VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster Interference Solution

On 5/10/2013, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster Interference Check solution. The solution was prepared per standard laboratory practice and assigned the lot number 13-06-040 and an expiration date of 5/10/2014.

On 5/13/2013 and 5/15/2013, the solution was analyzed against calibration VFL05132013 and SIM05152013. 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 0.039 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Interference Check solution.

Dated at Waterbury, Vermont on Friday, May 17, 2013.

Rebecca Mead

Rebecca Mead

0.04 Interference Solution 2L
Lot # 13-06-040
Prepared 05/10/2013 by RLM
Exp 05/10/2014

ALB CAL VFL05132013
ALB/RLM Vials
Analyzed on 05/13/2013

0.0387 alb
0.0408
0.0396
0.0405
0.0399
0.0406
0.0395
0.0394 rlm
0.0397
0.0393
0.0401
0.0389
0.0395
0.0392

Ave. = 0.0397
Std Dev. = 0.0006
Range = 0.0387-0.0408

RLM CAL SIM05152013
RLM/ALB Vials
Analyzed on 05/15/2013

0.0385 rlm
0.0392
0.0385
0.0396
0.0387
0.0394
0.0383
0.0402 alb
0.0389
0.0401
0.0390
0.0401
0.0391
0.0397

Ave. = 0.0392
Std Dev. = 0.0006
Range = 0.0383-0.0402

Total Values from Both Runs

Average	Mean
0.0387	0.0383
0.0408	0.0385
0.0396	
0.0405	0.0387
0.0399	
0.0406	0.0389
0.0395	
0.0394	0.0390
0.0397	0.0391
0.0393	0.0392
0.0401	
0.0389	0.0393
0.0395	0.0394
0.0392	
0.0385	0.0395
0.0392	
0.0385	0.0396
0.0396	
0.0387	0.0397
0.0394	
0.0383	0.0399
0.0402	0.0401
0.0389	
0.0401	
0.0390	0.0402
0.0401	0.0405
0.0391	0.0406
0.0397	0.0408

Ave. =	0.0395
Avg Std Dev. =	0.0007
Mean =	0.0395
Mean Std Dev. =	0.0007
Range =	0.0383-0.0408
RPD =	6.33%

5/21/2013

Headspace Alcohol Analysis Standards Coversheet

Analyst: ALB/RLM Date: 5/13/13

5/21/2013

Calibration Standards:

Lot ID: ES-04152013 Preparation Date: 04/15/2013 Expiration Date: 7/15/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check (c)
% Ethanol (w/v)	0.005	0.022	0.084	0.204	0.402	0.084
Acceptance Range (± 10%)	0.006	0.024	0.092	0.224	0.443	0.092
	0.004	0.020	0.075	0.183	0.362	0.075

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	1.89		
		Methanol	1.99		
		Ethanol	2.63		
		Acetone	3.04		
		Isopropanol	3.17		
		T- butanol	3.61		
		n-propanol	4.42		
3	Standard A		0.005	(Y) N	
4	Standard B		0.022	(Y) N	
5	Standard C		0.084	(Y) N	
6	Standard D		0.199	(Y) N	
7	Standard E		0.405	(Y) N	
8	Aqueous QC		0.0785	(Y) N	Avg = 0.080 (100% recovery) ✓
9	Aqueous QC		0.0813	(Y) N	

13-06-040 2 RLM

File Name: C:\Methods\VFL05132013.CAL
Version: 7

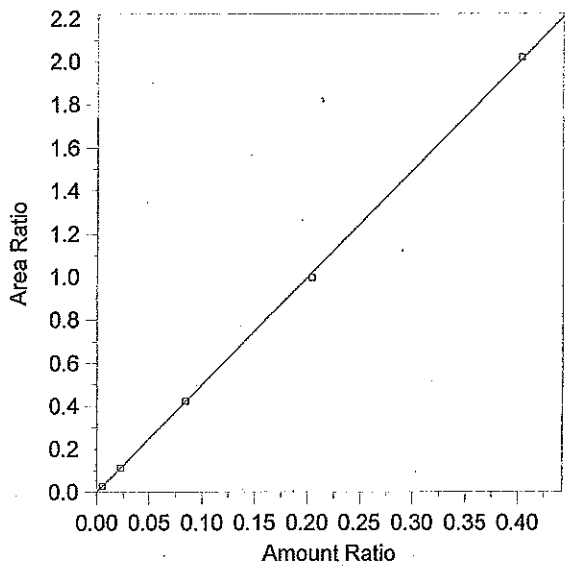
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1500
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:	2.635 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

$Y = 4.990887 X + 0$

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9997844
Average error:	1.146%
Average CF:	5.005598
RSD:	1.526%

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	4241.718	771221.4	2.129	0.0055	2.803435E-02	C:\Alcohol Data\VFL05132013\VFL05132013.0003.BND	5/13/2013 12:10:58 PM
3	0.0221	17204.18	778469.7	0.561	0.0221	0.1109173	C:\Alcohol Data\VFL05132013\VFL05132013.0004.BND	5/13/2013 12:28:45 PM
4	0.084	62269.2	741300	0.386	0.084	0.4208522	C:\Alcohol Data\VFL05132013\VFL05132013.0005.BND	5/13/2013 12:42:39 PM
5	0.2037	146482.4	719108.5	-2.128	0.2037	0.9950081	C:\Alcohol Data\VFL05132013\VFL05132013.0006.BND	5/13/2013 1:00:09 PM
6	0.4026	302265.5	750783.7	0.526	0.4026	2.019898	C:\Alcohol Data\VFL05132013\VFL05132013.0007.BND	5/13/2013 1:13:56 PM

13-06-040 3 RM

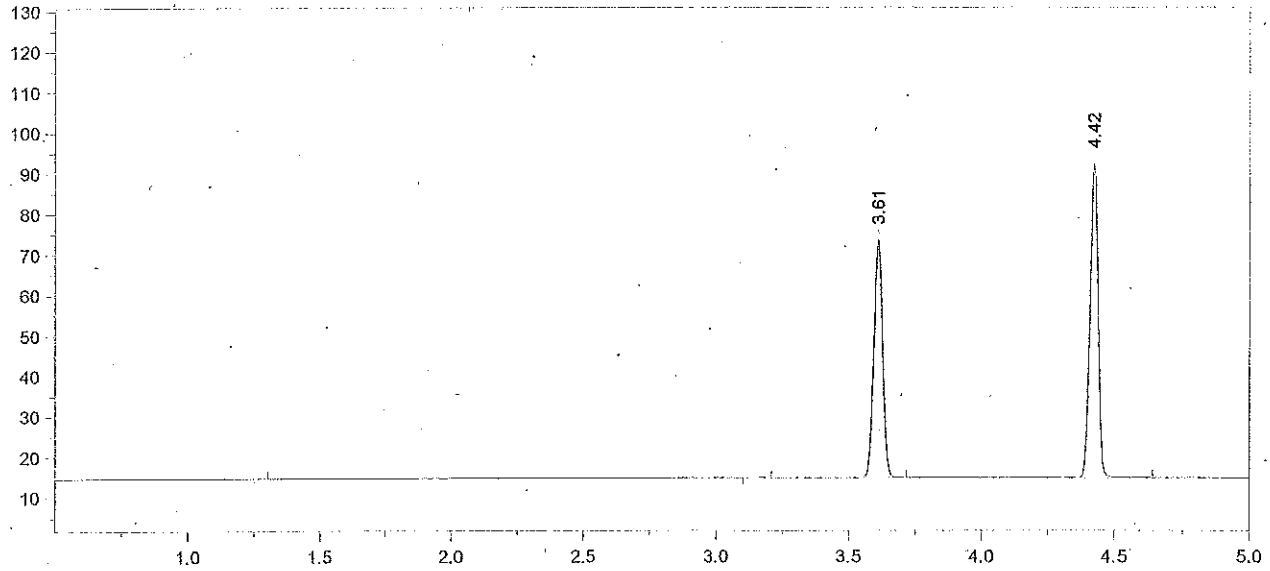
File Name = C:\Alcohol Data\VFL05132013\VFL05132013.SEQ
Version = 2
File Date = 5/13/2013 11:02:35 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL05132013.0001.raw	simsoln.met	Blank	1.00	1.00
2	VFL05132013.0002.raw	simsoln.met	TMX	1.00	1.00
3	VFL05132013.0003.raw	simsoln.met	Std A	1.00	1.00
4	VFL05132013.0004.raw	simsoln.met	Std B	1.00	1.00
5	VFL05132013.0005.raw	simsoln.met	Std C	1.00	1.00
6	VFL05132013.0006.raw	simsoln.met	Std D	1.00	1.00
7	VFL05132013.0007.raw	simsoln.met	Std E	1.00	1.00
8	VFL05132013.0008.raw	simsoln.met	Aq QC	1.00	1.00
9	VFL05132013.0009.raw	simsoln.met	Aq QC	1.00	1.00
10	VFL05132013.0010.raw	simsoln.met	CCS	1.00	1.00
11	VFL05132013.0011.raw	simsoln.met	CCS	1.00	1.00
12	VFL05132013.0012.raw	simsoln.met	0.1 ALB	1.00	1.00
13	VFL05132013.0013.raw	simsoln.met	0.1 ALB	1.00	1.00
14	VFL05132013.0014.raw	simsoln.met	0.1 ALB	1.00	1.00
15	VFL05132013.0015.raw	simsoln.met	0.1 ALB	1.00	1.00
16	VFL05132013.0016.raw	simsoln.met	0.1 ALB	1.00	1.00
17	VFL05132013.0017.raw	simsoln.met	0.1 ALB	1.00	1.00
18	VFL05132013.0018.raw	simsoln.met	0.1 ALB	1.00	1.00
19	VFL05132013.0019.raw	simsoln.met	CCS	1.00	1.00
20	VFL05132013.0020.raw	simsoln.met	CCS	1.00	1.00
21	VFL05132013.0021.raw	simsoln.met	0.1 RLM	1.00	1.00
22	VFL05132013.0022.raw	simsoln.met	0.1 RLM	1.00	1.00
23	VFL05132013.0023.raw	simsoln.met	0.1 RLM	1.00	1.00
24	VFL05132013.0024.raw	simsoln.met	0.1 RLM	1.00	1.00
25	VFL05132013.0025.raw	simsoln.met	0.1 RLM	1.00	1.00
26	VFL05132013.0026.raw	simsoln.met	0.1 RLM	1.00	1.00
27	VFL05132013.0027.raw	simsoln.met	0.1 RLM	1.00	1.00
28	VFL05132013.0028.raw	simsoln.met	CCS	1.00	1.00
29	VFL05132013.0029.raw	simsoln.met	CCS	1.00	1.00
30	VFL05132013.0030.raw	simsoln.met	0.02 ALB	1.00	1.00
31	VFL05132013.0031.raw	simsoln.met	0.02 ALB	1.00	1.00
32	VFL05132013.0032.raw	simsoln.met	0.02 ALB	1.00	1.00
33	VFL05132013.0033.raw	simsoln.met	0.02 ALB	1.00	1.00
34	VFL05132013.0034.raw	simsoln.met	0.02 ALB	1.00	1.00
35	VFL05132013.0035.raw	simsoln.met	0.02 ALB	1.00	1.00
36	VFL05132013.0036.raw	simsoln.met	0.02 ALB	1.00	1.00
37	VFL05132013.0037.raw	simsoln.met	CCS	1.00	1.00
38	VFL05132013.0038.raw	simsoln.met	CCS	1.00	1.00
39	VFL05132013.0039.raw	simsoln.met	0.02 RLM	1.00	1.00
40	VFL05132013.0040.raw	simsoln.met	0.02 RLM	1.00	1.00
41	VFL05132013.0041.raw	simsoln.met	0.02 RLM	1.00	1.00
42	VFL05132013.0042.raw	simsoln.met	0.02 RLM	1.00	1.00
43	VFL05132013.0043.raw	simsoln.met	0.02 RLM	1.00	1.00
44	VFL05132013.0044.raw	simsoln.met	0.02 RLM	1.00	1.00
45	VFL05132013.0045.raw	simsoln.met	0.02 RLM	1.00	1.00
46	VFL05132013.0046.raw	simsoln.met	CCS	1.00	1.00
47	VFL05132013.0047.raw	simsoln.met	CCS	1.00	1.00
48	VFL05132013.0048.raw	simsoln.met	0.04 ALB	1.00	1.00
49	VFL05132013.0049.raw	simsoln.met	0.04 ALB	1.00	1.00
50	VFL05132013.0050.raw	simsoln.met	0.04 ALB	1.00	1.00
51	VFL05132013.0051.raw	simsoln.met	0.04 ALB	1.00	1.00
52	VFL05132013.0052.raw	simsoln.met	0.04 ALB	1.00	1.00
53	VFL05132013.0053.raw	simsoln.met	0.04 ALB	1.00	1.00
54	VFL05132013.0054.raw	simsoln.met	0.04 ALB	1.00	1.00
55	VFL05132013.0055.raw	simsoln.met	CCS	1.00	1.00
56	VFL05132013.0056.raw	simsoln.met	CCS	1.00	1.00
57	VFL05132013.0057.raw	simsoln.met	CCS	1.00	1.00
58	VFL05132013.0058.raw	simsoln.met	CCS	1.00	1.00
59	VFL05132013.0059.raw	simsoln.met	0.04 RLM	1.00	1.00
60	VFL05132013.0060.raw	simsoln.met	0.04 RLM	1.00	1.00
61	VFL05132013.0061.raw	simsoln.met	0.04 RLM	1.00	1.00
62	VFL05132013.0062.raw	simsoln.met	0.04 RLM	1.00	1.00

13-06-040 4 RLM

Chrom Perfect Sequence File

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	VFL05132013.0063.raw	simsoln.met	0.04 RLM	1.00	1.00
64	VFL05132013.0064.raw	simsoln.met	0.04 RLM	1.00	1.00
65	VFL05132013.0065.raw	simsoln.met	0.04 RLM	1.00	1.00
66	VFL05132013.0066.raw	simsoln.met	CCS	1.00	1.00
67	VFL05132013.0067.raw	simsoln.met	CCS	1.00	1.00
68	VFL05132013.0068.raw	simsoln.met	0.08 ALB	1.00	1.00
69	VFL05132013.0069.raw	simsoln.met	0.08 ALB	1.00	1.00
70	VFL05132013.0070.raw	simsoln.met	0.08 ALB	1.00	1.00
71	VFL05132013.0071.raw	simsoln.met	0.08 ALB	1.00	1.00
72	VFL05132013.0072.raw	simsoln.met	0.08 ALB	1.00	1.00
73	VFL05132013.0073.raw	simsoln.met	0.08 ALB	1.00	1.00
74	VFL05132013.0074.raw	simsoln.met	0.08 ALB	1.00	1.00
75	VFL05132013.0075.raw	simsoln.met	CCS	1.00	1.00
76	VFL05132013.0076.raw	simsoln.met	CCS	1.00	1.00
77	VFL05132013.0077.raw	simsoln.met	0.08 RLM	1.00	1.00
78	VFL05132013.0078.raw	simsoln.met	0.08 RLM	1.00	1.00
79	VFL05132013.0079.raw	simsoln.met	0.08 RLM	1.00	1.00
80	VFL05132013.0080.raw	simsoln.met	0.08 RLM	1.00	1.00
81	VFL05132013.0081.raw	simsoln.met	0.08 RLM	1.00	1.00
82	VFL05132013.0082.raw	simsoln.met	0.08 RLM	1.00	1.00
83	VFL05132013.0083.raw	simsoln.met	0.08 RLM	1.00	1.00
84	VFL05132013.0084.raw	simsoln.met	CCS	1.00	1.00
85	VFL05132013.0085.raw	simsoln.met	CCS	1.00	1.00

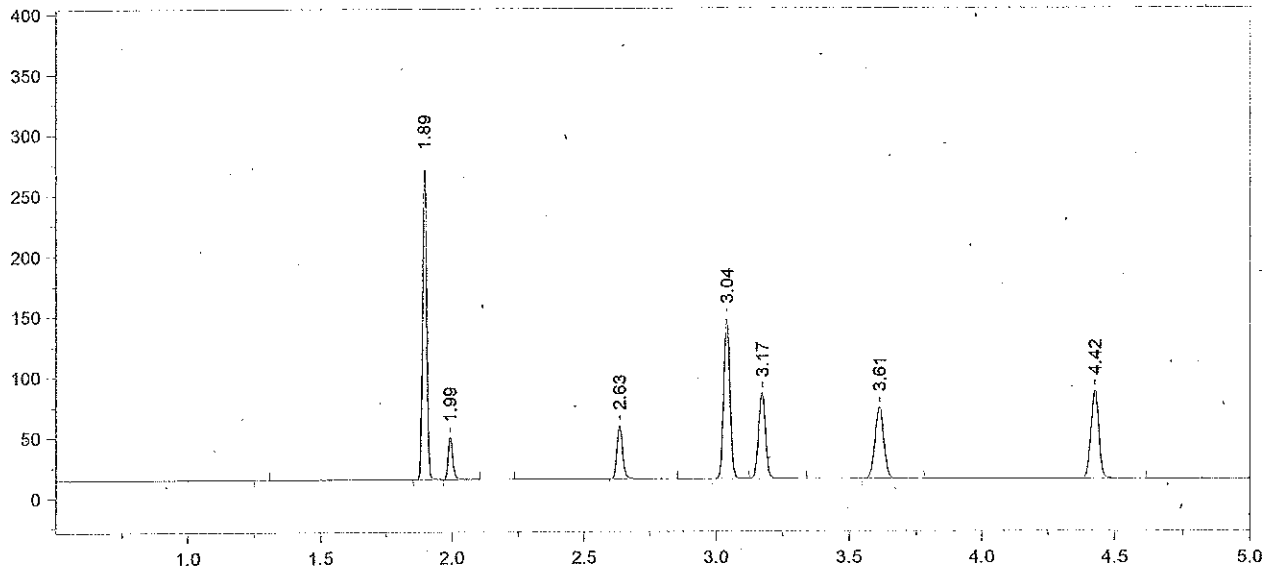


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 2:38:11 PM
Bound File Name = VFL05132013.0001.RAW
Sample Name = Blank
Date Taken = 5/13/2013 11:39:51 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	3.61	t-Butanol	134630	0.9614	0.7847
4	4.42	n-Propanol	163376	1.0000	0.8162

