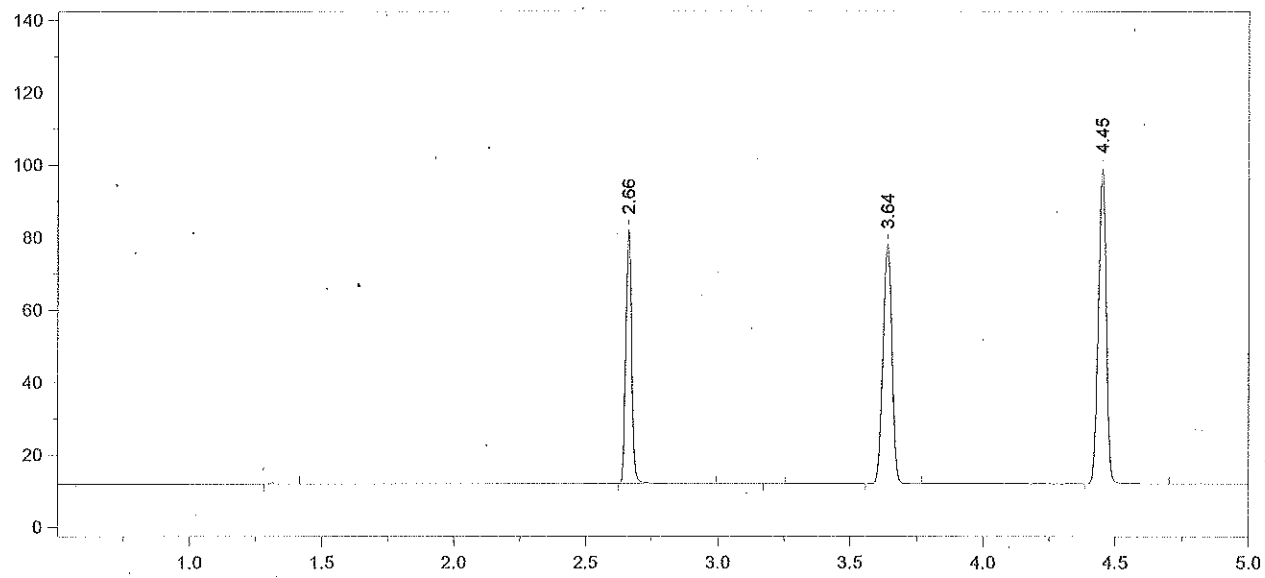


Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:55:05 AM
Bound File Name = VFL11282012.0027.RAW
Sample Name = CCS
Date Taken = 11/28/2012 5:46:21 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	77706	0.0805
4	3.65	t-Butanol	149783	0.9602
5	4.46	n-Propanol	191133	1.0000

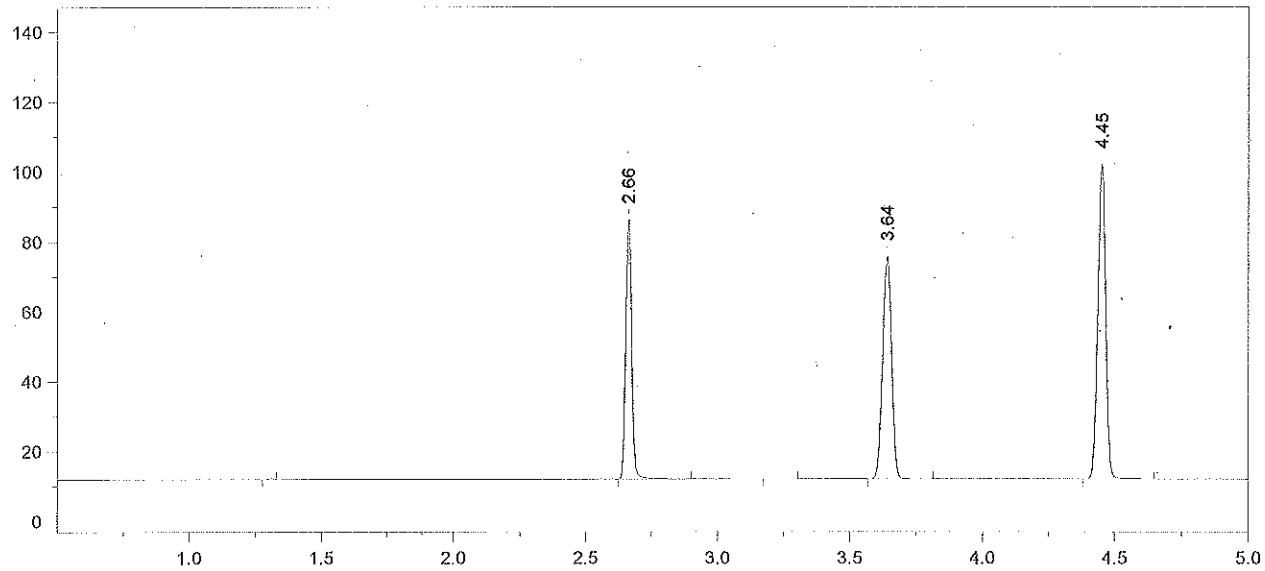
Avg #26 + #27 = 0.079
RJM 11/29/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:55:14 AM
Bound File Name = VFL11282012.0028.RAW
Sample Name = RLM 0.1
Date Taken = 11/28/2012 6:03:55 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