13-06-040 6 RLM



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Today's Time = 2:38:19 PM
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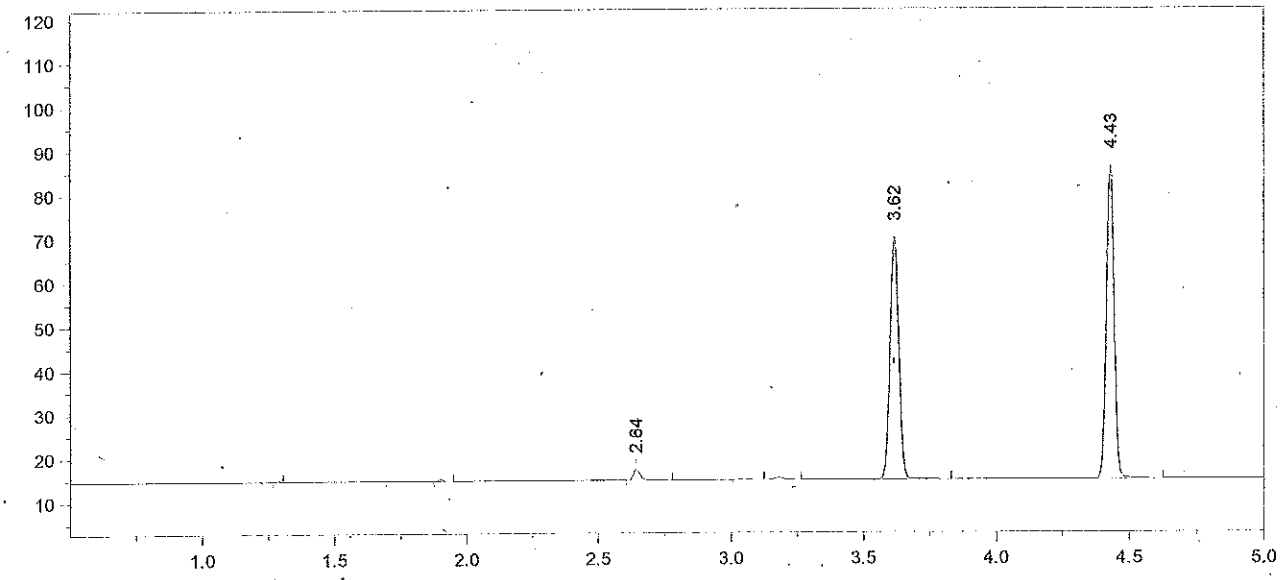
Sample Name = TMX
Date Taken = 5/13/2013 11:57:15 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	1.89	Acetaldehyde	289144	0.0720	0.0588
3	1.99	Methanol	41269	0.1210	0.0988
4	2.63	Ethanol	66628	0.0870	0.0710
5	3.04	Acetone	222270	0.0690	0.0563
6	3.17	Isopropanol	131299	0.0830	0.0677
7	3.61	t-Butanol	134962	1.0260	0.8374
8	4.42	n-Propanol	153465	1.0000	0.8162

13-06-040 7 RLM



Format File Name = simsoln-JFH.met.FMT

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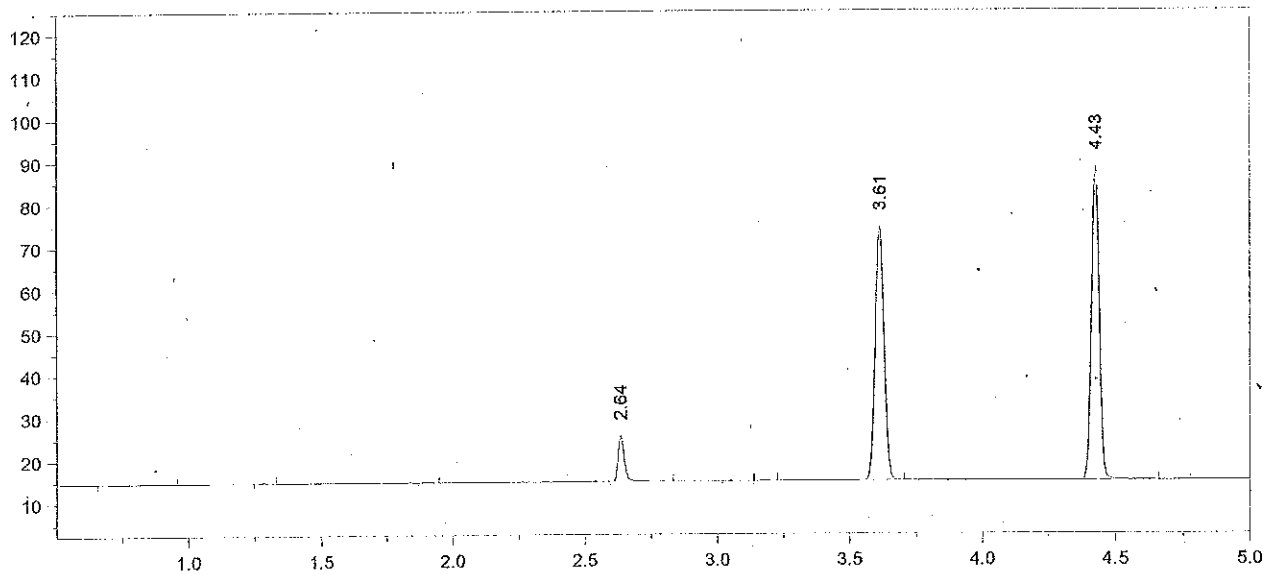
Today's Time = 2:38:25 PM
Bound File Name = VFL05132013.0003.RAW
Sample Name = Std A
Date Taken = 5/13/2013 12:10:53 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.64	Ethanol	04242	0.0056	0.0046
6	3.62	t-Butanol	127132	0.9803	0.8001
7	4.43	n-Propanol	151304	1.0000	0.8162

13-06-040 8 RRM



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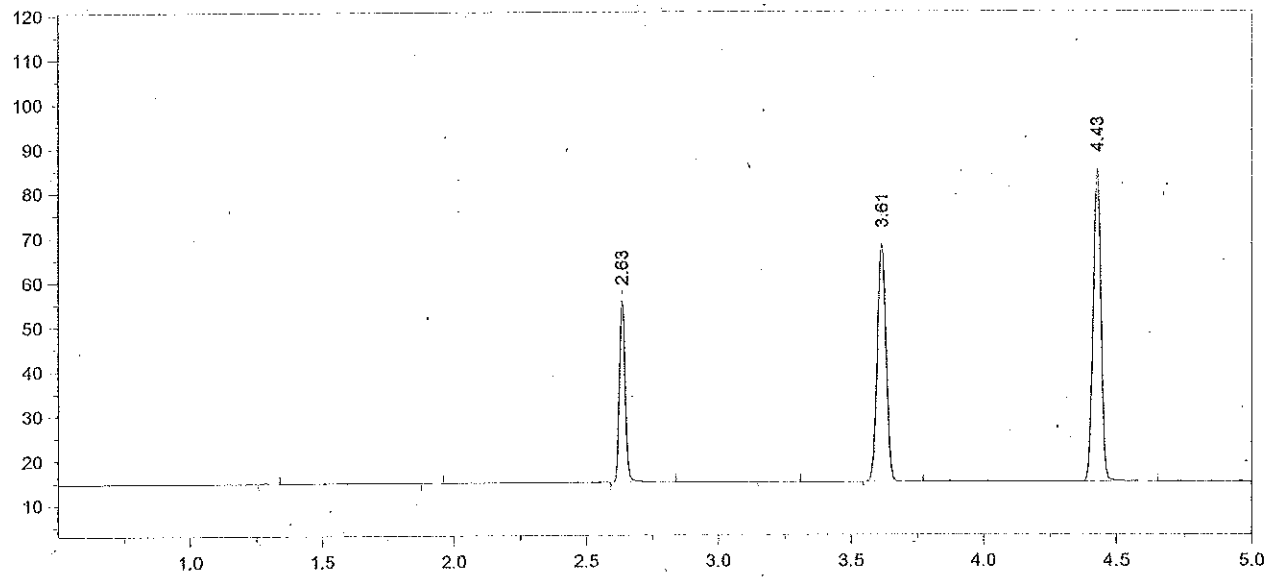
Today's Time = 2:38:31 PM
Bound File Name = VFL05132013.0004.RAW
Sample Name = Std B
Date Taken = 5/13/2013 12:28:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
4	2.64	Ethanol	17204	0.0222 *	0.0181
7	3.61	t-Butanol	136760	1.0287	0.8396
8	4.43	n-Propanol	155108	1.0000	0.8162

13-06-040
~~13-04~~ RKM 5/21/13 9 RKM



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Today's Time = 2:38:37 PM
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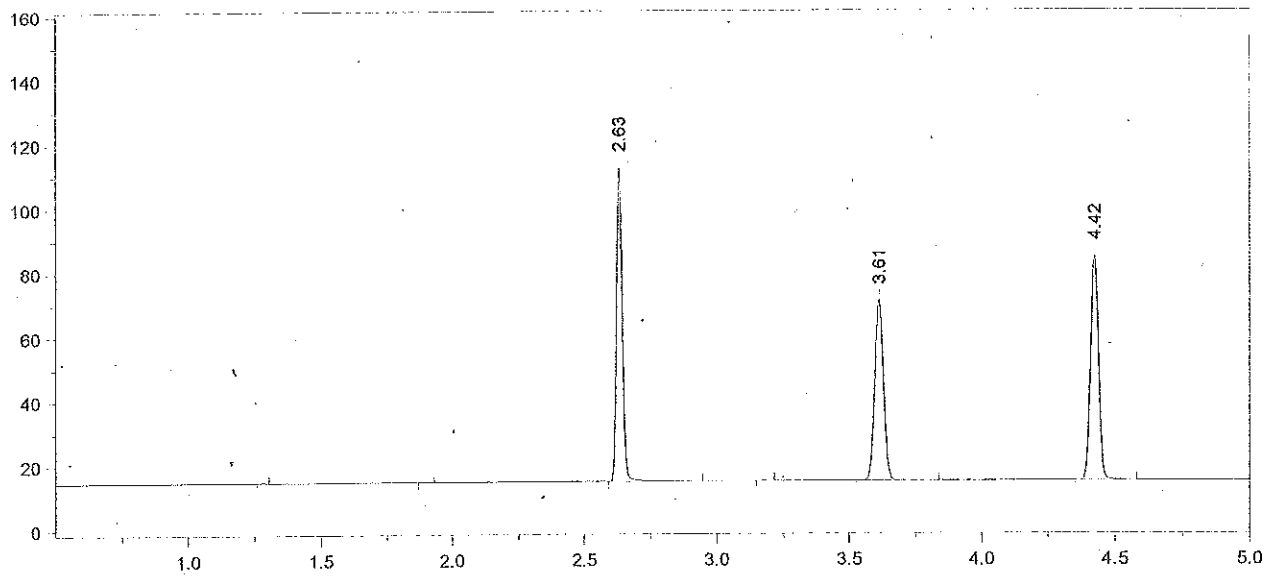
Sample Name = Std C
Date Taken = 5/13/2013 12:42:35 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	62269	0.0843 *	0.0688
5	3.61	t-Butanol	123044	0.9702	0.7919
6	4.43	n-Propanol	147960	1.0000	0.8162

13-06-040 10 RLM



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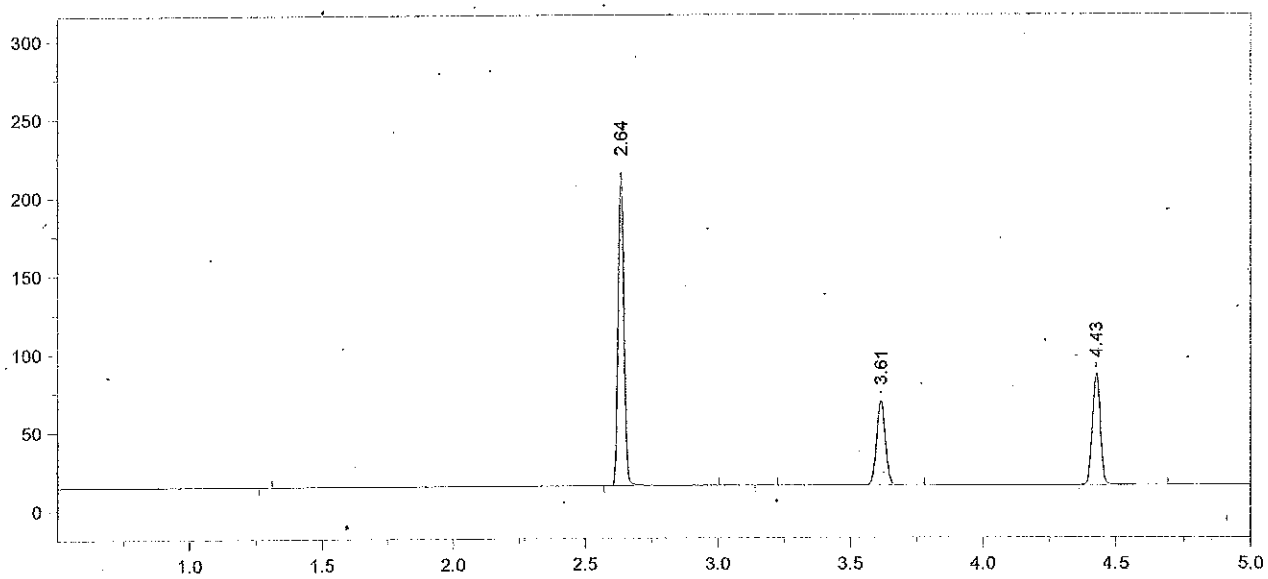
Today's Time = 2:38:44 PM
Bound File Name = VFL05132013.0006.RAW
Sample Name = Std D
Date Taken = 5/13/2013 1:00:01 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	146482	0.1994 *	0.1627
5	3.61	t-Butanol	129439	1.0258	0.8373
6	4.42	n-Propanol	147217	1.0000	0.8162

13-06-040 11 RLM



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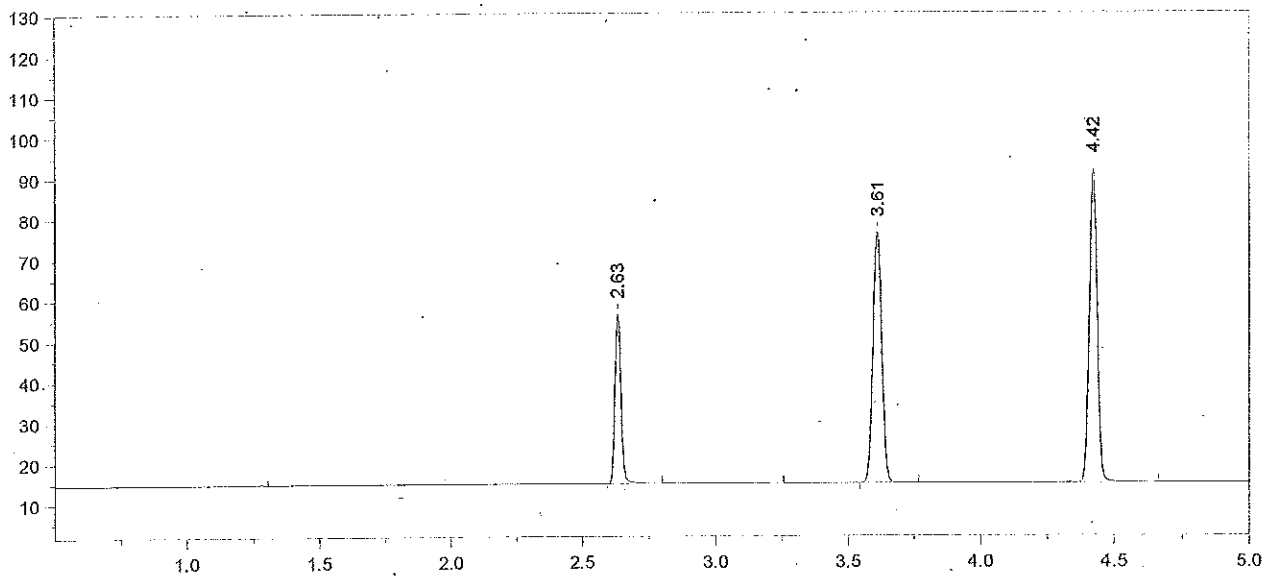
Sample Name = Std E
Date Taken = 5/13/2013 1:13:49 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	302266	0.4047 *	0.3303
4	3.61	t-Butanol	124279	0.9689	0.7908
5	4.43	n-Propanol	149644	1.0000	0.8162

13-06-040 12 [illegible]

Chrom Perfect Chromatogram Report



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Today's Time = 1:29:47 PM
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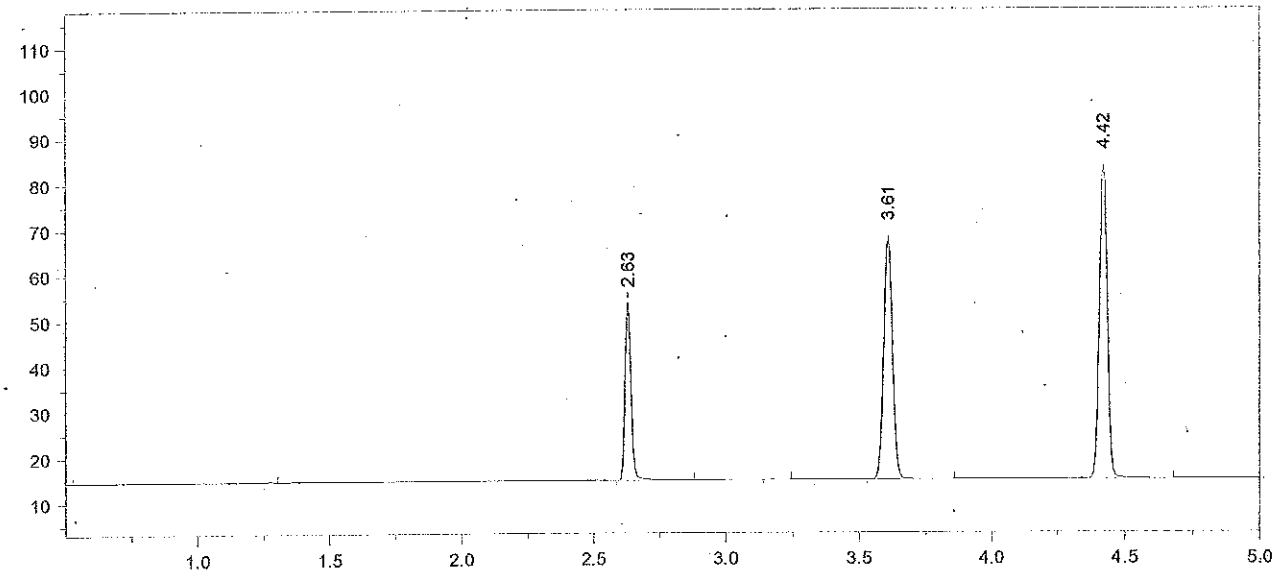
Sample Name = Aq QC
Date Taken = 5/13/2013 1:29:43 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	63550	0.0785 *	0.0641
4	3.61	t-Butanol	141755	1.0201	0.8326
5	4.42	n-Propanol	162121	1.0000	0.8162