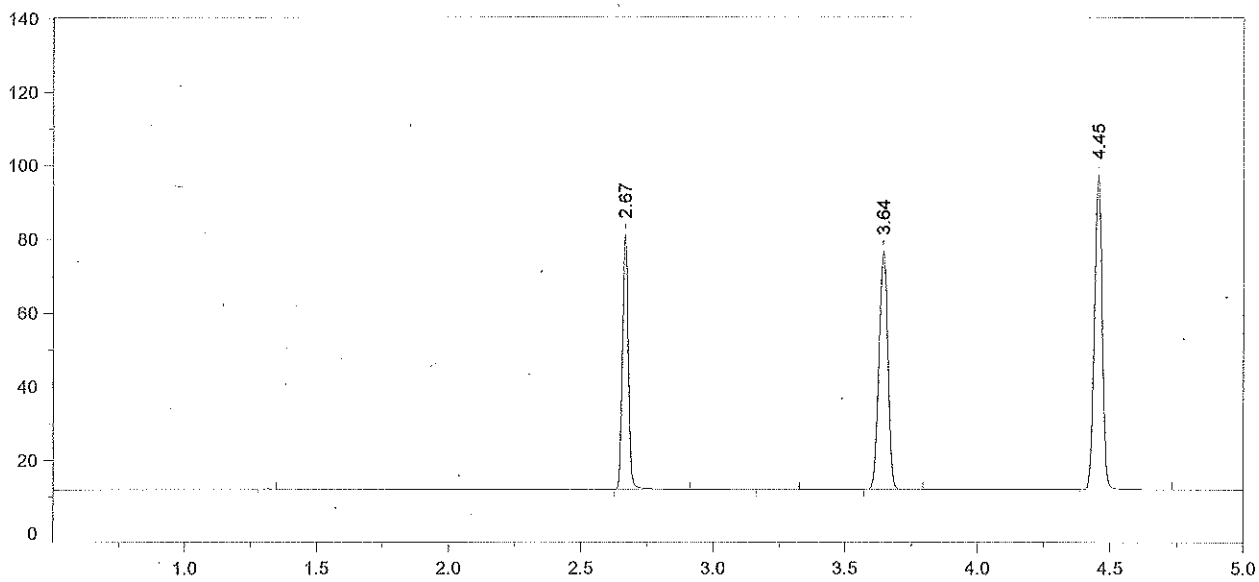
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	108769	0.1168	0.0954
4	3.64	t-Butanol	152447	1.0140	0.8277
5	4.45	n-Propanol	184201	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:55:22 AM
Bound File Name = VFL11282012.0029.RAW
Sample Name = RLM 0.1
Date Taken = 11/28/2012 6:17:33 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

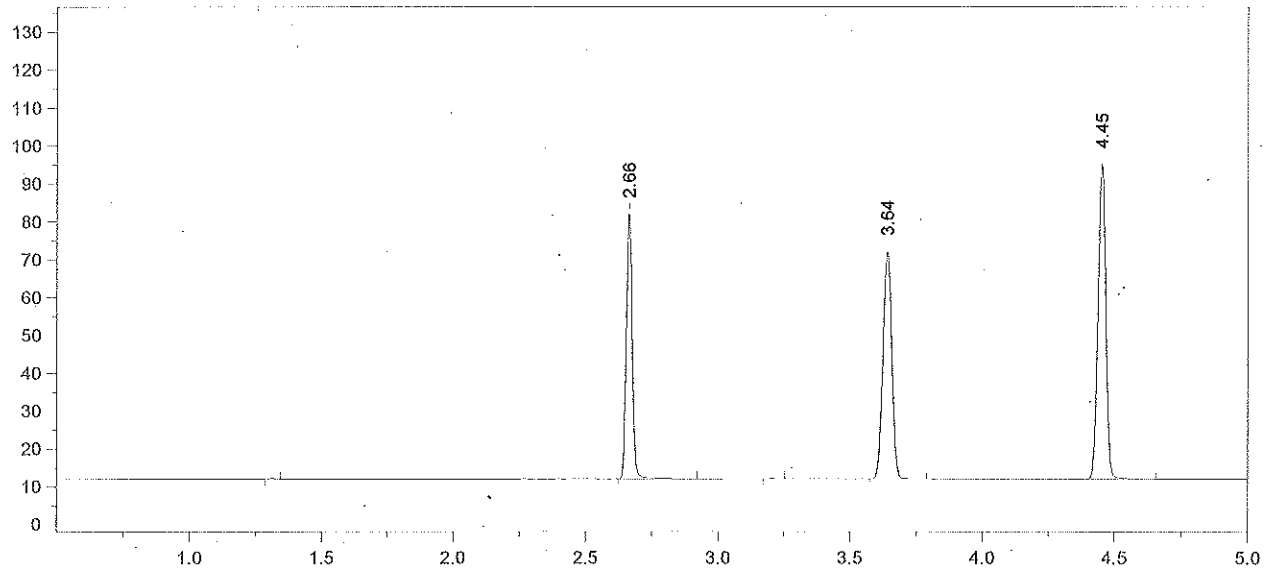
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	115303	0.1203	0.0982
4	3.64	t-Butanol	146883	0.9490	0.7745
5	4.45	n-Propanol	189651	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:55:31 AM
Bound File Name = VFL11282012.0030.RAW
Sample Name = RLM 0.1
Date Taken = 11/28/2012 6:35:21 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

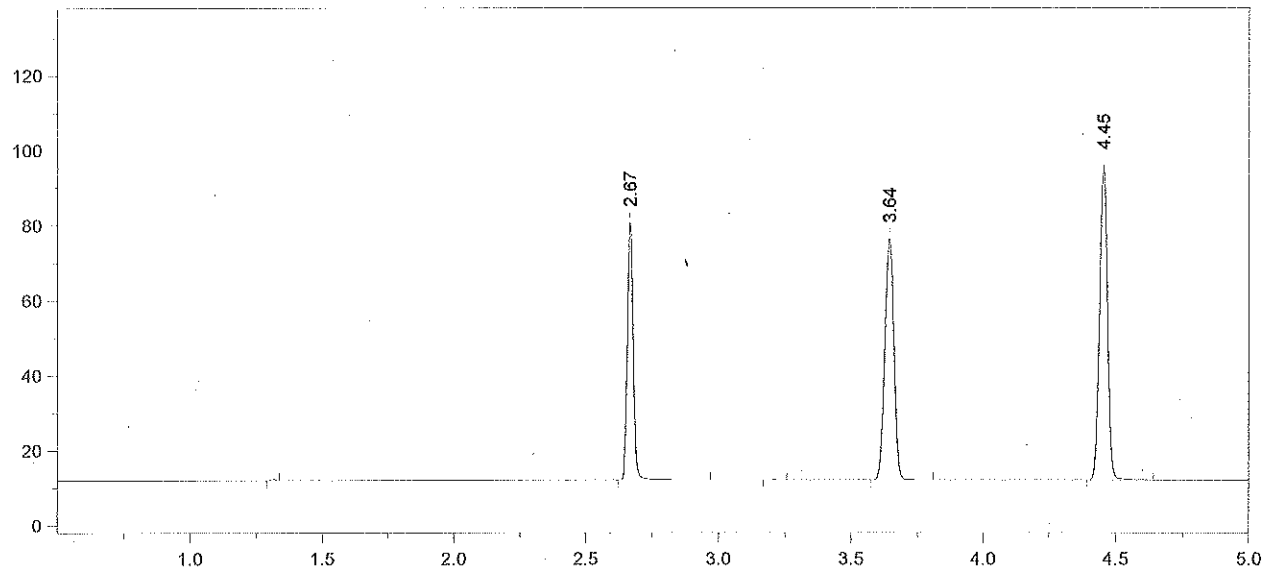
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	106813	0.1171	0.0956
4	3.64	t-Butanol	149372	1.0140	0.8276
5	4.45	n-Propanol	180495	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:55:40 AM
Bound File Name = VFL11282012.0031.RAW
Sample Name = RLM 0.1
Date Taken = 11/28/2012 6:49:10 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