13-06-040 13 RLM



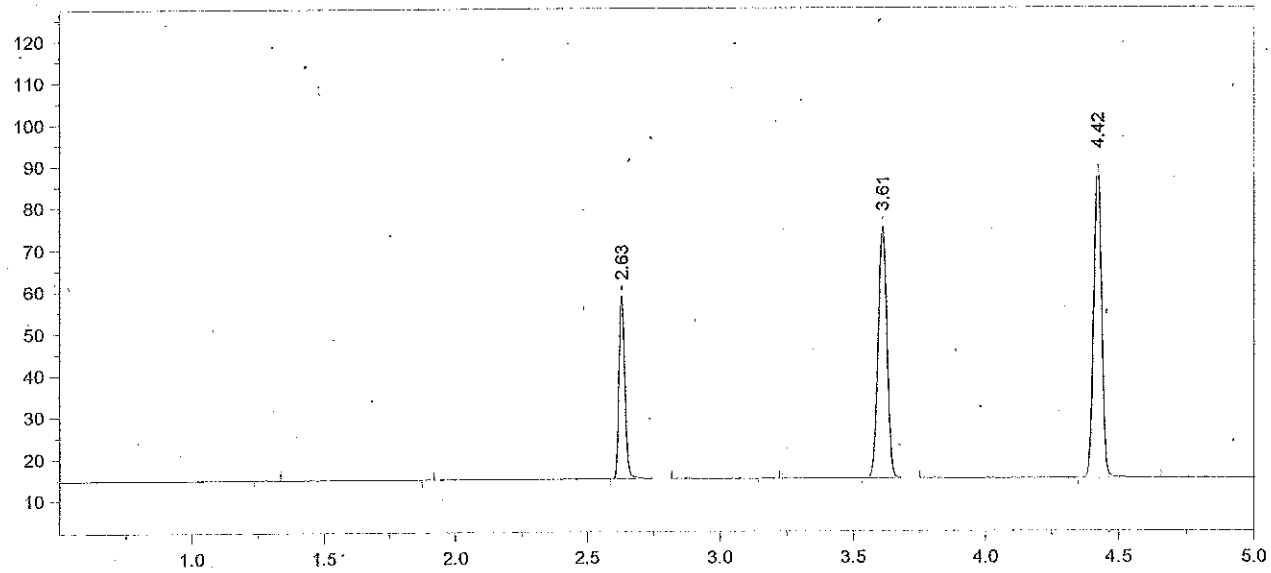
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 1:44:46 PM
Bound File Name = VFL05132013.0009.RAW
Sample Name = Aq QC
Date Taken = 5/13/2013 1:44:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	59530	0.0813 ✗	0.0664
4	3.61	t-Butanol	122710	0.9762	0.7968
5	4.42	n-Propanol	146653	1.0000	0.8162

Avg #8 + #9 = 0.080
RZM 5/15/13

13-06-040 14 RZM

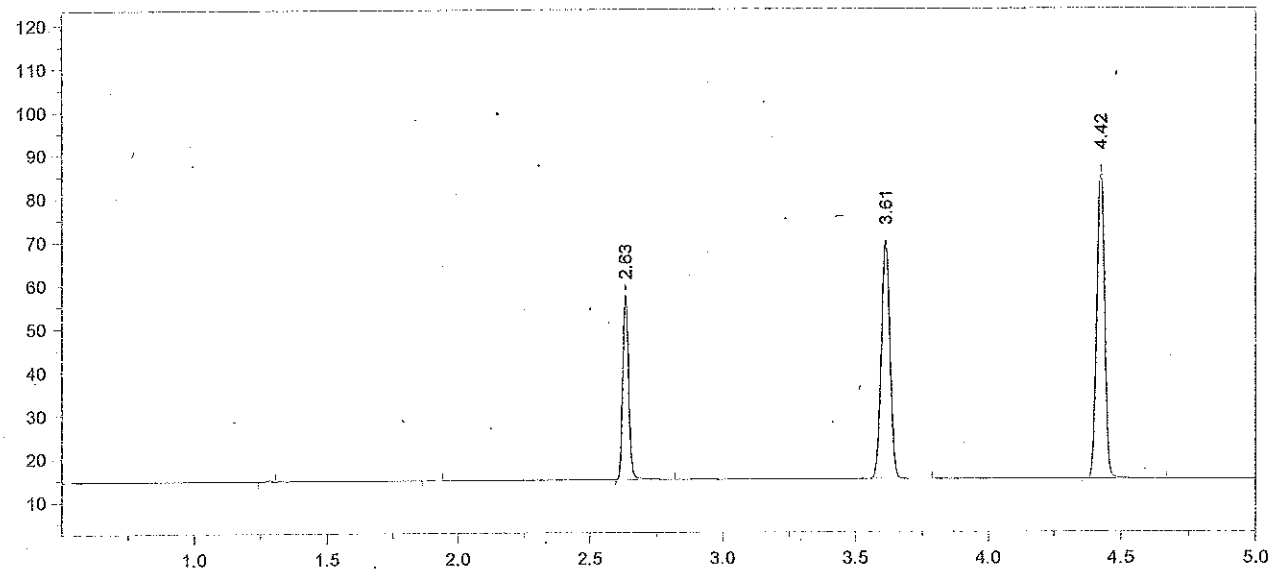


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 2:01:22 PM
Bound File Name = VFL05132013.0010.RAW
Sample Name = CCS
Date Taken = 5/13/2013 2:01:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	66352	0.0838	0.0684
5	3.61	t-Butanol	138684	1.0194	0.8320
6	4.42	n-Propanol	158726	1.0000	0.8162

13-06-040 15 RLM



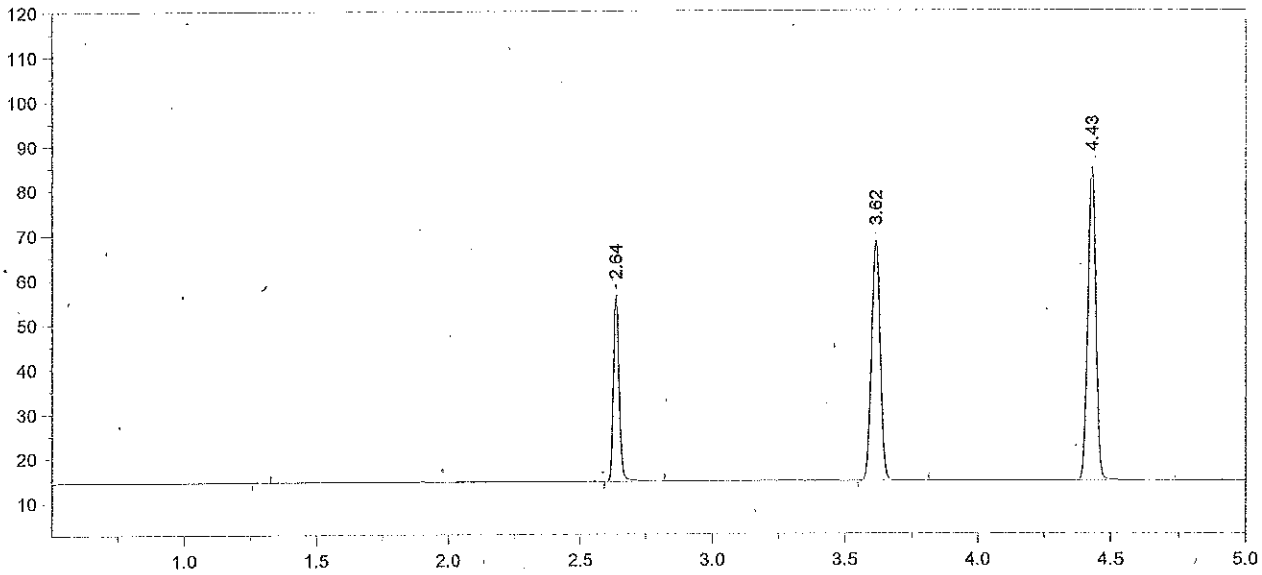
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 2:15:02 PM
Bound File Name = VFL05132013.0011.RAW
Sample Name = CCS
Date Taken = 5/13/2013 2:14:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	64661	0.0851 *	0.0694
4	3.61	t-Butanol	126674	0.9704	0.7920
5	4.42	n-Propanol	152305	1.0000	0.8162

Avg #10 + #11 = 0.084
RLM 5/15/13

13-06-040 16 RLM

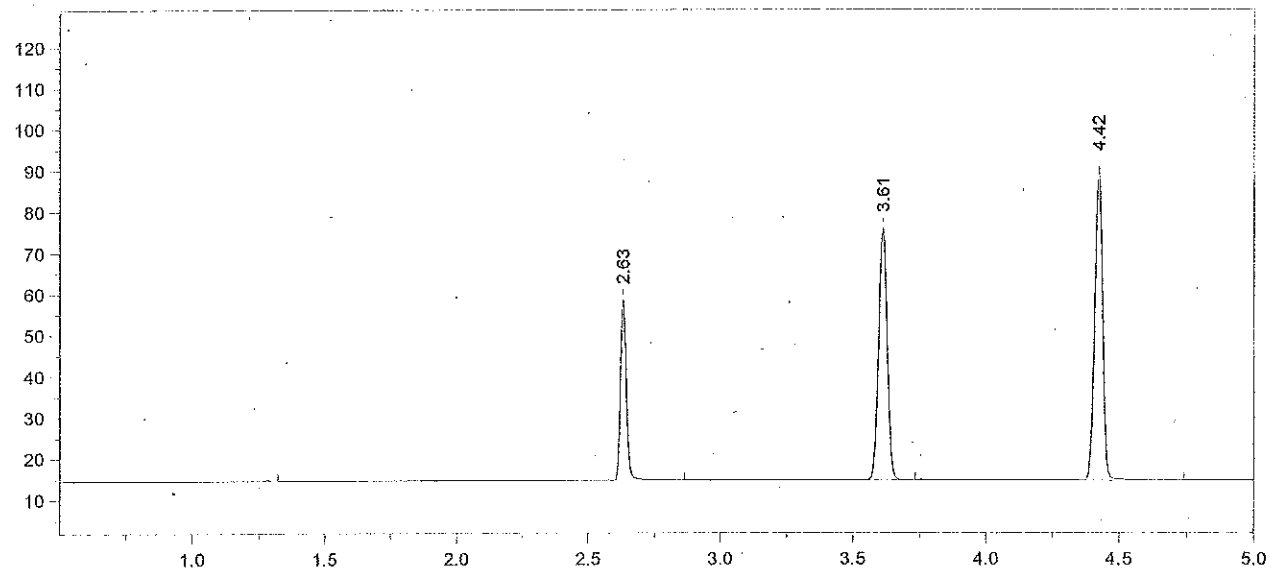


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 4:20:53 PM
Bound File Name = VFL05132013.0019.RAW
Sample Name = CCS
Date Taken = 5/13/2013 4:20:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	63475	0.0857 *	0.0699
3	3.62	t-Butanol	124283	0.9769	0.7974
4	4.43	n-Propanol	148426	1.0000	0.8162

13-06-040 17 RLM



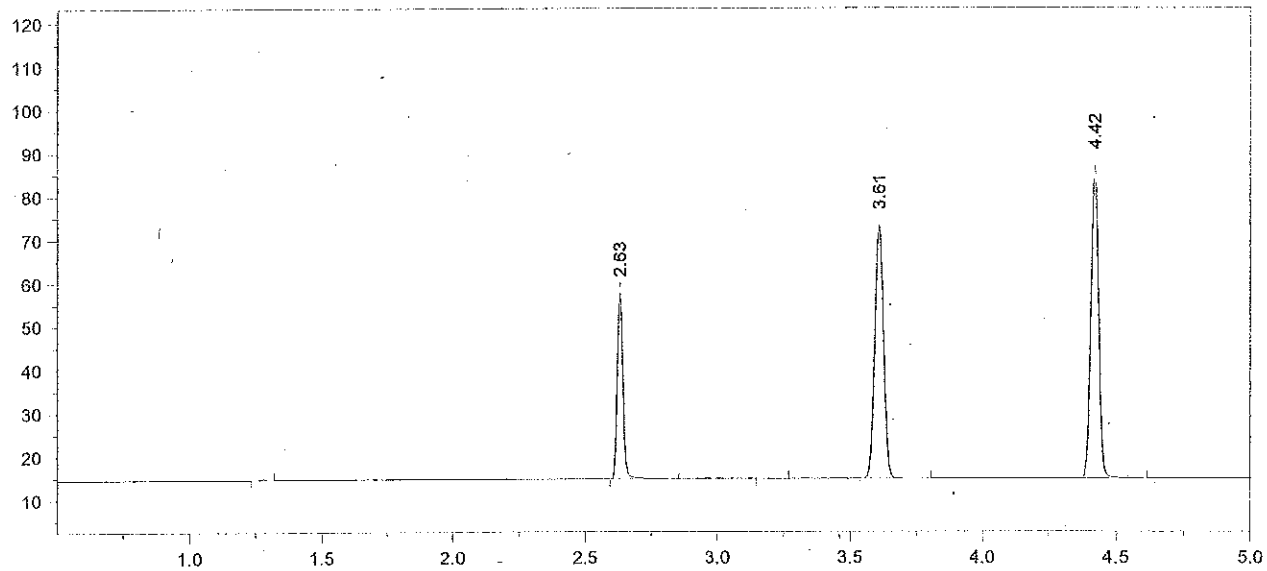
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 4:36:58 PM
Bound File Name = VFL05132013.0020.RAW
Sample Name = CCS
Date Taken = 5/13/2013 4:36:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	67419	0.0841 *	0.0687
3	3.61	t-Butanol	141173	1.0260	0.8374
4	4.42	n-Propanol	160536	1.0000	0.8162

Avg #19 + #20 = 0.085
RZM 5/15/13

13-06-040 18 RZM

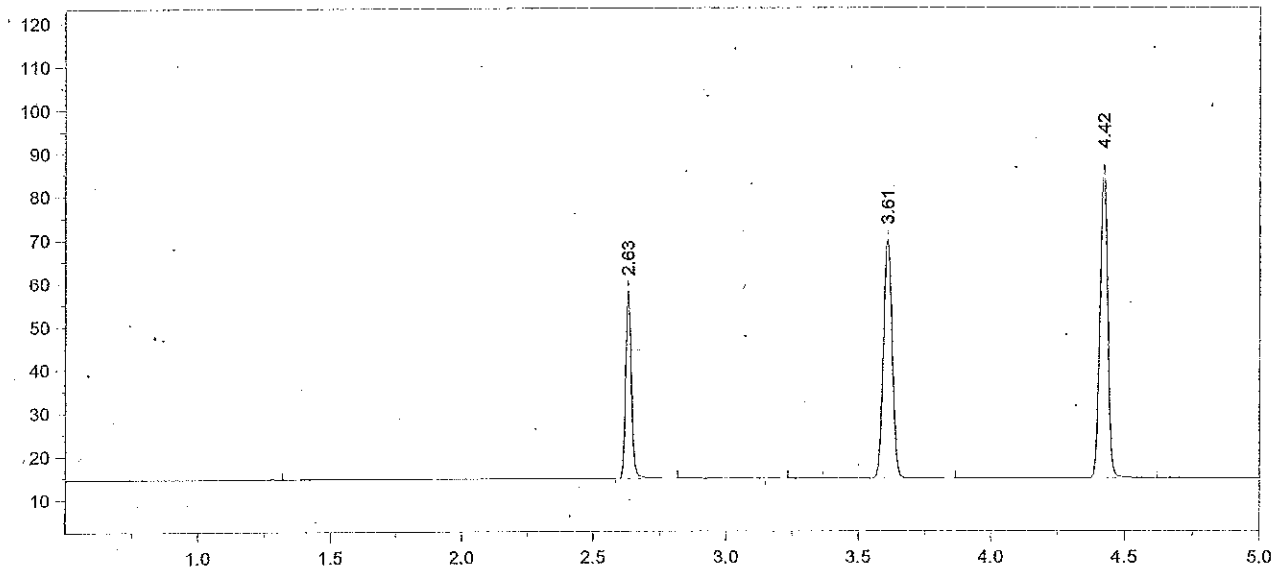


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 6:39:19 PM
Bound File Name = VFL05132013.0028.RAW
Sample Name = CCS
Date Taken = 5/13/2013 6:39:15 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	65065	0.0851 *	0.0695
4	3.61	t-Butanol	134397	1.0239	0.8357
5	4.42	n-Propanol	153145	1.0000	0.8162

13-06-040 19 RRM



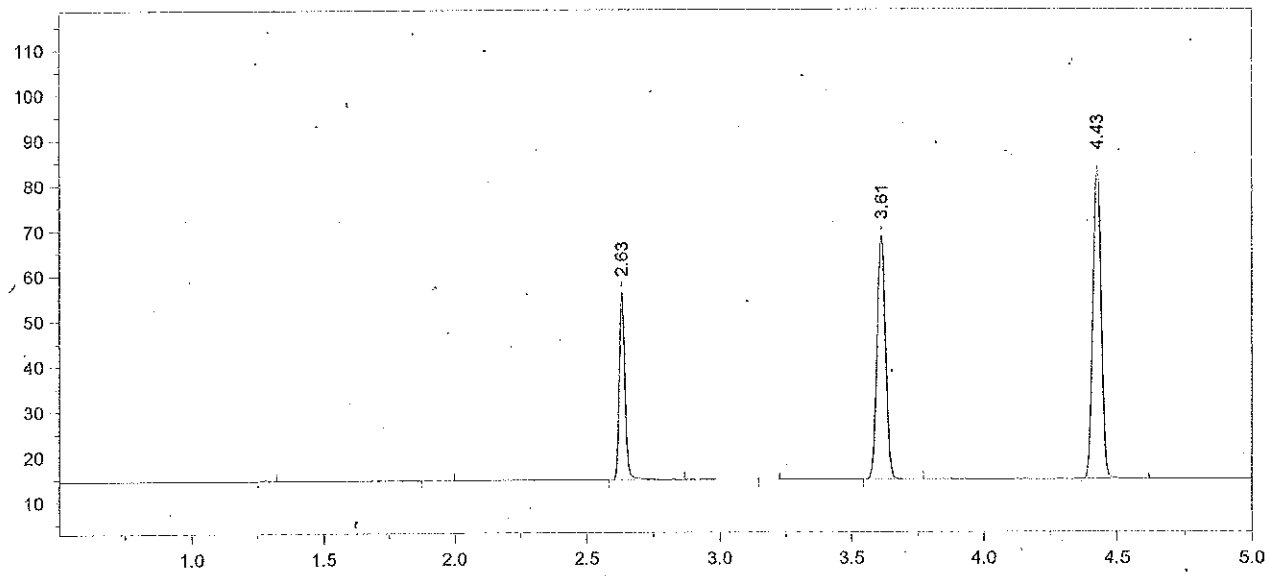
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 6:53:13 PM
Bound File Name = VFL05132013.0029.RAW
Sample Name = CCS
Date Taken = 5/13/2013 6:53:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	65463	0.0858 *	0.0700
4	3.61	t-Butanol	126926	0.9687	0.7906
5	4.42	n-Propanol	152876	1.0000	0.8162