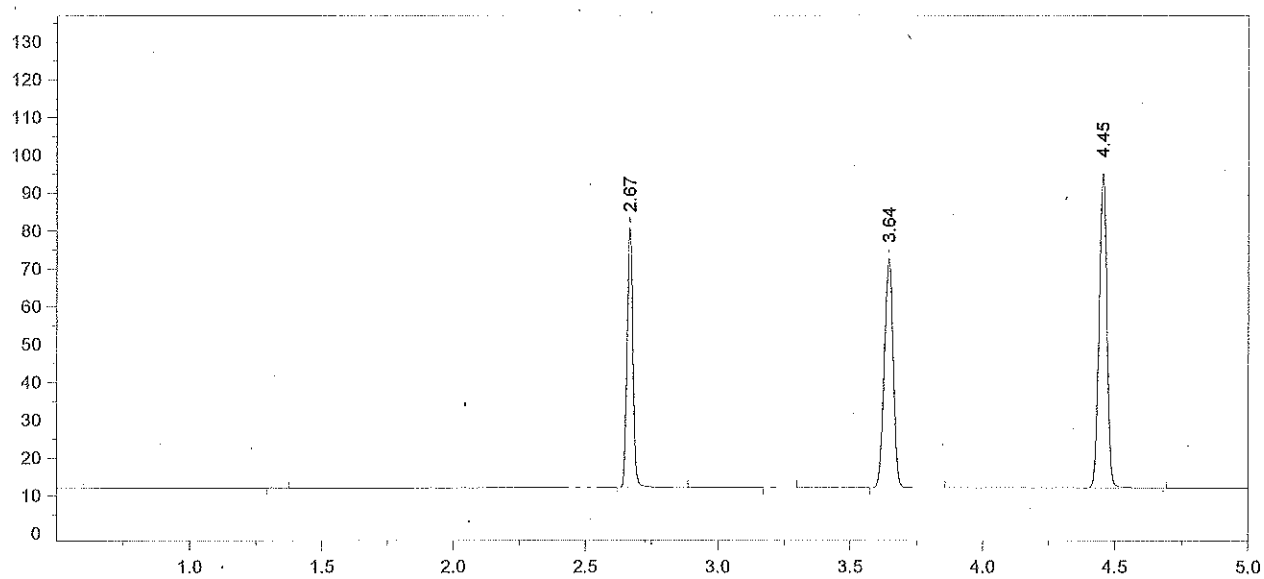
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	107766	0.1209	0.0987
4	3.64	t-Butanol	138768	0.9641	0.7869
5	4.45	n-Propanol	176368	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:55:48 AM
Bound File Name = VFL11282012.0032.RAW
Sample Name = RLM 0.1
Date Taken = 11/28/2012 7:06:46 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

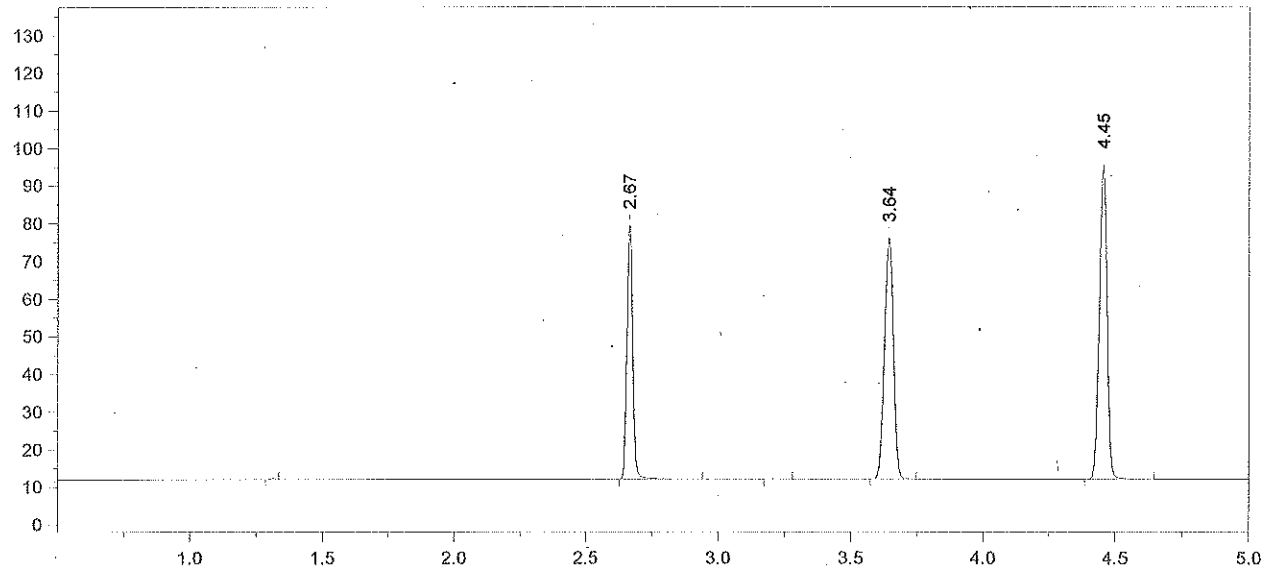
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	105670	0.1175	0.0959
4	3.64	t-Butanol	148376	1.0217	0.8339
5	4.45	n-Propanol	177938	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:55:57 AM
Bound File Name = VFL11282012.0033.RAW
Sample Name = RLM 0.1
Date Taken = 11/28/2012 7:20:01 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