Avg #28 + #29 = 0.085
RLM 5/15/13

13-06-040 20 RLM

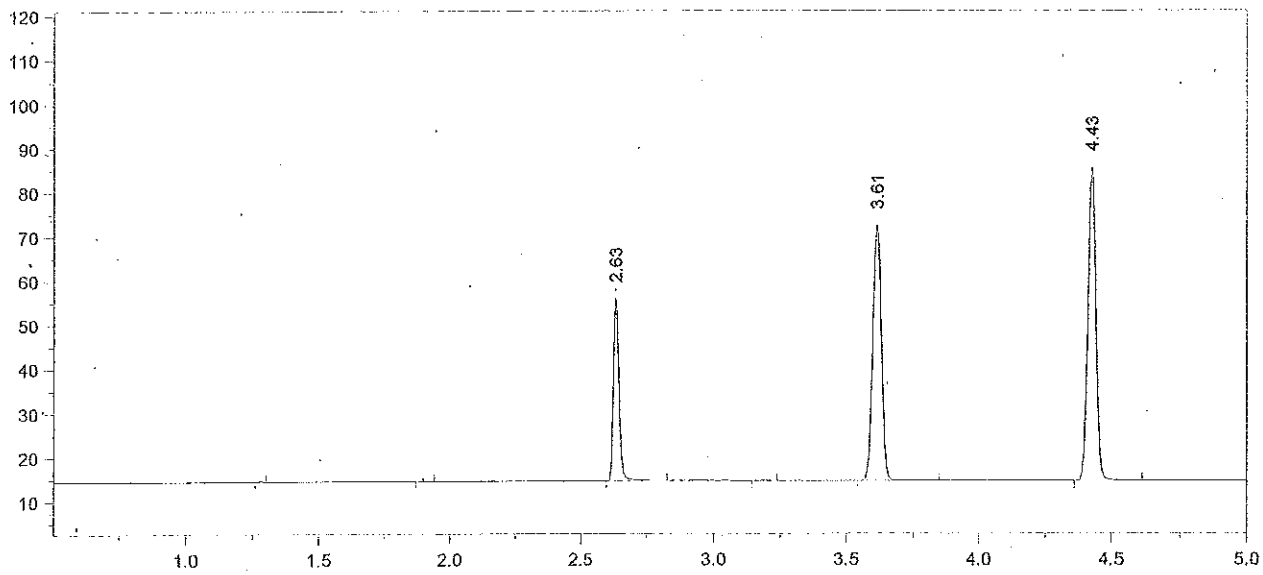


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 8:58:24 PM
Bound File Name = VFL05132013.0037.RAW
Sample Name = CCS
Date Taken = 5/13/2013 8:58:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	63118	0.0860 *	0.0702
5	3.61	t-Butanol	123961	0.9840	0.8032
6	4.43	n-Propanol	146970	1.0000	0.8162

13-06-040 21 RLM



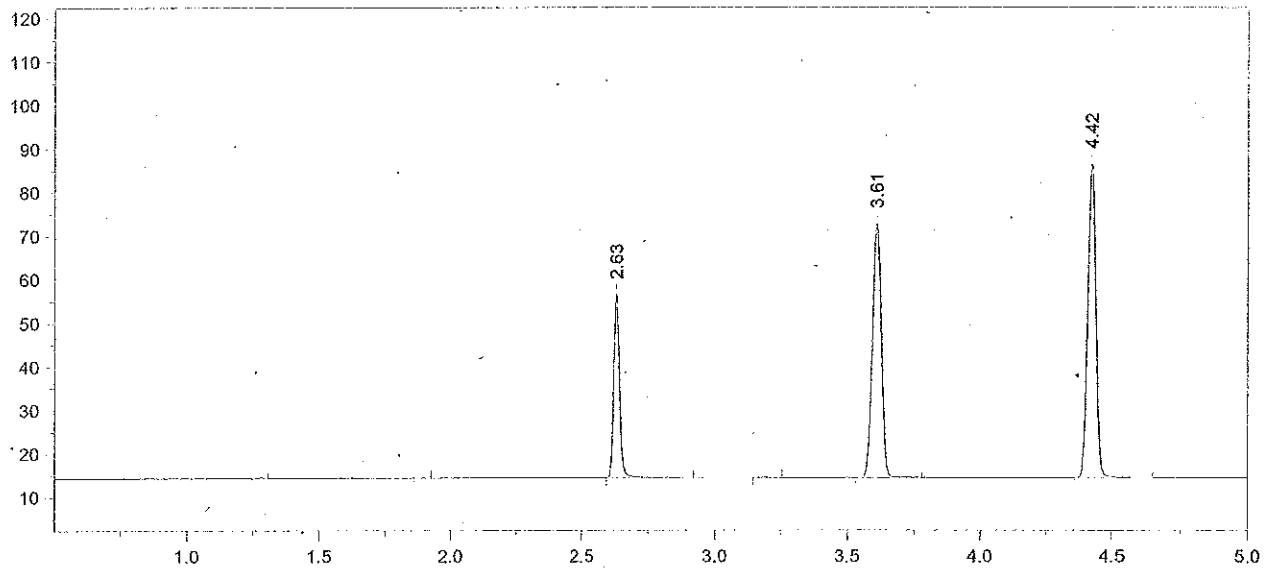
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 9:16:39 PM
Bound File Name = VFL05132013.0038.RAW
Sample Name = CCS
Date Taken = 5/13/2013 9:16:30 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	62780	0.0839 *	0.0684
5	3.61	t-Butanol	133299	1.0367	0.8462
6	4.43	n-Propanol	150011	1.0000	0.8162

Avg #37 + #38 = 0.085
RZM 5/15/13

13-06-040 22 RZM

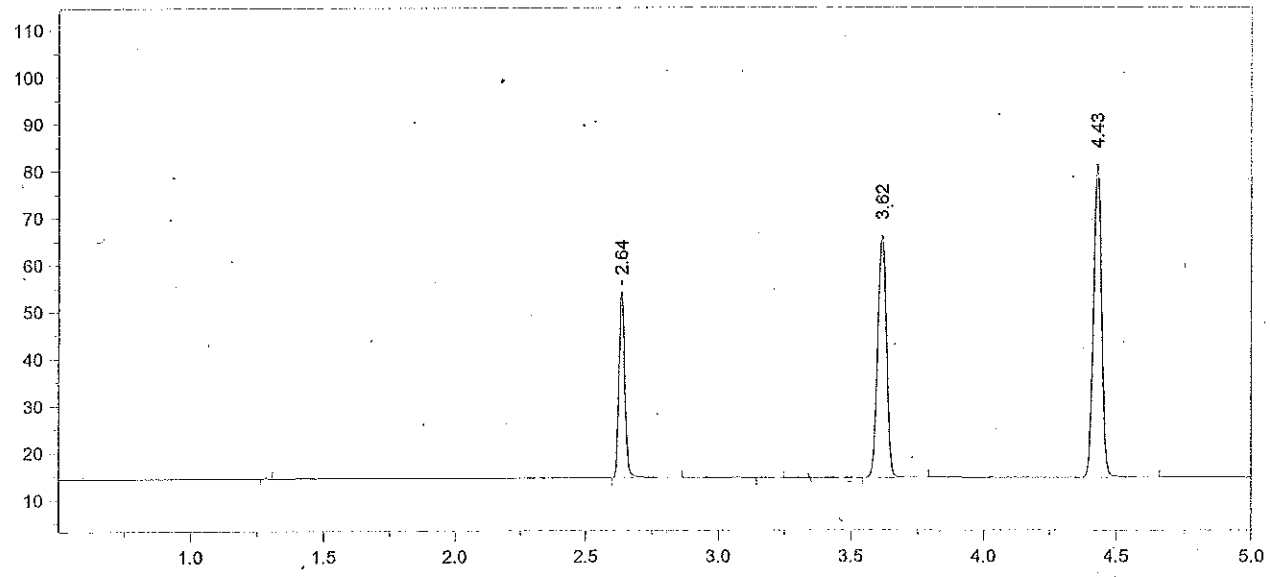


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 11:20:49 PM
Bound File Name = VFL05132013.0046.RAW
Sample Name = CCS
Date Taken = 5/13/2013 11:20:42 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	64057	0.0844 *	0.0689
5	3.61	t-Butanol	134181	1.0298	0.8405
6	4.42	n-Propanol	152019	1.0000	0.8162

13-06-040 23 RLM



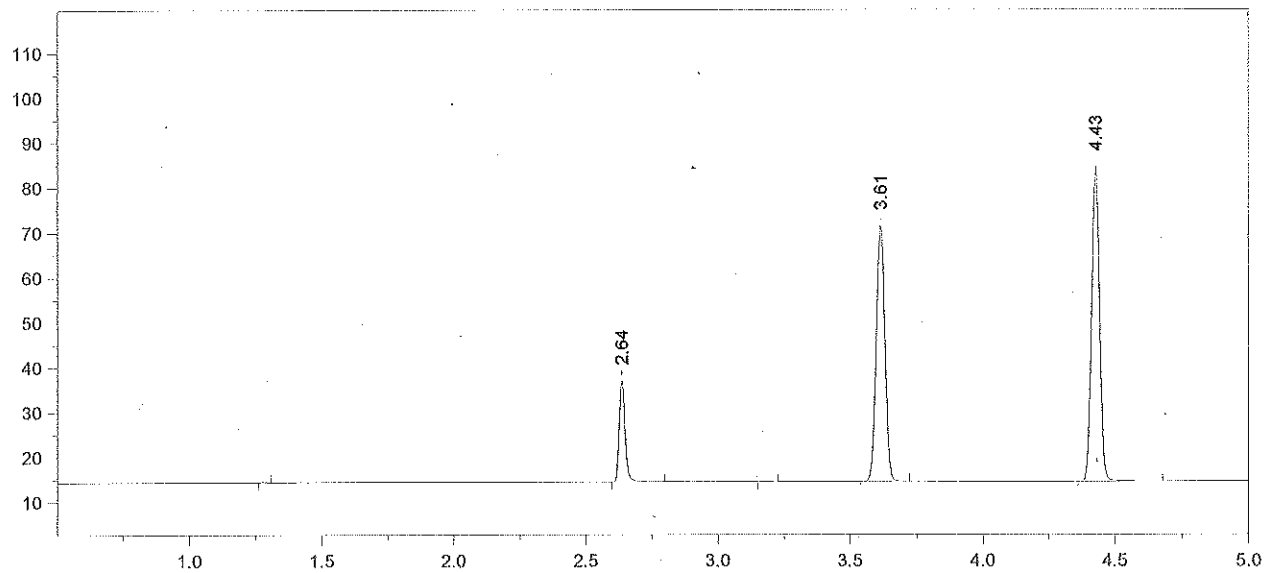
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 11:34:30 PM
Bound File Name = VFL05132013.0047.RAW
Sample Name = CCS
Date Taken = 5/13/2013 11:34:25 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	60566	0.0862 *	0.0703
4	3.62	t-Butanol	118793	0.9844	0.8034
5	4.43	n-Propanol	140797	1.0000	0.8162

Avg #46 + #47 = 0.085
RZM 5/15/13

13-06-040 24 RZM

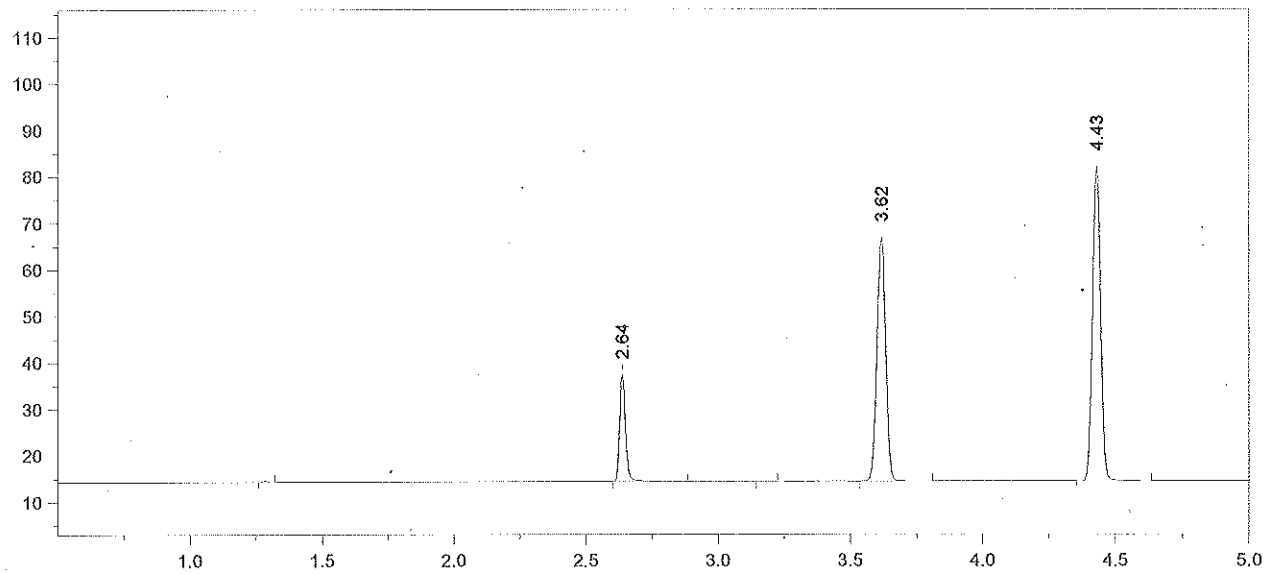


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 11:52:10 PM
Bound File Name = VFL05132013.0048.RAW
Sample Name = 0.04 ALB
Date Taken = 5/13/2013 11:52:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	34858	0.0474	0.0387
4	3.61	t-Butanol	130679	1.0346	0.8444
5	4.43	n-Propanol	147371	1.0000	0.8162

13-06-040 25 RZM

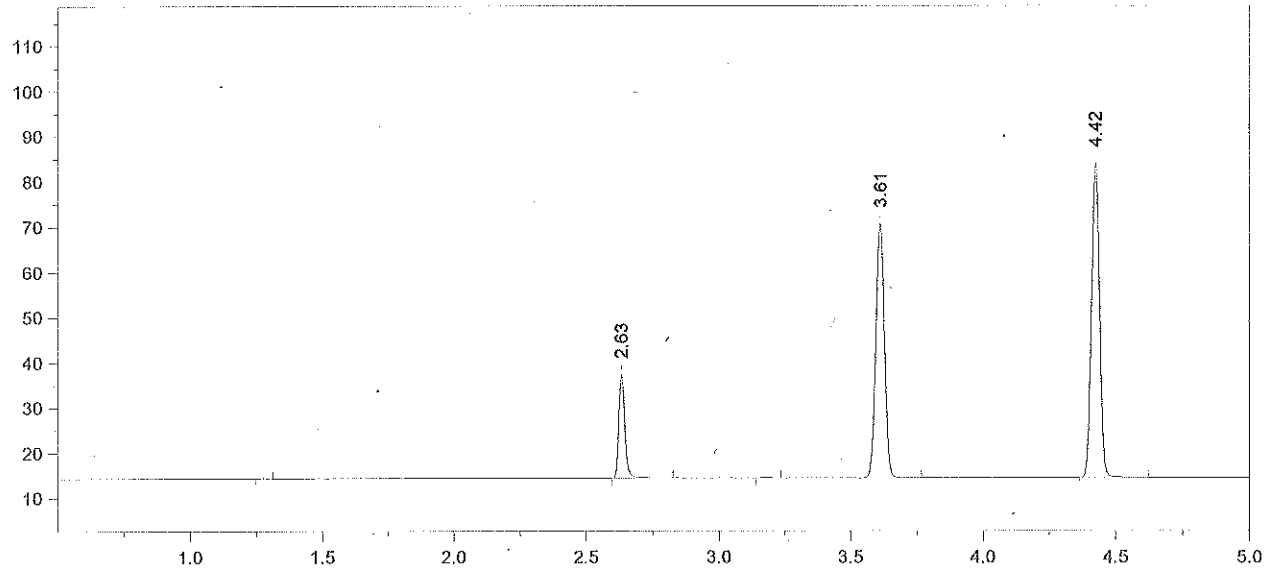


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 12:05:57 AM
Bound File Name = VFL05132013.0049.RAW
Sample Name = 0.04 ALB
Date Taken = 5/14/2013 12:05:49 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	35627	0.0500	0.0408
4	3.62	t-Butanol	120651	0.9853	0.8042
5	4.43	n-Propanol	142864	1.0000	0.8162

13-06-040 26 RLM

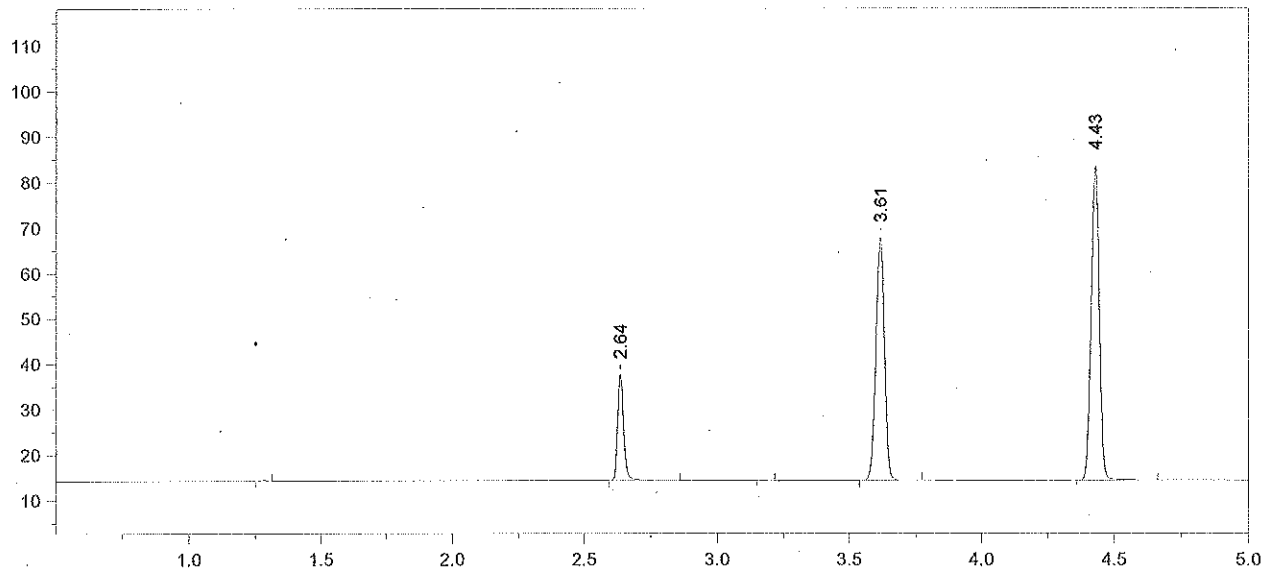


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 12:23:39 AM
Bound File Name = VFL05132013.0050.RAW
Sample Name = 0.04 ALB
Date Taken = 5/14/2013 12:23:33 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	35571	0.0485	0.0396
4	3.61	t-Butanol	129991	1.0325	0.8428
5	4.42	n-Propanol	146881	1.0000	0.8162