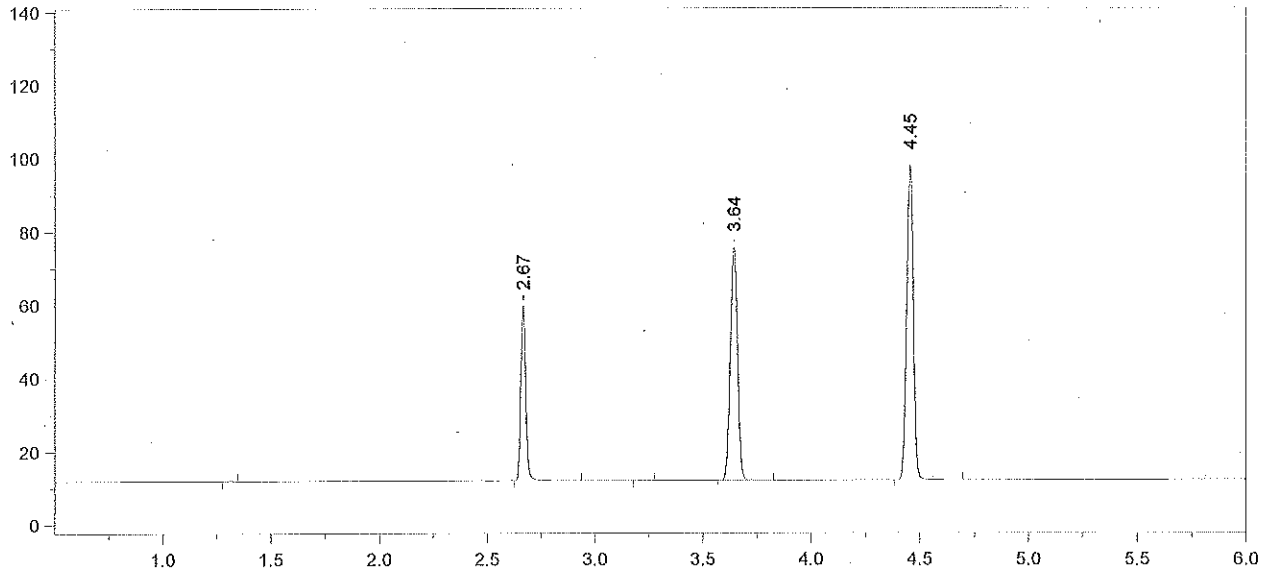
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	105690	0.1189	0.0971
4	3.64	t-Butanol	139719	0.9735	0.7946
5	4.45	n-Propanol	175853	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:56:06 AM
Bound File Name = VFL11282012.0034.RAW
Sample Name = RLM 0.1
Date Taken = 11/28/2012 7:38:10 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

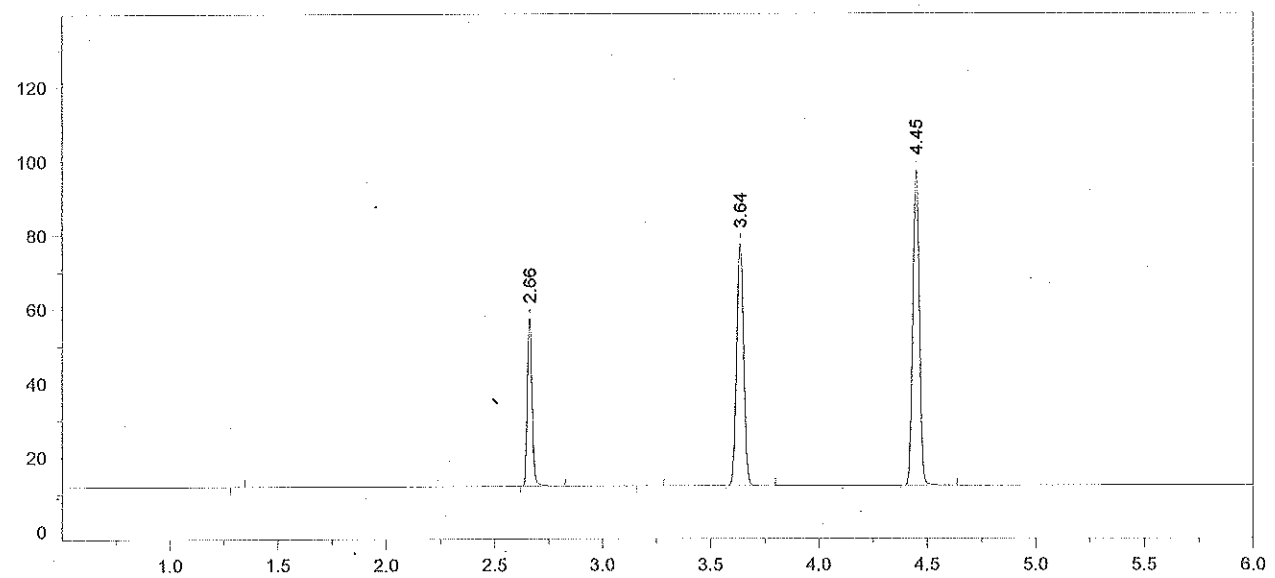
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	104277	0.1167	0.0952
4	3.64	t-Butanol	147625	1.0225	0.8346
5	4.45	n-Propanol	176893	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:56:15 AM
Bound File Name = VFL11282012.0035.RAW
Sample Name = CCS
Date Taken = 11/28/2012 7:51:51 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	74098	0.0802
4	3.64	t-Butanol	146501	0.9822
5	4.45	n-Propanol	182765	1.0000