13-06-040 27 RLM

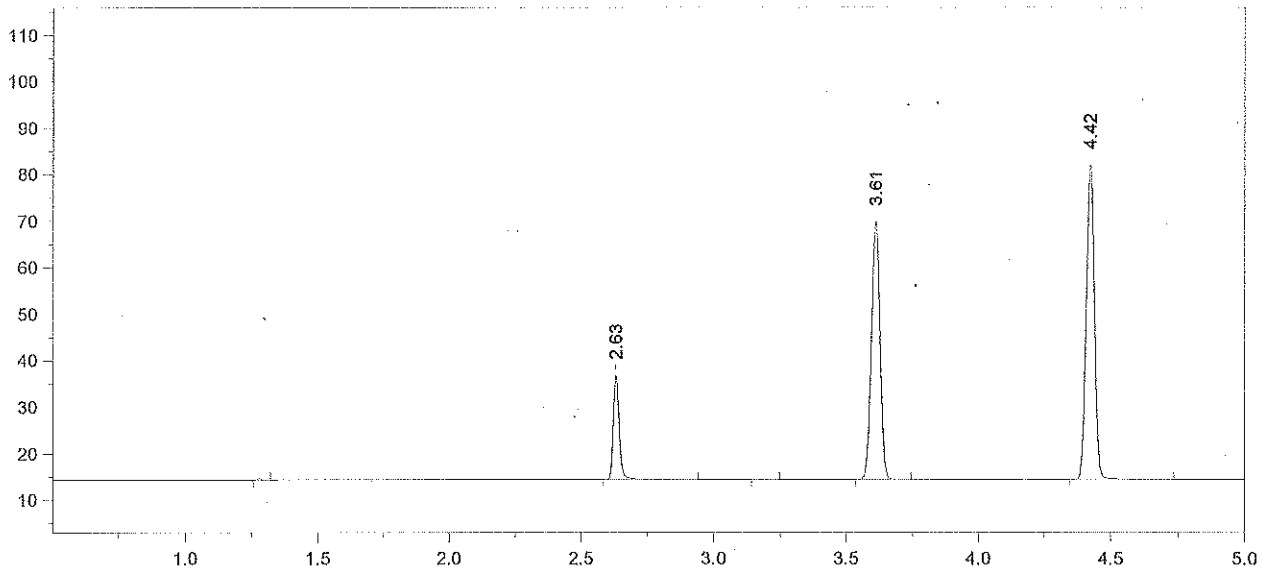


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 12:36:50 AM
Bound File Name = VFL05132013.0051.RAW
Sample Name = 0.04 ALB
Date Taken = 5/14/2013 12:36:46 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	36083	0.0496	0.0405
4	3.61	t-Butanol	122994	0.9841	0.8033
5	4.43	n-Propanol	145809	1.0000	0.8162

13-06-040 28 RGM

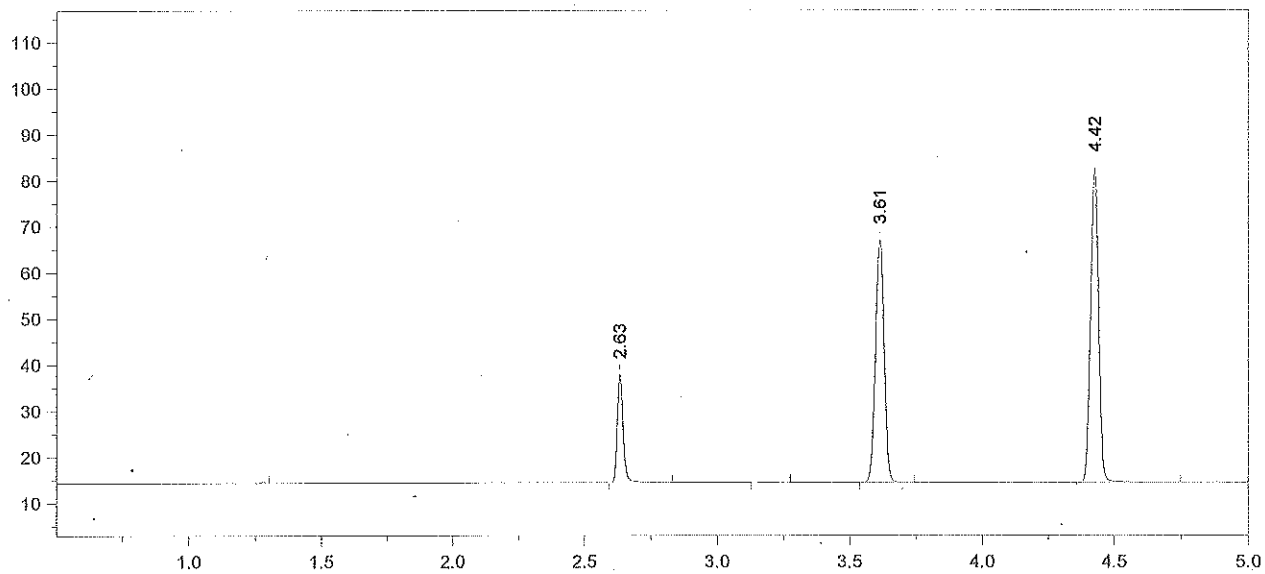


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 12:55:03 AM
Bound File Name = VFL05132013.0052.RAW
Sample Name = 0.04 ALB
Date Taken = 5/14/2013 12:54:58 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	34916	0.0489	0.0399
4	3.61	t-Butanol	127044	1.0352	0.8449
5	4.42	n-Propanol	143188	1.0000	0.8162

13-06-040 29 RLM

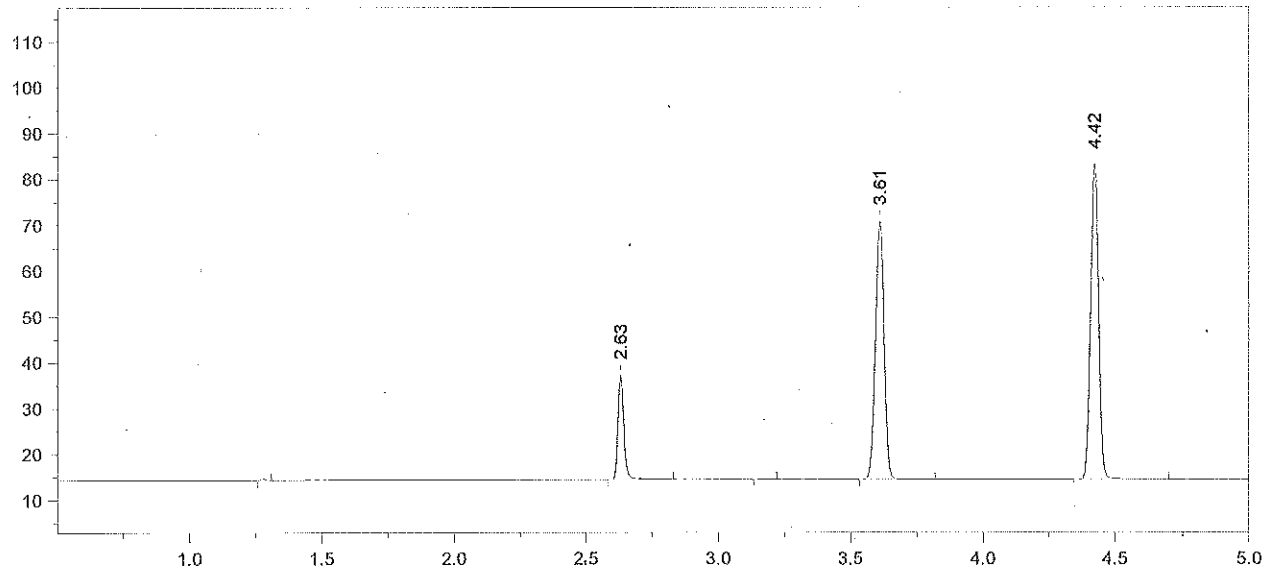


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 1:08:45 AM
Bound File Name = VFL05132013.0053.RAW
Sample Name = 0.04 ALB
Date Taken = 5/14/2013 1:08:38 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	35997	0.0498	0.0406
4	3.61	t-Butanol	121246	0.9768	0.7973
5	4.42	n-Propanol	144818	1.0000	0.8162

13-06-040 30 RLM

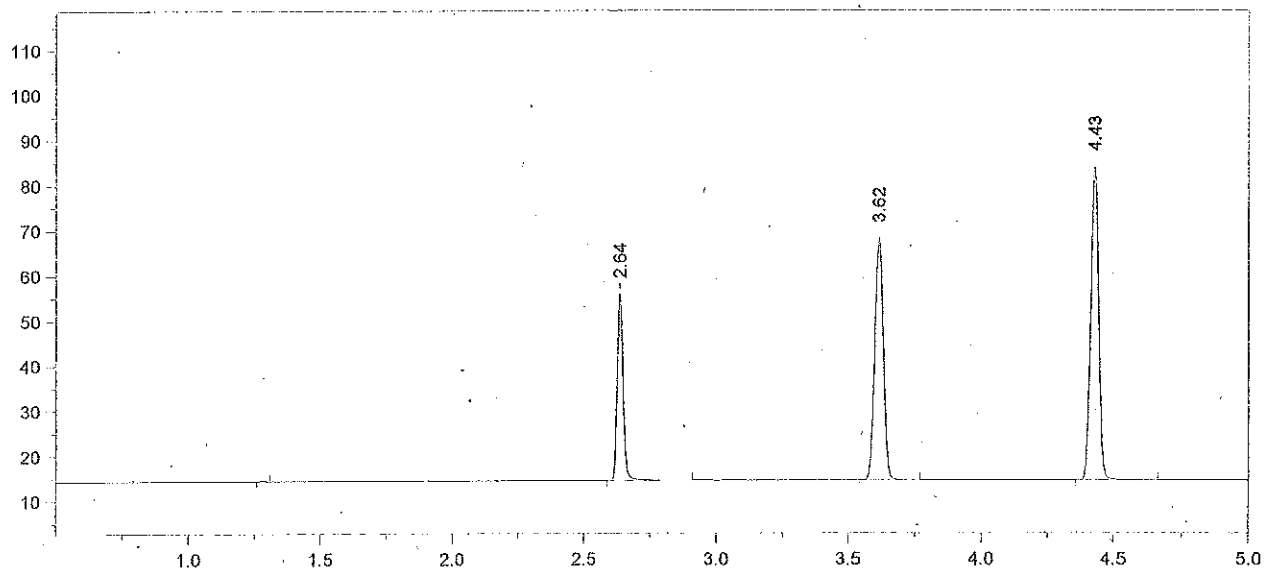


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 1:26:32 AM
Bound File Name = VFL05132013.0054.RAW
Sample Name = 0.04 ALB
Date Taken = 5/14/2013 1:26:22 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	35227	0.0484	0.0395
4	3.61	t-Butanol	129739	1.0384	0.8475
5	4.42	n-Propanol	145771	1.0000	0.8162

13-06-040 31 RHM



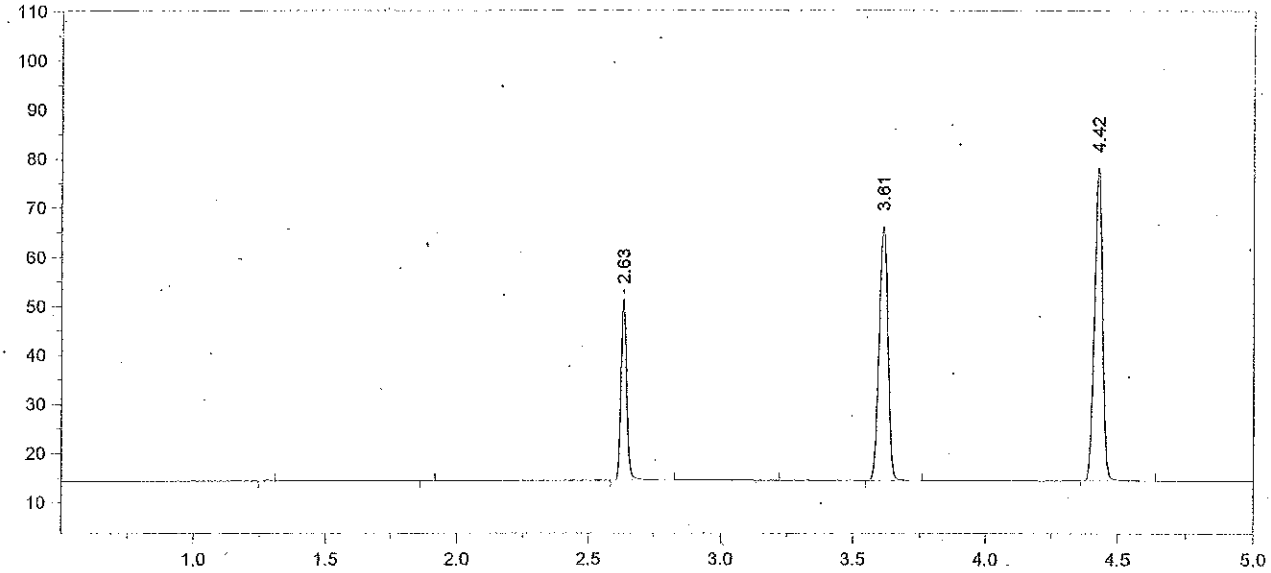
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 1:40:06 AM
Bound File Name = VFL05132013.0055.RAW
Sample Name = CCS
Date Taken = 5/14/2013 1:40:02 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	63154	0.0859	0.0701
3	3.62	t-Butanol	123708	0.9797	0.7996
4	4.43	n-Propanol	147324	1.0000	0.8162

13-06-040 32 RKM

Chrom Perfect Chromatogram Report



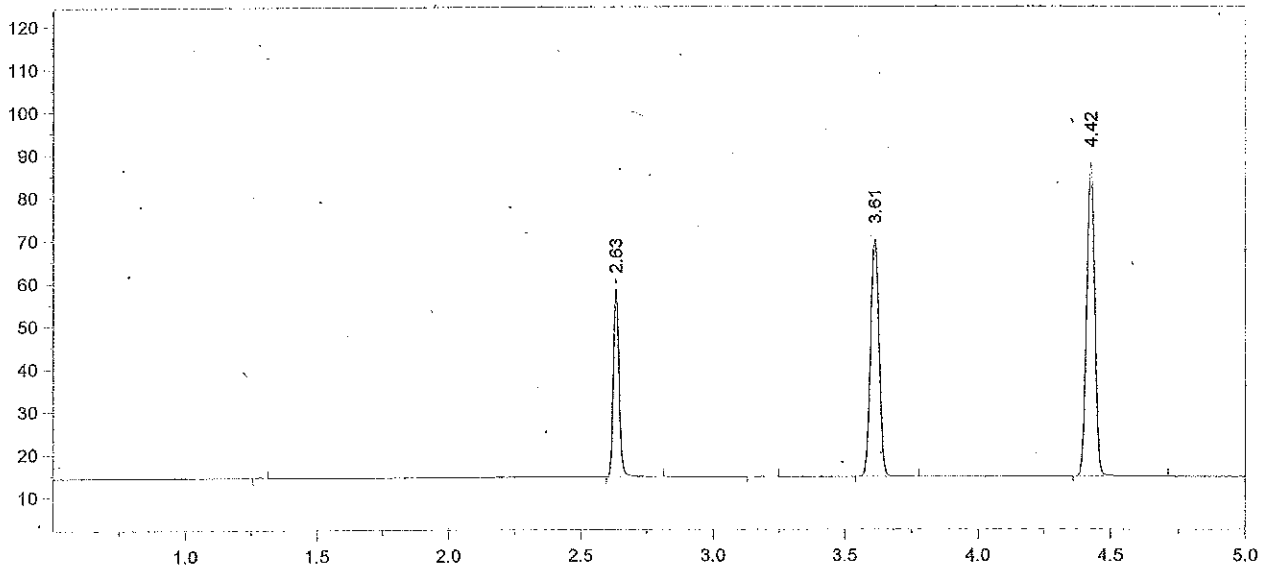
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 1:57:53 AM
Bound File Name = VFL05132013.0056.RAW
Sample Name = CCS
Date Taken = 5/14/2013 1:57:49 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	56157	0.0838 X	0.0684
5	3.61	t-Butanol	119614	1.0395	0.8485
6	4.42	n-Propanol	134248	1.0000	0.8162

Avg #55 & #56 = 0.085
RLM 5/15/13

13-06-040 33 RLM

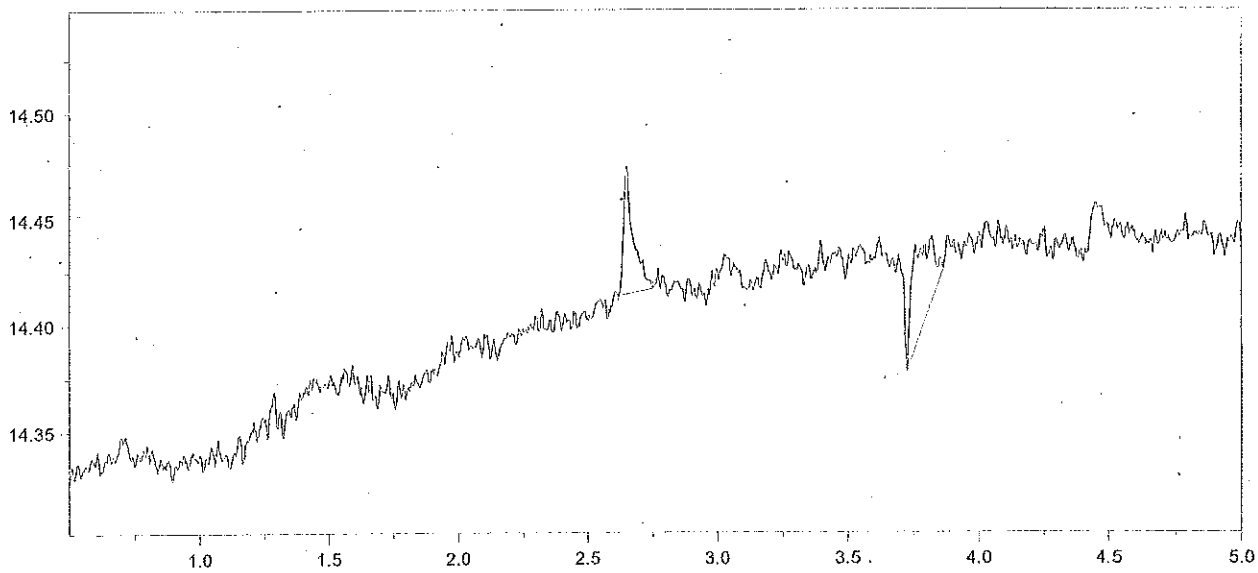


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 7:48:02 AM
Bound File Name = VFL05132013.0057.RAW
Sample Name = CCS
Date Taken = 5/14/2013 7:47:58 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	66420	0.0862	0.0703
4	3.61	t-Butanol	128544	0.9708	0.7924
5	4.42	n-Propanol	154476	1.0000	0.8162