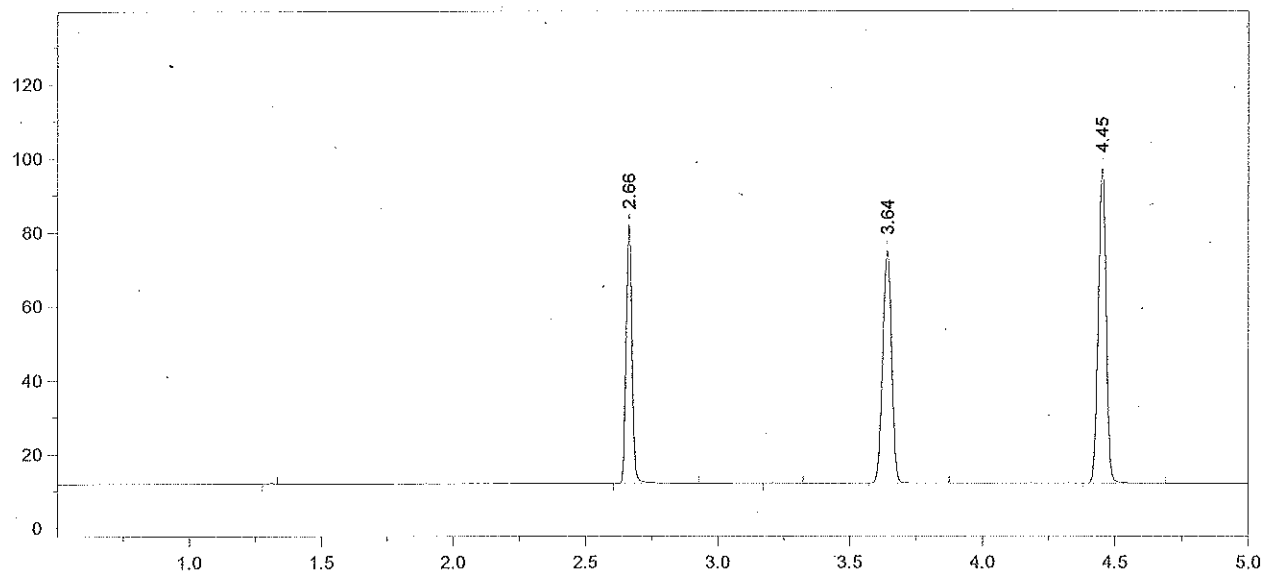


Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:56:24 AM
Bound File Name = VFL11282012.0036.RAW
Sample Name = CCS
Date Taken = 11/28/2012 8:09:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	70560	0.0773
4	3.64	t-Butanol	151847	1.0306
5	4.45	n-Propanol	180526	1.0000

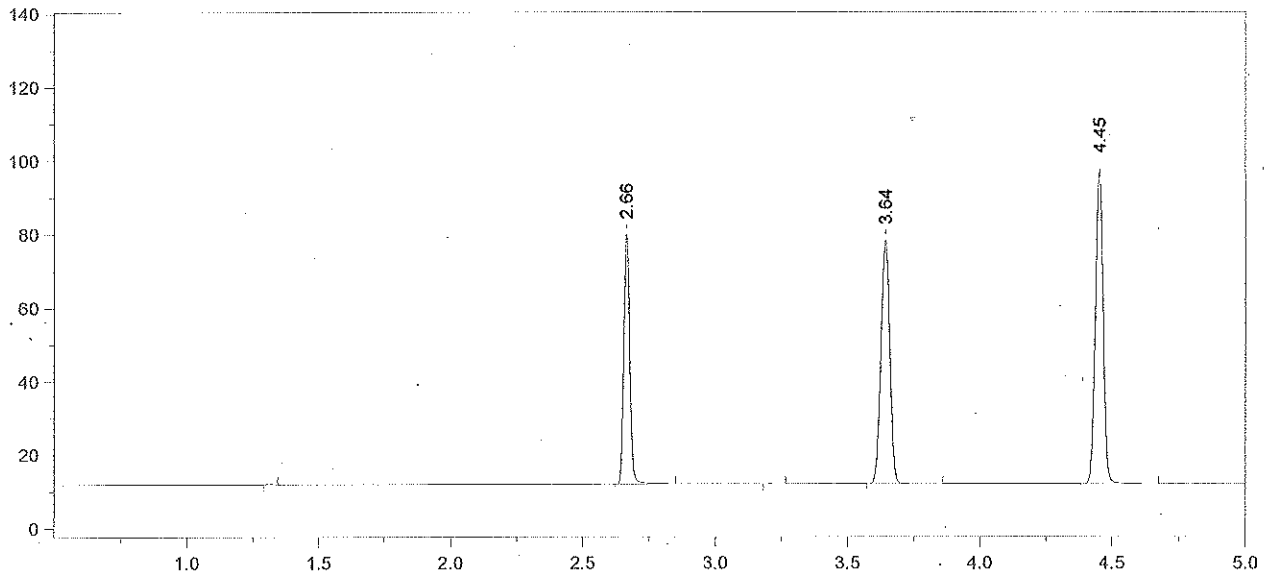
Avg #35 + #36 = 0.079
RZM 11/29/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012
Today's Time = 10:56:32 AM
Bound File Name = VFL11282012.0037.RAW
Sample Name = TLC 0.1
Date Taken = 11/28/2012 8:23:15 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL
Calibration Version = 1