13-06-040 34 RLM



Format File Name = simsoln-JFH.met.FMT

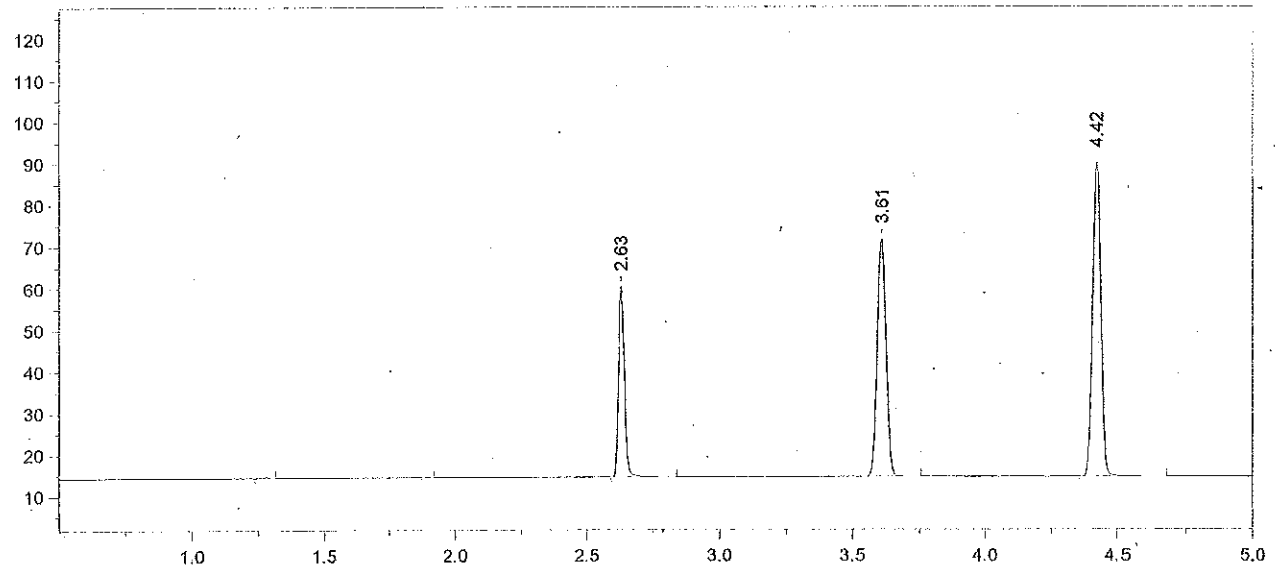
Today's Date = 5/14/2013
Today's Time = 8:25:54 AM
Bound File Name = VFL05132013.0058.RAW
Sample Name = CCS
Date Taken = 5/14/2013 8:25:49 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion

The run was aborted after vial #57 ran to change an empty helium tank. When the run was restarted, it started at vial #57 again, which had already been run. I clicked the "Step" button to pass this vial. As a result of the restart of the sequence, each vial after this one is off by one number (ie 59 is actually vial #58).

RLM 5/15/13

13-06-040 35 RLM



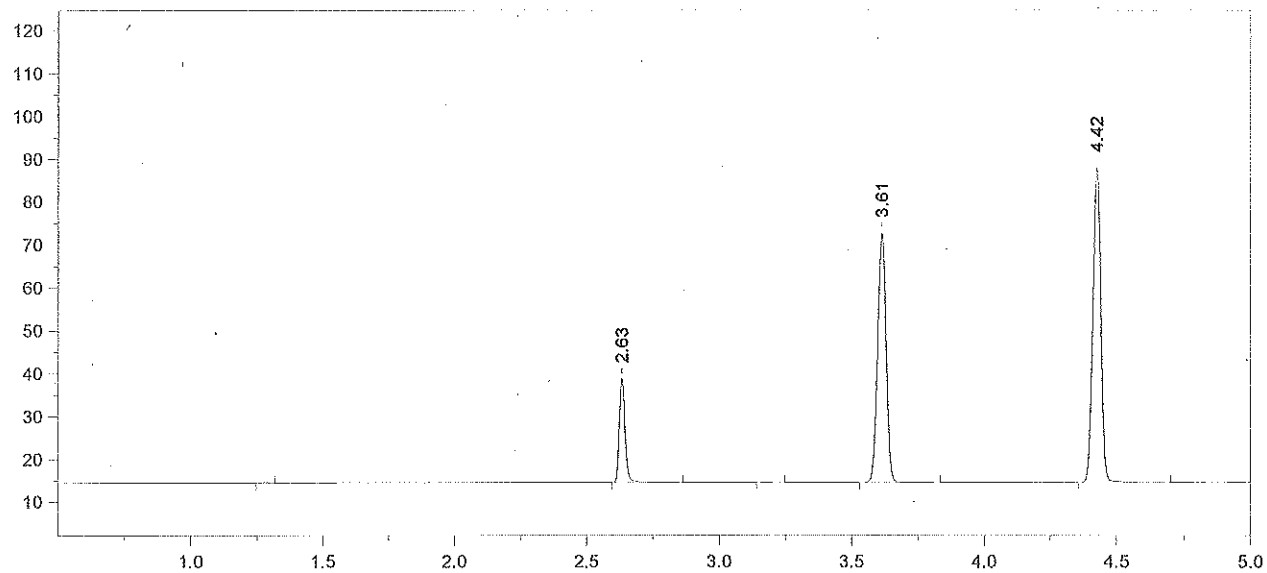
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 8:54:45 AM
Bound File Name = VFL05132013.0059.RAW (incl 58)
Sample Name = ~~0.04-RLM~~ CCS RLM 5/15/13 RLM 5/15/13
Date Taken = 5/14/2013 8:54:38 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	69394	0.0865 *	0.0706
4	3.61	t-Butanol	130881	0.9502	0.7755
5	4.42	n-Propanol	160705	1.0000	0.8162

Avg #57+#58 = 0.086
RLM 5/15/13

13-06-040 36 RLM

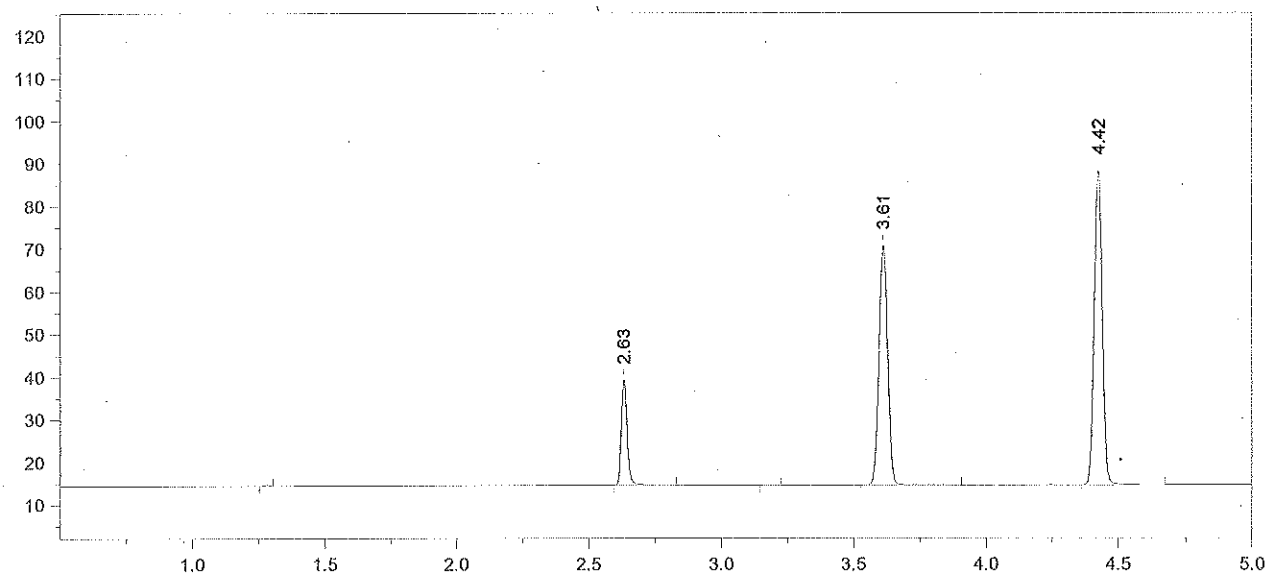


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 9:12:07 AM
Bound File Name = VFL05132013.0060.RAW (vial 59)
Sample Name = 0.04 RLM RLM 5/15/13
Date Taken = 5/14/2013 9:12:01 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	37513	0.0482	0.0394
4	3.61	t-Butanol	133946	1.0029	0.8186
5	4.42	n-Propanol	155821	1.0000	0.8162

13-06-040 37 RLM

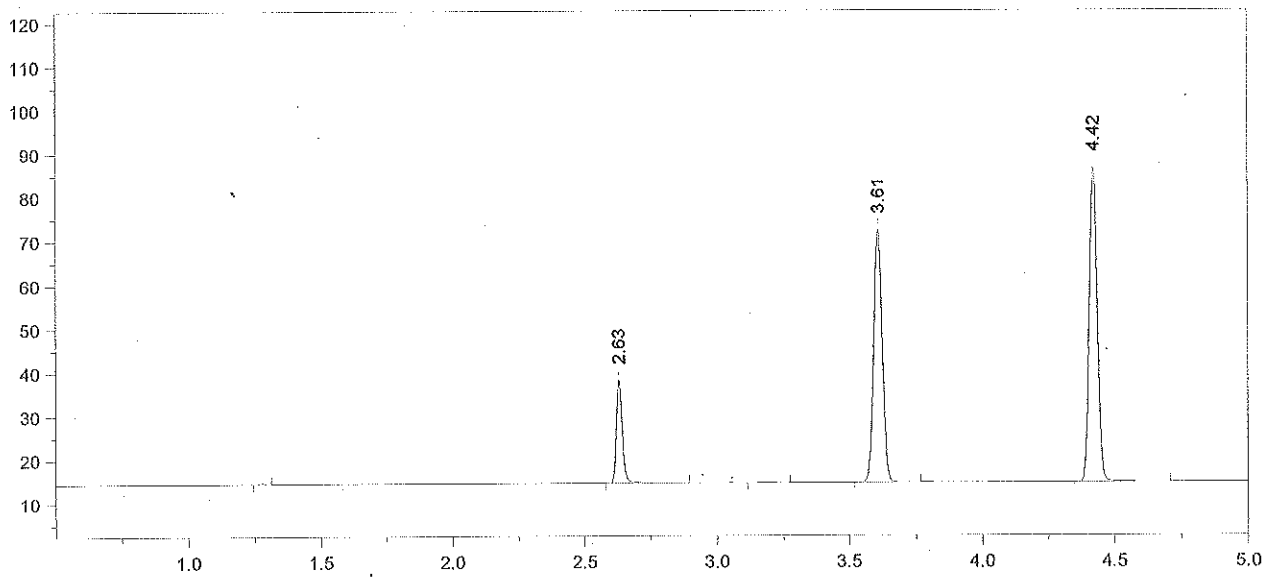


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 9:25:54 AM
Bound File Name = VFL05132013.0061.RAW (vial 60)
Sample Name = 0.04 RLM
RLM 5/15/13
Date Taken = 5/14/2013 9:25:47 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	38090	0.0487	0.0397
4	3.61	t-Butanol	129829	0.9658	0.7883
5	4.42	n-Propanol	156838	1.0000	0.8162

13-06-040 38 RLM

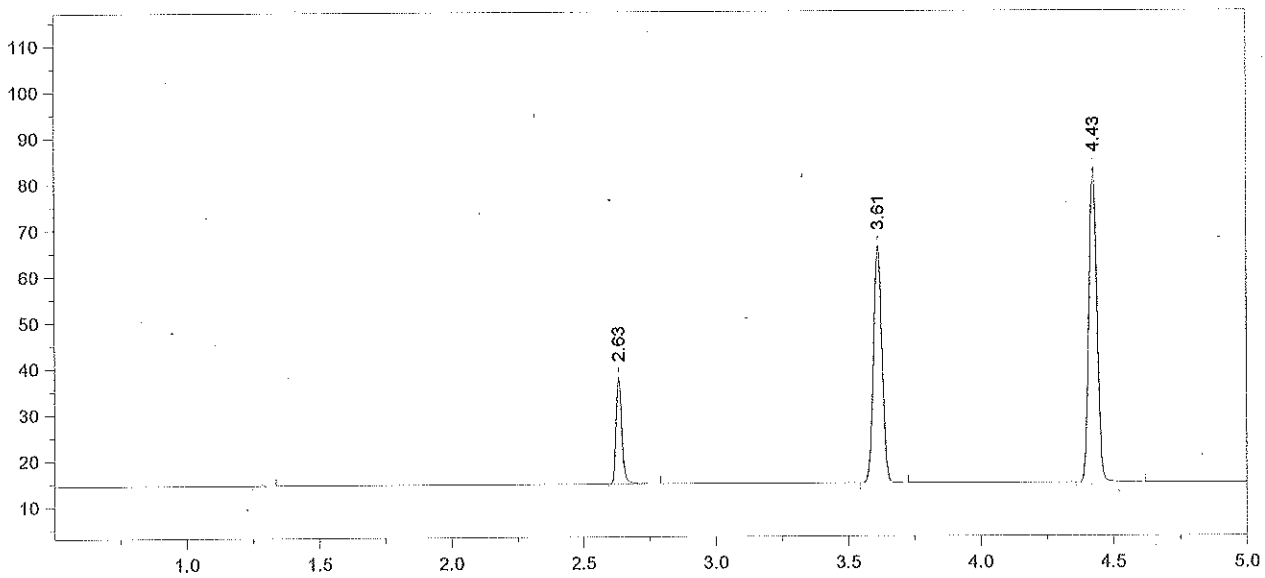


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 9:43:35 AM
Bound File Name = VFL05132013.0062.RAW (val 61)
Sample Name = 0.04 RLM
RLM 5/15/13
Date Taken = 5/14/2013 9:43:25 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	36737	0.0482	0.0393
4	3.61	t-Butanol	133202	1.0167	0.8299
5	4.42	n-Propanol	152848	1.0000	0.8162

13-06-040 39 RLM

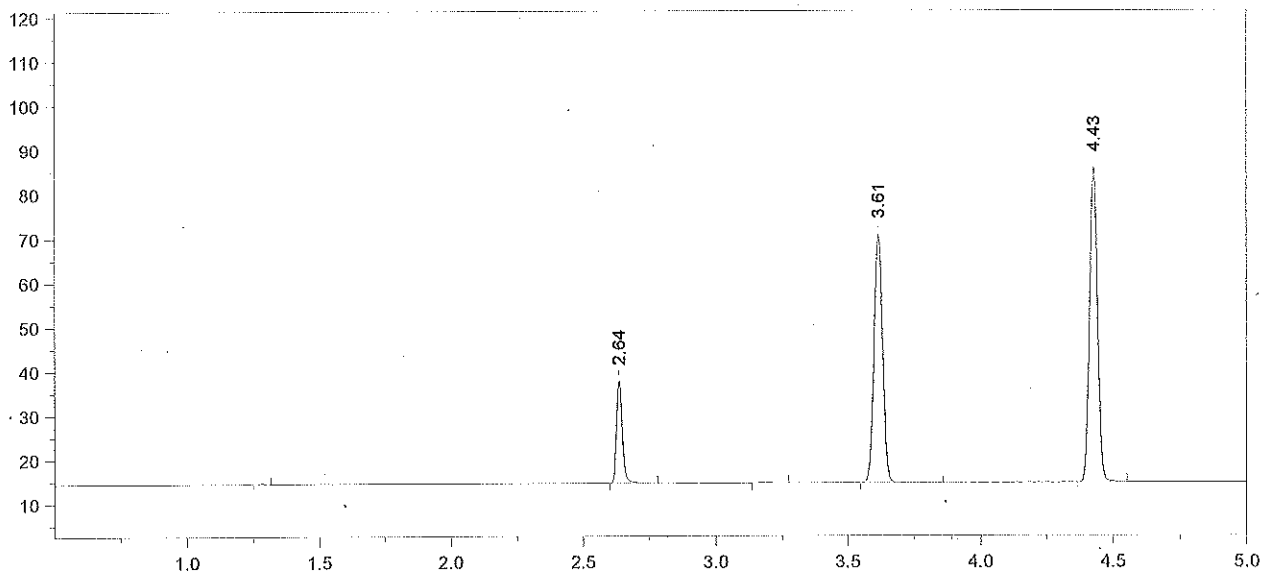


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 9:56:53 AM
Bound File Name = VFL05132013.0063.RAW (Na162)
Sample Name = 0.04 RLM
RZM 5/15/13
Date Taken = 5/14/2013 9:56:46 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	35500	0.0491	0.0401
3	3.61	t-Butanol	118238	0.9517	0.7768
4	4.43	n-Propanol	144953	1.0000	0.8162

13-06-040 40 RZM

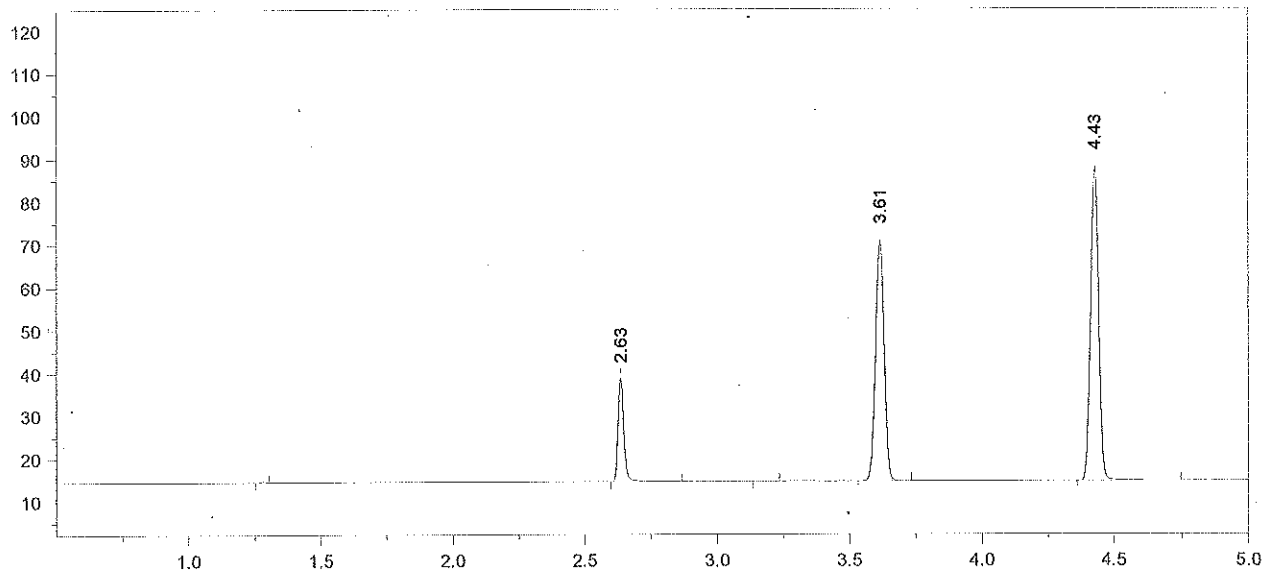


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 10:14:56 AM
Bound File Name = VFL05132013.0064.RAW (val 63)
Sample Name = 0.04 RLM RLM 5/15/13
Date Taken = 5/14/2013 10:14:50 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	35480	0.0477	0.0389
4	3.61	t-Butanol	129599	1.0141	0.8277
5	4.43	n-Propanol	149105	1.0000	0.8162