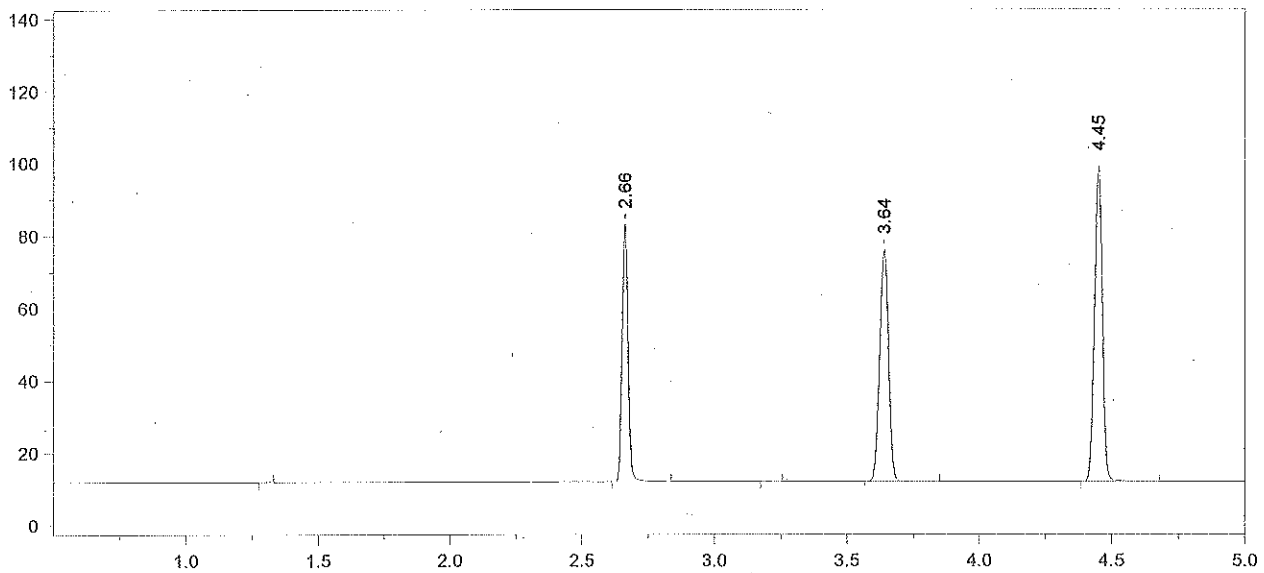
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	108067	0.1187	0.0969
4	3.64	t-Butanol	145150	0.9876	0.8060
5	4.45	n-Propanol	180088	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:56:41 AM
Bound File Name = VFL11282012.0038.RAW
Sample Name = TLC 0.1
Date Taken = 11/28/2012 8:41:01 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

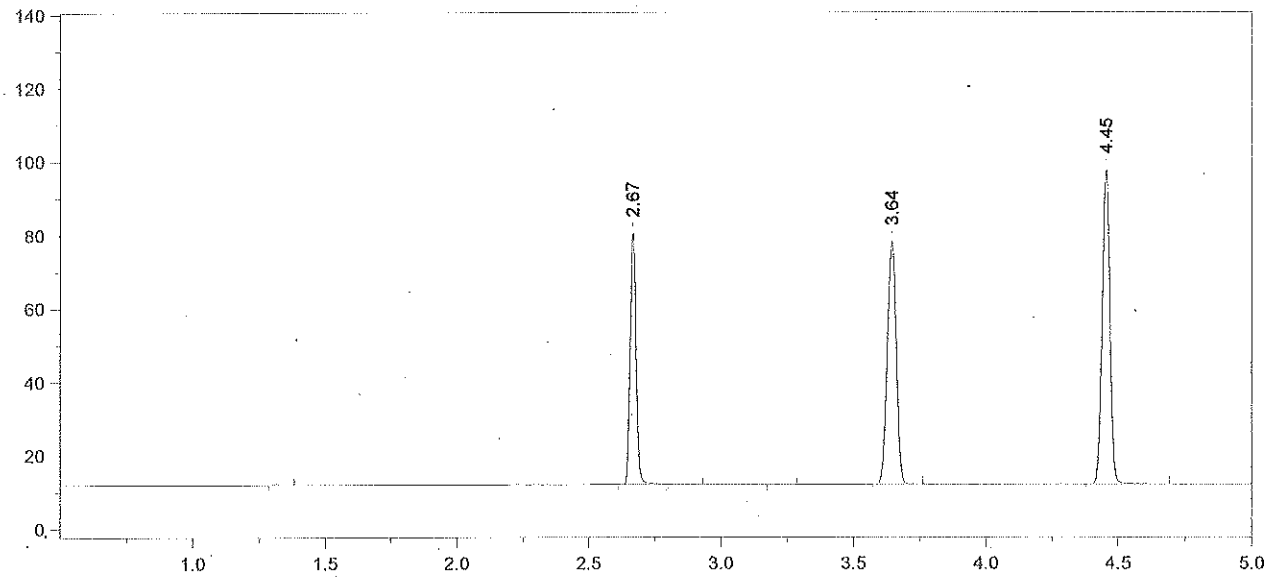
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	105034	0.1147	0.0936
4	3.64	t-Butanol	153407	1.0370	0.8464
5	4.45	n-Propanol	181265	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012
Today's Time = 10:56:50 AM
Bound File Name = VFL11282012.0039.RAW
Sample Name = TLC 0.1
Date Taken = 11/28/2012 8:54:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL
Calibration Version = 1

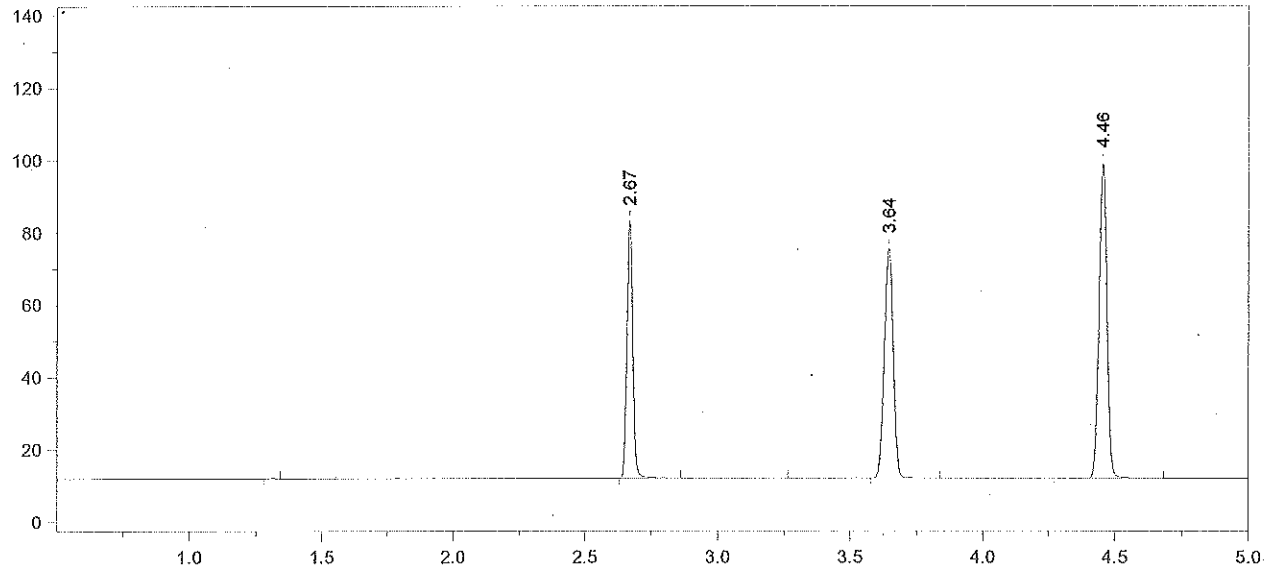
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	109436	0.1178	0.0962
4	3.64	t-Butanol	147826	0.9854	0.8042
5	4.45	n-Propanol	183818	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:56:58 AM
Bound File Name = VFL11282012.0040.RAW
Sample Name = TLC 0.1
Date Taken = 11/28/2012 9:12:26 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

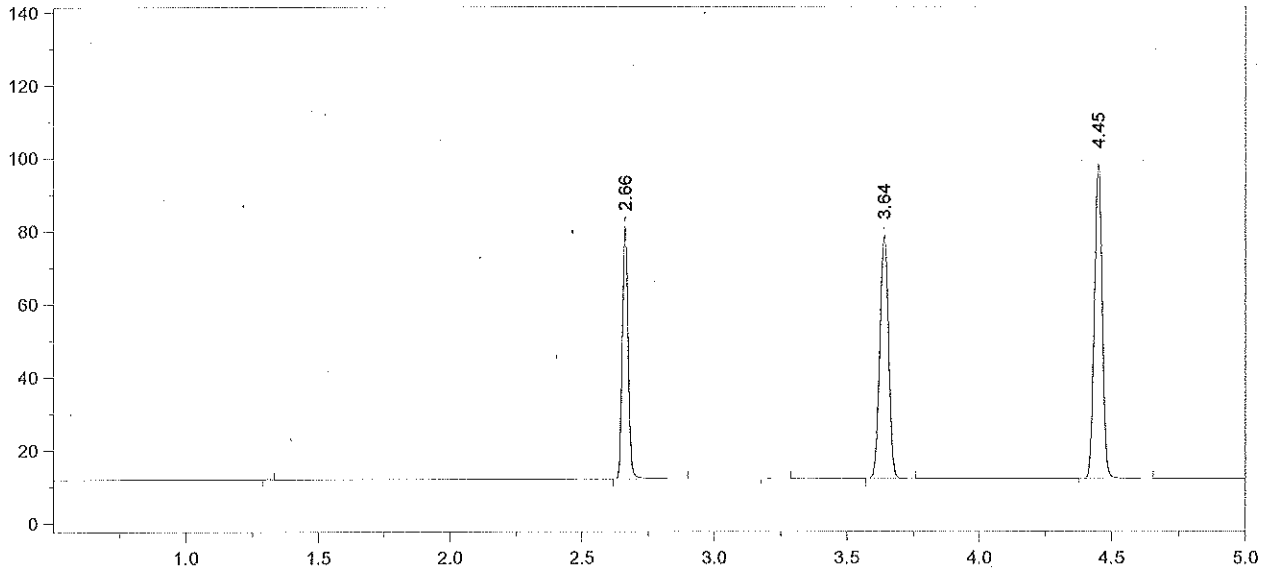
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	106020	0.1160	0.0947
4	3.64	t-Butanol	152394	1.0322	0.8425
5	4.45	n-Propanol	180896	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012
Today's Time = 10:57:07 AM
Bound File Name = VFL11282012.0041.RAW
Sample Name = TLC 0.1
Date Taken = 11/28/2012 9:26:03 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL
Calibration Version = 1

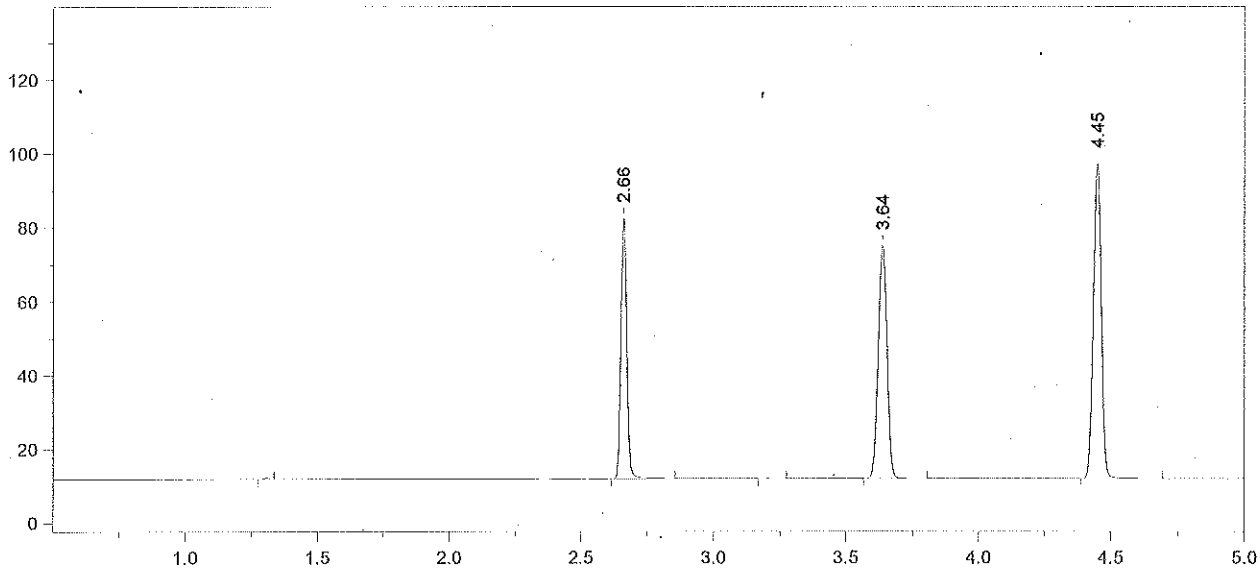
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	109599	0.1180	0.0963
4	3.64	t-Butanol	147113	0.9810	0.8007
5	4.46	n-Propanol	183739	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:57:16 AM
Bound File Name = VFL11282012.0042.RAW
Sample Name = TLC 0.1
Date Taken = 11/28/2012 9:43:53 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