13-06-040 41 RLM

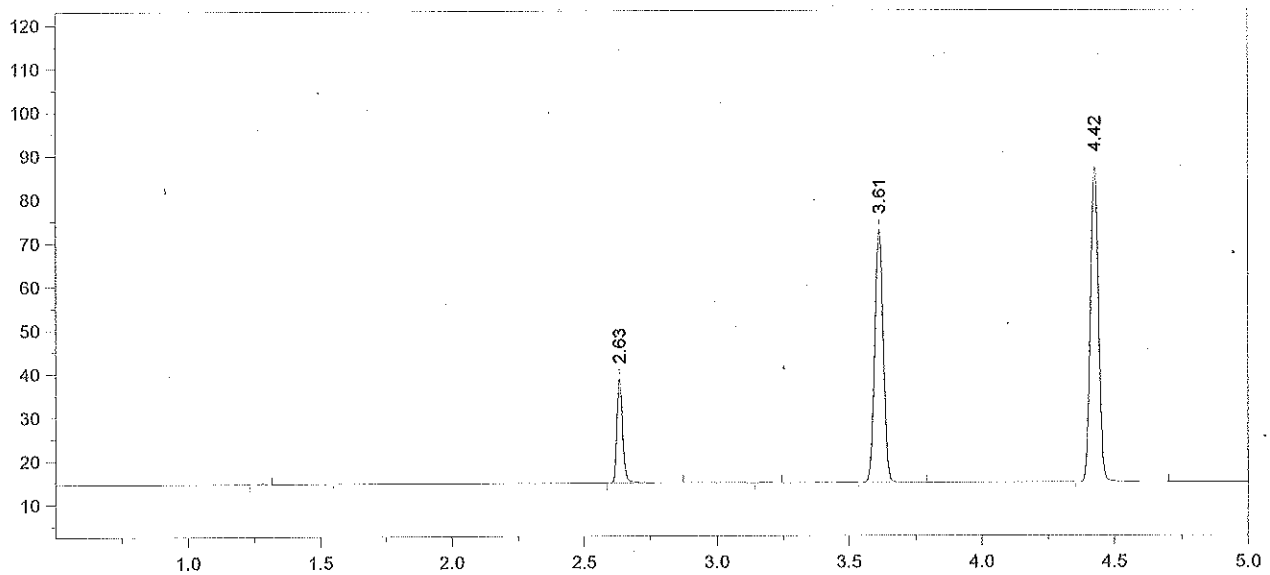


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 10:28:12 AM
Bound File Name = VFL05132013.0065.RAW (vial 64)
Sample Name = 0.04 RLM RLM 5/15/13
Date Taken = 5/14/2013 10:28:02 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	37483	0.0484	0.0395
4	3.61	t-Butanol	129137	0.9707	0.7923
5	4.43	n-Propanol	155219	1.0000	0.8162

13-06-040 42 RLM

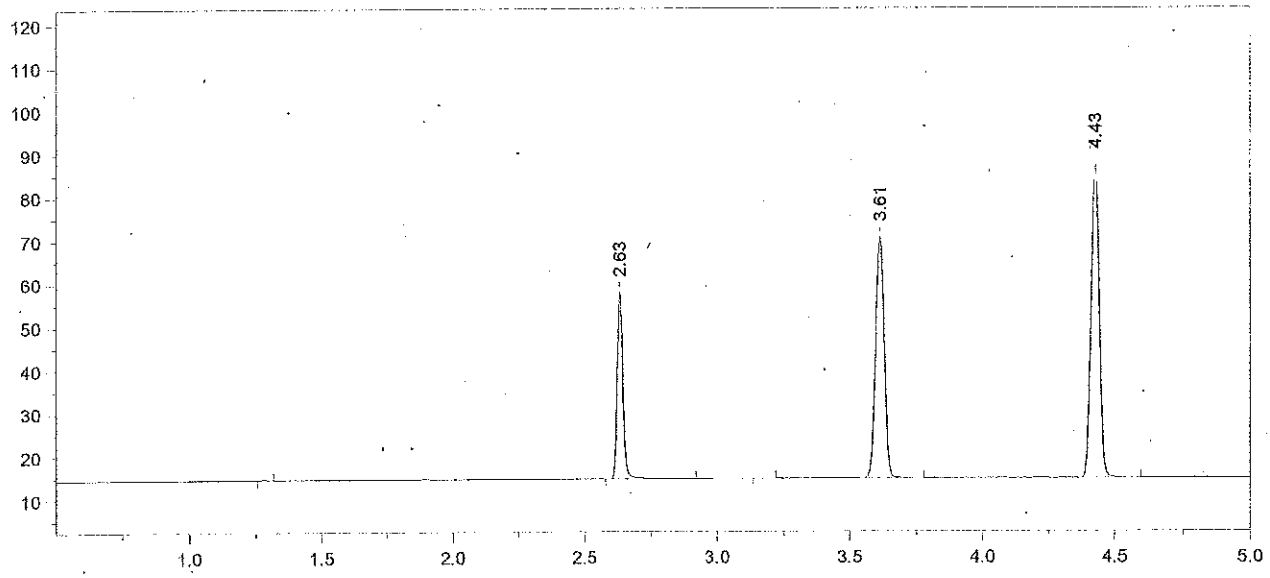


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 10:46:23 AM
Bound File Name = VFL05132013.0066.RAW (val 65)
Sample Name = ~~CCS~~ RLM 0.04 RLM 5/15/13 RLM 5/15/13
Date Taken = 5/14/2013 10:46:17 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	36748	0.0480	0.0392
4	3.61	t-Butanol	134052	1.0193	0.8319
5	4.42	n-Propanol	153442	1.0000	0.8162

13-06-040 43 RLM



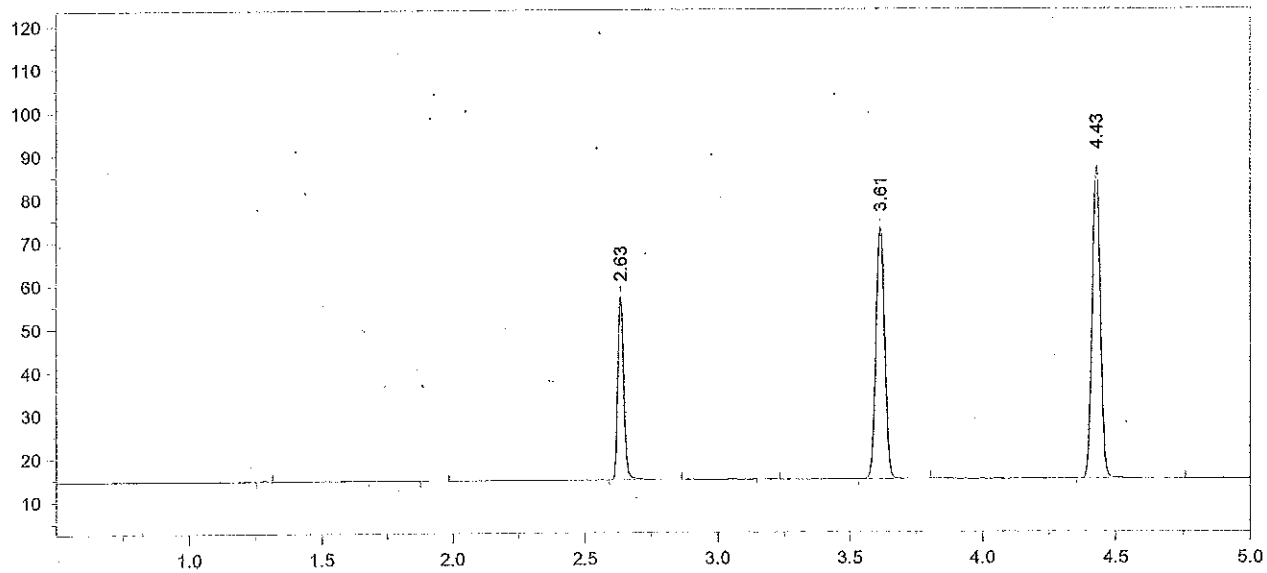
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 10:59:34 AM
Bound File Name = VFL05132013.0067.RAW (val 66)
Sample Name = CCS
RLM 5/15/13
Date Taken = 5/14/2013 10:59:27 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	65833	0.0860 *	0.0702
4	3.61	t-Butanol	128245	0.9752	0.7960
5	4.43	n-Propanol	153421	1.0000	0.8162

13-06-040 44 RLM

Chrom Perfect Chromatogram Report



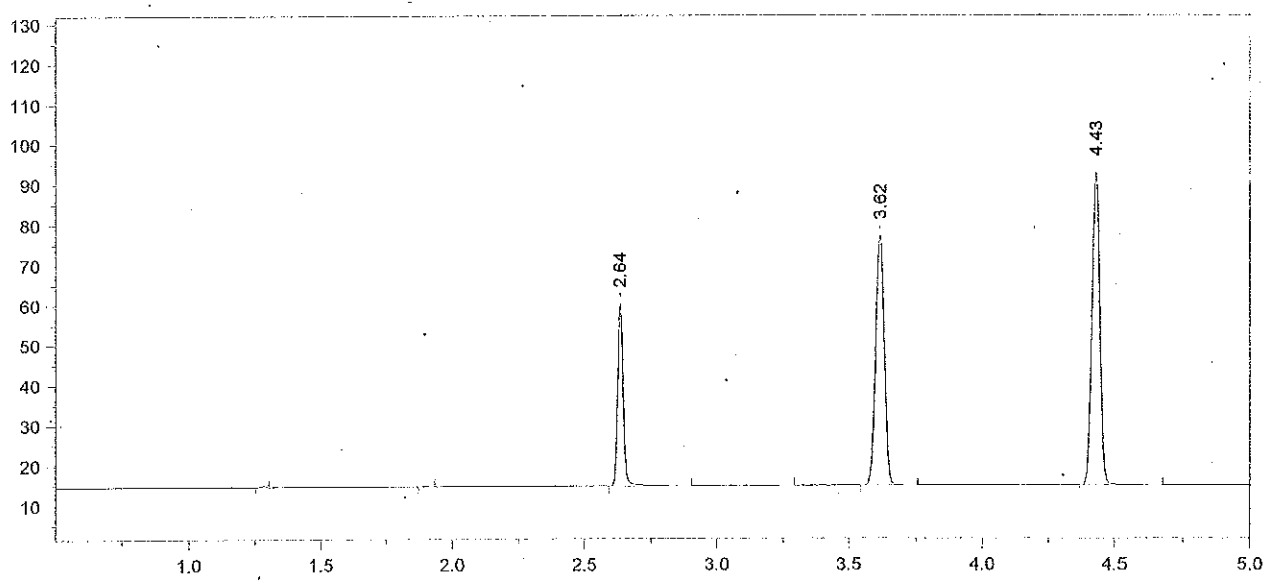
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 11:17:46 AM
Bound File Name = VFL05132013.0068.RAW (incl 67)
Sample Name = ~~0.08 ALB~~ CCS RLM 5/15/13 RLM 5/15/13
Date Taken = 5/14/2013 11:17:41 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.63	Ethanol	64785	0.0848 *	0.0692
5	3.61	t-Butanol	133876	1.0200	0.8325
6	4.43	n-Propanol	153137	1.0000	0.8162

Avg #66 + #67 = 0.085
RLM 5/15/13

13-06-040 45 RLM

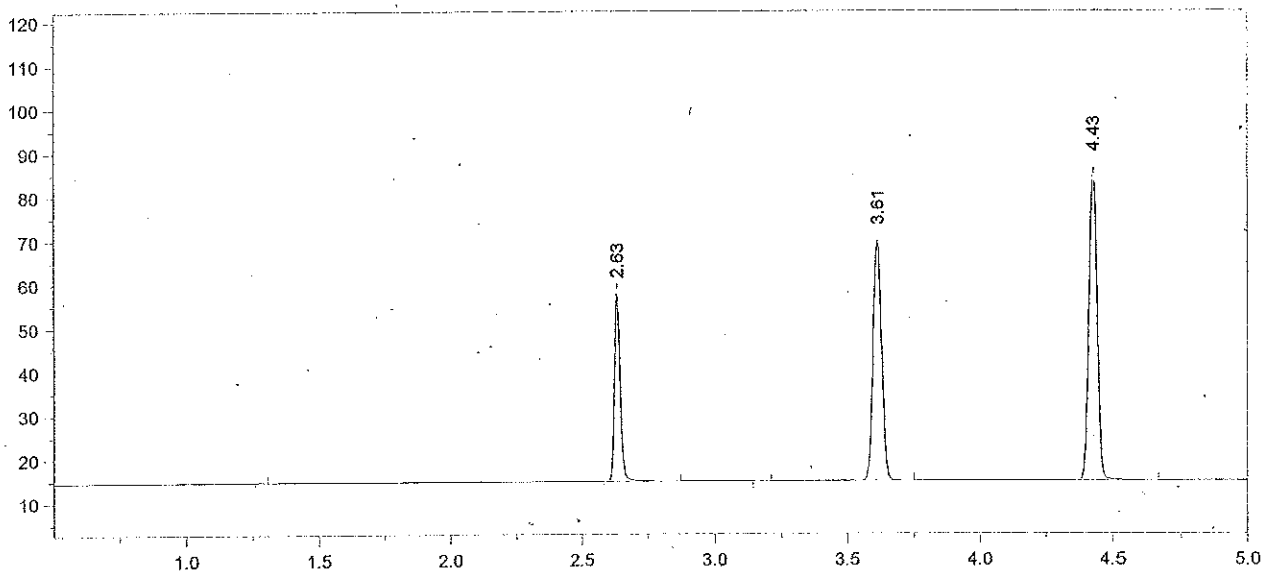


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 1:20:07 PM
Bound File Name = VFL05132013.0076.RAW (ñal 75)
Sample Name = CCS
RM 5/15/13
Date Taken = 5/14/2013 1:20:00 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.64	Ethanol	69468	0.0843 *	0.0688
5	3.62	t-Butanol	143558	1.0147	0.8282
6	4.43	n-Propanol	165062	1.0000	0.8162

13-06-040 46 RM



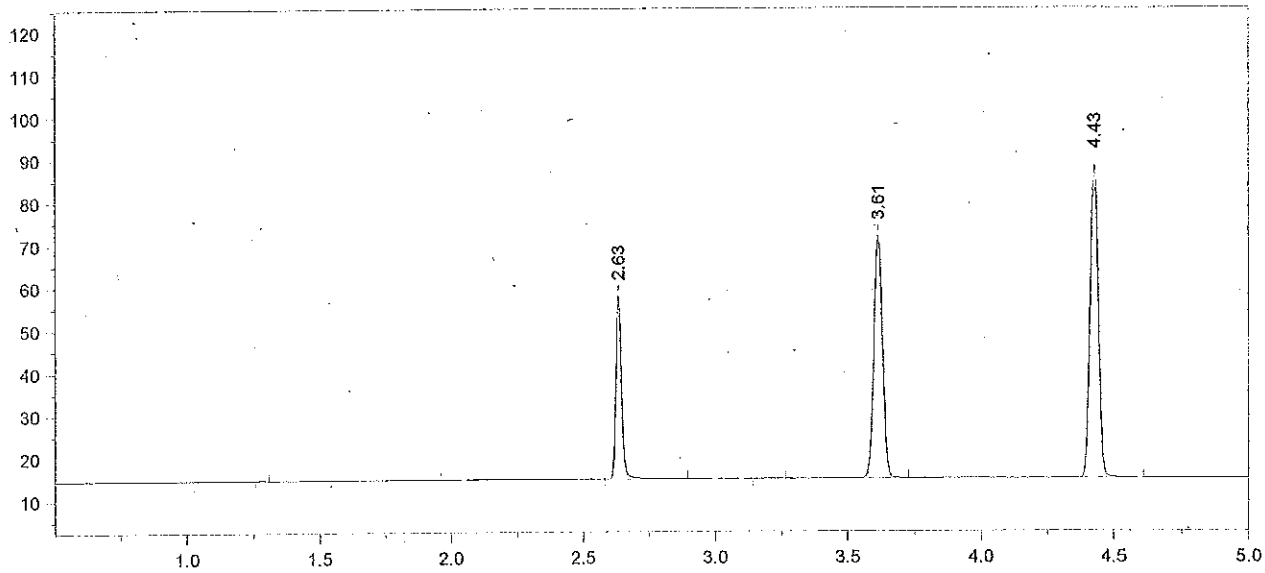
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 1:35:23 PM
Bound File Name = VFL05132013.0077.RAW (vial 76)
Sample Name = ~~0.08 RLM~~ CCS RLM 5/15/13 RLM 5/15/13
Date Taken = 5/14/2013 1:35:19 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	65282	0.0861 *	0.0703
4	3.61	t-Butanol	126453	0.9714	0.7929
5	4.43	n-Propanol	151872	1.0000	0.8162

Avg #75 + #76 = 0.085
RLM 5/15/13

13-06-040 47 RLM

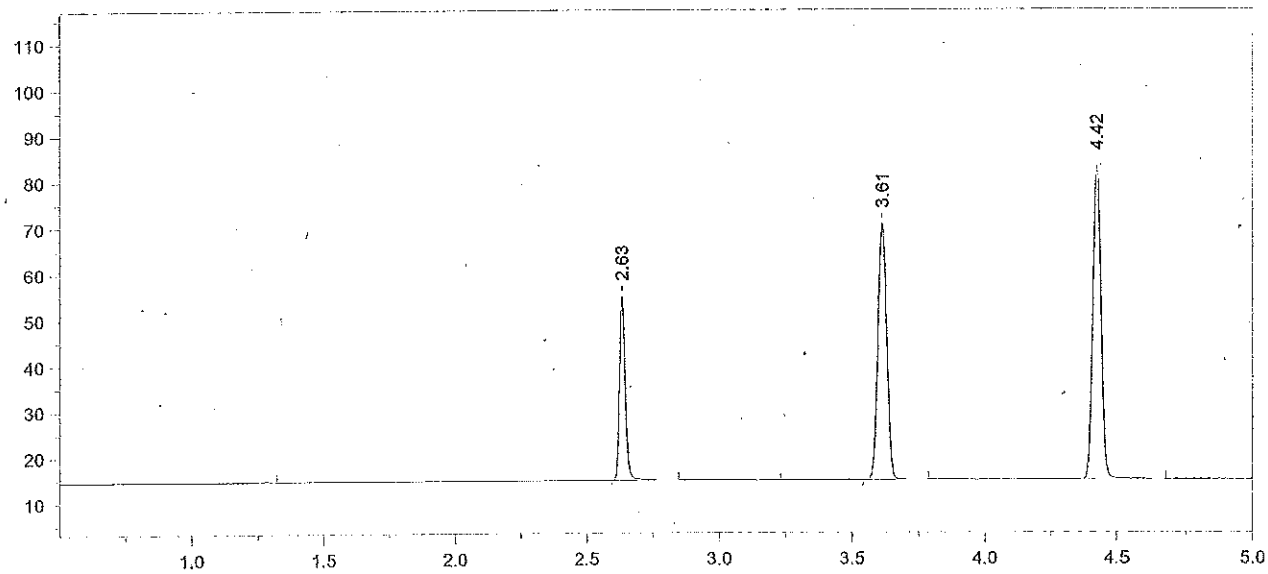


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 3:40:05 PM
Bound File Name = VFL05132013.0085.RAW (ical 84)
Sample Name = CCS RLM 5/15/13
Date Taken = 5/14/2013 3:39:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	65453	0.0844 *	0.0689
4	3.61	t-Butanol	130836	0.9824	0.8018
5	4.43	n-Propanol	155380	1.0000	0.8162