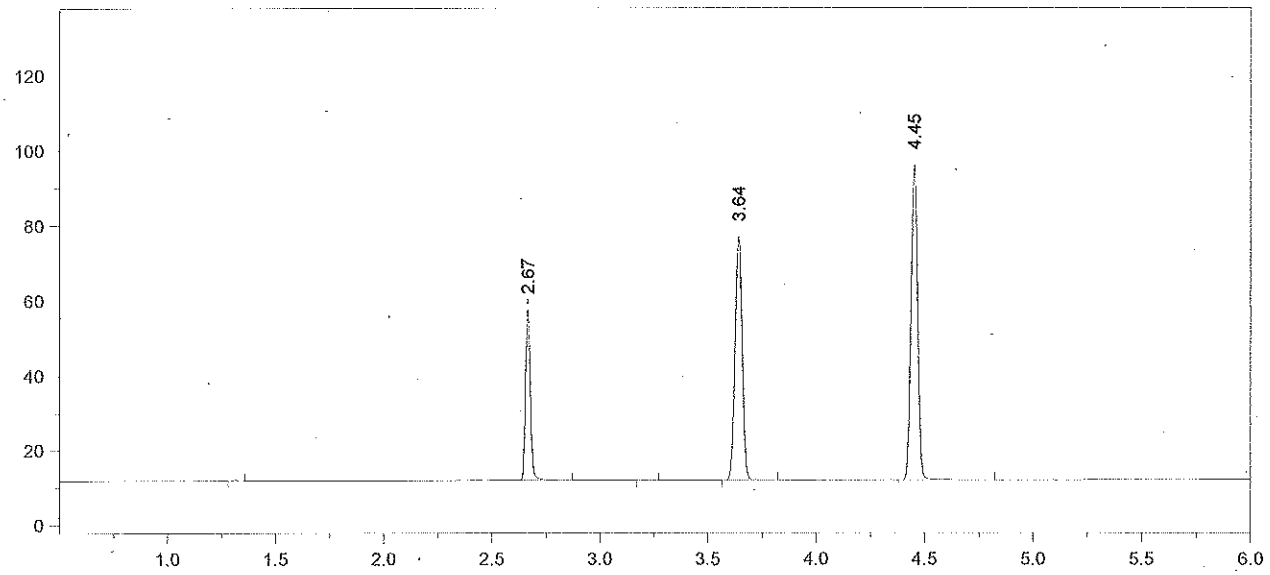
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	106408	0.1154	0.0942
4	3.64	t-Butanol	153898	1.0333	0.8434
5	4.45	n-Propanol	182486	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/29/2012 Today's Time = 10:57:24 AM
Bound File Name = VFL11282012.0043.RAW
Sample Name = TLC 0.1
Date Taken = 11/28/2012 9:57:34 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11282012.CAL Calibration Version = 1

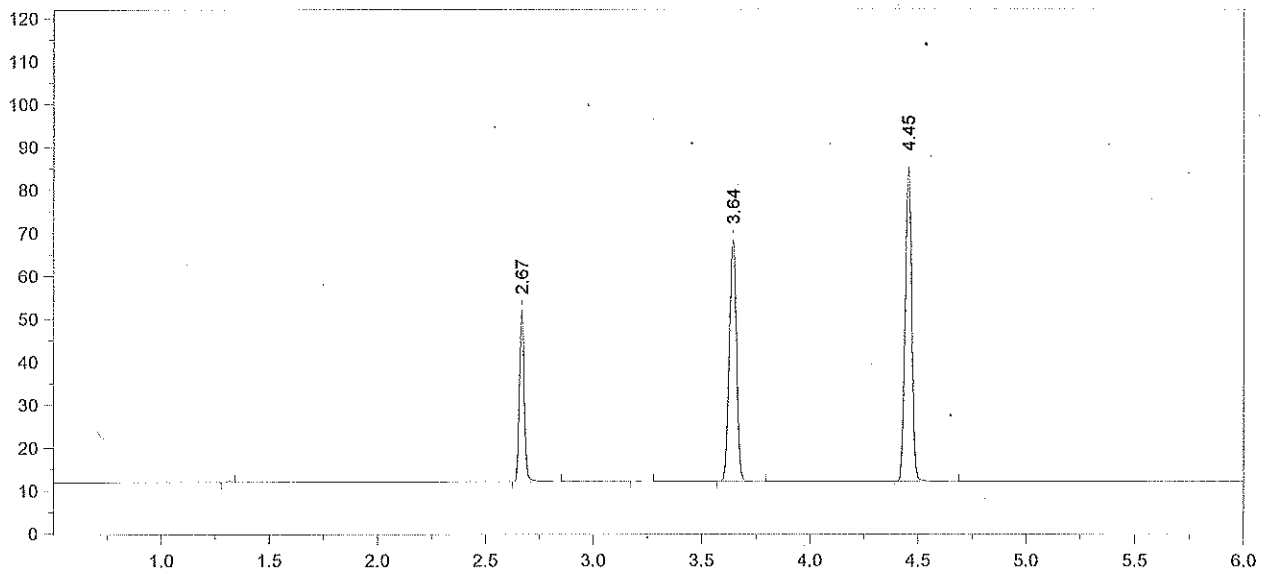
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	108576	0.1185	0.0967
4	3.64	t-Butanol	145292	0.9817	0.8012
5	4.45	n-Propanol	181344	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:57:33 AM
Bound File Name = VFL11282012.0044.RAW
Sample Name = CCS
Date Taken = 11/28/2012 10:15:19 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	70688	0.0783
4	3.64	t-Butanol	149790	1.0277
5	4.45	n-Propanol	178591	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/29/2012
Today's Time = 10:57:42 AM
Bound File Name = VFL11282012.0045.RAW
Sample Name = CCS
Date Taken = 11/28/2012 10:29:03 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11282012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	61877	0.0788
4	3.64	t-Butanol	129625	1.0220
5	4.45	n-Propanol	155413	1.0000

Avg #44 & #45 = 0.078
RZM 11/29/12