13-06-040 48 RLM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 3:57:44 PM
Bound File Name = VFL05132013.0086.RAW (vial 85)
Sample Name = CCS RLM 5/15/13
Date Taken = 5/14/2013 3:57:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	60821	0.0840 *	0.0686
4	3.61	t-Butanol	128404	1.0326	0.8428
5	4.42	n-Propanol	145082	1.0000	0.8162

Avg # 84 + #85 = 0.084
RLM 5/15/13

13-06-040 49 RLM

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM / ALB Date: 5/15/13

5/21/2013

Calibration Standards:

Lot ID: ES-04152013 Preparation Date: 04/15/2013 Expiration Date: 7/15/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check (c)
% Ethanol (w/v)	0.005	0.022	0.084	0.204	0.402	0.084
Acceptance Range (± 10%)	0.006	0.024	0.092	0.224	0.443	0.092
	0.004	0.020	0.075	0.183	0.362	0.075

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	1.90		
		Methanol	1.99		
		Ethanol	2.64		
		Acetone	3.04		
		Isopropanol	3.18		
		T- butanol	3.62		
		n-propanol	4.43		
3	Standard A		0.006	(Y) N	
4	Standard B		0.022	(Y) N	
5	Standard C		0.084	(Y) N	
6	Standard D		0.200	(Y) N	
7	Standard E		0.404	(Y) N	
8	Aqueous QC		0.0787	(Y) N	Avg = 0.078 (97% recovery) ✓
9	Aqueous QC		0.0786	(Y) N	

13-06-040 50 RLM

File Name: C:\Methods\SIM05152013.CAL
Version: 7

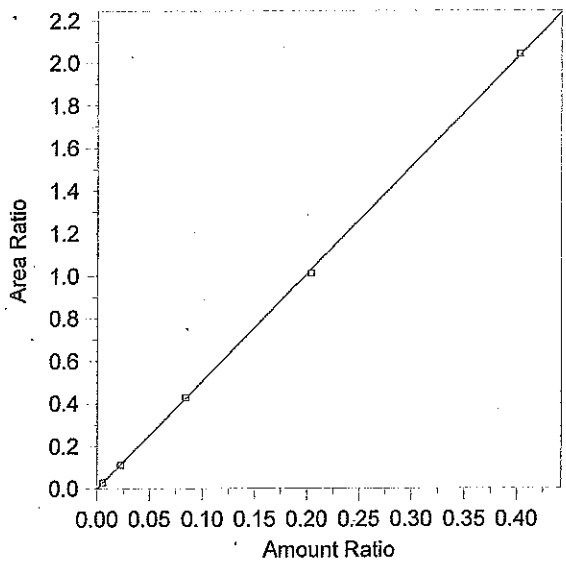
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1500
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:	2.637 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 = 5.047456 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9998528
Average error:	1.638%
Average CF:	5.066855
RSD:	2.279%

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	4410.845	801971.9	4.016	0.0055	2.887601E-02	C:\Alcohol Data\SIM05152013\SIM05152013.0003.BND	5/15/2013 10:46:02 AM
3	0.0221	17173.01	777059.3	-1.388	0.0221	0.11	C:\Alcohol Data\SIM05152013\SIM05152013.0004.BND	5/15/2013 11:02:37 AM
4	0.084	65213.86	776355.5	0.616	0.084	0.4265994	C:\Alcohol Data\SIM05152013\SIM05152013.0005.BND	5/15/2013 11:18:01 AM
5	0.2037	159432	782680.4	-1.746	0.2037	1.010212	C:\Alcohol Data\SIM05152013\SIM05152013.0006.BND	5/15/2013 11:34:10 AM
6	0.4026	310464.3	771148.3	0.424	0.4026	2.040715	C:\Alcohol Data\SIM05152013\SIM05152013.0007.BND	5/15/2013 11:48:19 AM

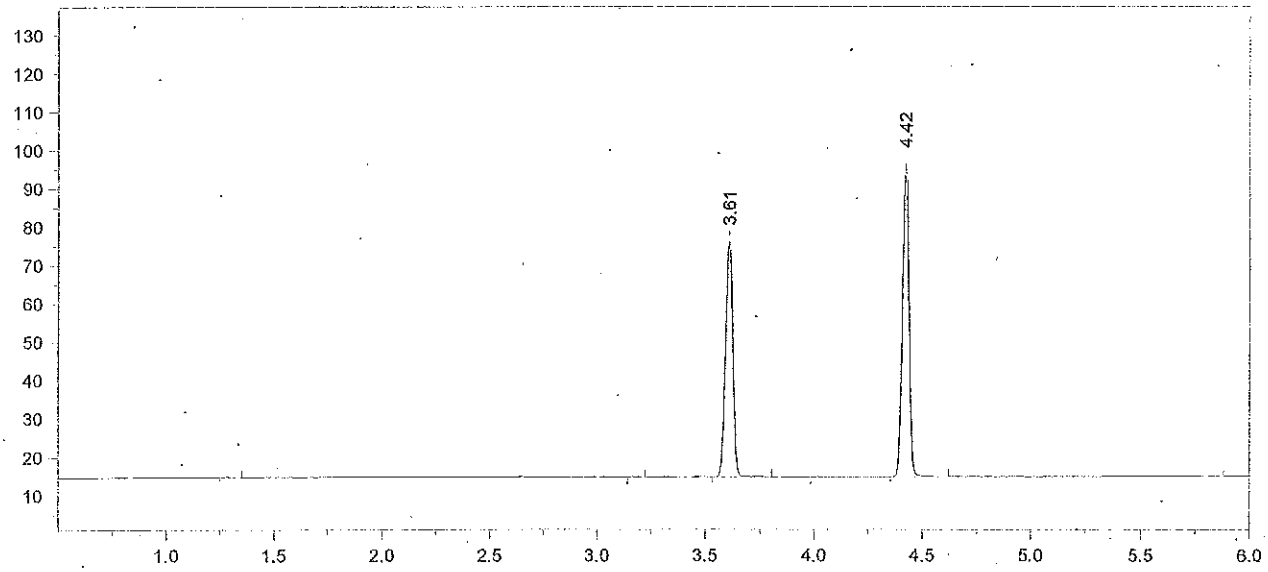
13-06-040 51 RRM

File Name = C:\Alcohol Data\SIM05152013\SIM05152013.SEQ
Version = 1
File Date = 5/15/2013 9:34:55 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM05152013.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM05152013.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM05152013.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	SIM05152013.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	SIM05152013.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	SIM05152013.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	SIM05152013.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	SIM05152013.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM05152013.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM05152013.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM05152013.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM05152013.0012.raw	simsoln.met	RLM 0.02	1.00	1.00
13	SIM05152013.0013.raw	simsoln.met	RLM 0.02	1.00	1.00
14	SIM05152013.0014.raw	simsoln.met	RLM 0.02	1.00	1.00
15	SIM05152013.0015.raw	simsoln.met	RLM 0.02	1.00	1.00
16	SIM05152013.0016.raw	simsoln.met	RLM 0.02	1.00	1.00
17	SIM05152013.0017.raw	simsoln.met	RLM 0.02	1.00	1.00
18	SIM05152013.0018.raw	simsoln.met	RLM 0.02	1.00	1.00
19	SIM05152013.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM05152013.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM05152013.0021.raw	simsoln.met	ALB 0.02	1.00	1.00
22	SIM05152013.0022.raw	simsoln.met	ALB 0.02	1.00	1.00
23	SIM05152013.0023.raw	simsoln.met	ALB 0.02	1.00	1.00
24	SIM05152013.0024.raw	simsoln.met	ALB 0.02	1.00	1.00
25	SIM05152013.0025.raw	simsoln.met	ALB 0.02	1.00	1.00
26	SIM05152013.0026.raw	simsoln.met	ALB 0.02	1.00	1.00
27	SIM05152013.0027.raw	simsoln.met	ALB 0.02	1.00	1.00
28	SIM05152013.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM05152013.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	SIM05152013.0030.raw	simsoln.met	RLM 0.04	1.00	1.00
31	SIM05152013.0031.raw	simsoln.met	RLM 0.04	1.00	1.00
32	SIM05152013.0032.raw	simsoln.met	RLM 0.04	1.00	1.00
33	SIM05152013.0033.raw	simsoln.met	RLM 0.04	1.00	1.00
34	SIM05152013.0034.raw	simsoln.met	RLM 0.04	1.00	1.00
35	SIM05152013.0035.raw	simsoln.met	RLM 0.04	1.00	1.00
36	SIM05152013.0036.raw	simsoln.met	RLM 0.04	1.00	1.00
37	SIM05152013.0037.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
38	SIM05152013.0038.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
39	SIM05152013.0039.raw	simsoln.met	ALB 0.04	1.00	1.00
40	SIM05152013.0040.raw	simsoln.met	ALB 0.04	1.00	1.00
41	SIM05152013.0041.raw	simsoln.met	ALB 0.04	1.00	1.00
42	SIM05152013.0042.raw	simsoln.met	ALB 0.04	1.00	1.00
43	SIM05152013.0043.raw	simsoln.met	ALB 0.04	1.00	1.00
44	SIM05152013.0044.raw	simsoln.met	ALB 0.04	1.00	1.00
45	SIM05152013.0045.raw	simsoln.met	ALB 0.04	1.00	1.00
46	SIM05152013.0046.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
47	SIM05152013.0047.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
48	SIM05152013.0048.raw	simsoln.met	RLM 0.08	1.00	1.00
49	SIM05152013.0049.raw	simsoln.met	RLM 0.08	1.00	1.00
50	SIM05152013.0050.raw	simsoln.met	RLM 0.08	1.00	1.00
51	SIM05152013.0051.raw	simsoln.met	RLM 0.08	1.00	1.00
52	SIM05152013.0052.raw	simsoln.met	RLM 0.08	1.00	1.00
53	SIM05152013.0053.raw	simsoln.met	RLM 0.08	1.00	1.00
54	SIM05152013.0054.raw	simsoln.met	RLM 0.08	1.00	1.00
55	SIM05152013.0055.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
56	SIM05152013.0056.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
57	SIM05152013.0057.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
58	SIM05152013.0058.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
59	SIM05152013.0059.raw	simsoln.met	ALB 0.08	1.00	1.00
60	SIM05152013.0060.raw	simsoln.met	ALB 0.08	1.00	1.00
61	SIM05152013.0061.raw	simsoln.met	ALB 0.08	1.00	1.00
62	SIM05152013.0062.raw	simsoln.met	ALB 0.08	1.00	1.00

13-06-040 52 RLM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	SIM05152013.0063.raw	simsoln.met	ALB 0.08	1.00	1.00
64	SIM05152013.0064.raw	simsoln.met	ALB 0.08	1.00	1.00
65	SIM05152013.0065.raw	simsoln.met	ALB 0.08	1.00	1.00
66	SIM05152013.0066.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
67	SIM05152013.0067.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
68	SIM05152013.0068.raw	simsoln.met	RLM 0.1	1.00	1.00
69	SIM05152013.0069.raw	simsoln.met	RLM 0.1	1.00	1.00
70	SIM05152013.0070.raw	simsoln.met	RLM 0.1	1.00	1.00
71	SIM05152013.0071.raw	simsoln.met	RLM 0.1	1.00	1.00
72	SIM05152013.0072.raw	simsoln.met	RLM 0.1	1.00	1.00
73	SIM05152013.0073.raw	simsoln.met	RLM 0.1	1.00	1.00
74	SIM05152013.0074.raw	simsoln.met	RLM 0.1	1.00	1.00
75	SIM05152013.0075.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
76	SIM05152013.0076.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
77	SIM05152013.0077.raw	simsoln.met	ALB 0.1	1.00	1.00
78	SIM05152013.0078.raw	simsoln.met	ALB 0.1	1.00	1.00
79	SIM05152013.0079.raw	simsoln.met	ALB 0.1	1.00	1.00
80	SIM05152013.0080.raw	simsoln.met	ALB 0.1	1.00	1.00
81	SIM05152013.0081.raw	simsoln.met	ALB 0.1	1.00	1.00
82	SIM05152013.0082.raw	simsoln.met	ALB 0.1	1.00	1.00
83	SIM05152013.0083.raw	simsoln.met	ALB 0.1	1.00	1.00
84	SIM05152013.0084.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
85	SIM05152013.0085.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

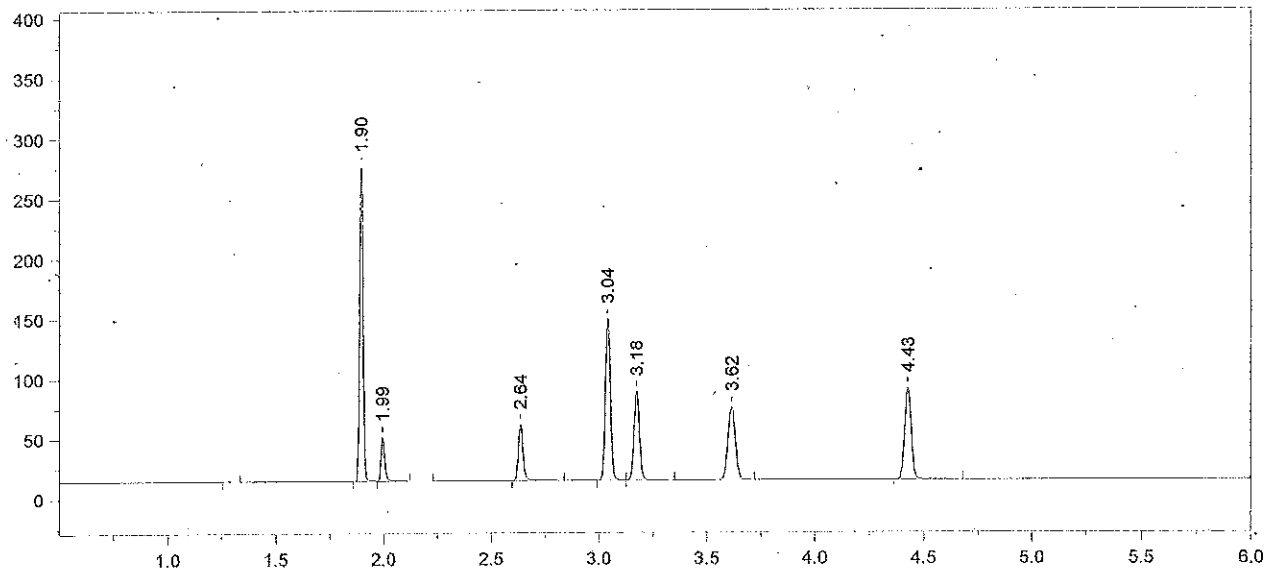


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 7:54:15 AM
Bound File Name = SIM05152013.0001.RAW
Sample Name = Blank
Date Taken = 5/15/2013 10:15:32 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.61	t-Butanol	141275	0.9652
4	4.42	n-Propanol	172166	1.0000

13-06-040 54 RZM



Format File Name = AlcoholVFL.FMT

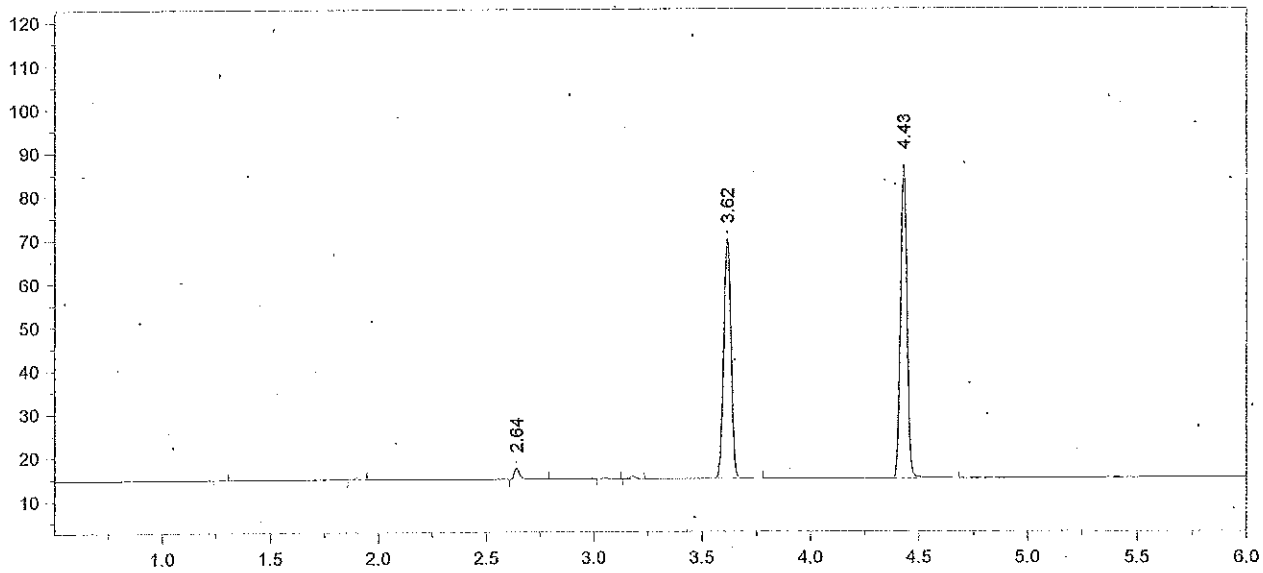
Today's Date = 5/16/2013
Today's Time = 7:54:24 AM

Bound File Name = SIM05152013.0002.RAW
Sample Name = TMX
Date Taken = 5/15/2013 10:32:43 AM
VFL Headspace Alcohol

Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.90	Acetaldehyde	293736	0.0720
3	1.99	Methanol	43133	0.1210
4	2.64	Ethanol	69818	0.0861
5	3.04	Acetone	227529	0.0690
6	3.18	Isopropanol	136603	0.0830
7	3.62	t-Butanol	139091	1.0184
8	4.43	n-Propanol	160646	1.0000

13-06-040 55 RRM

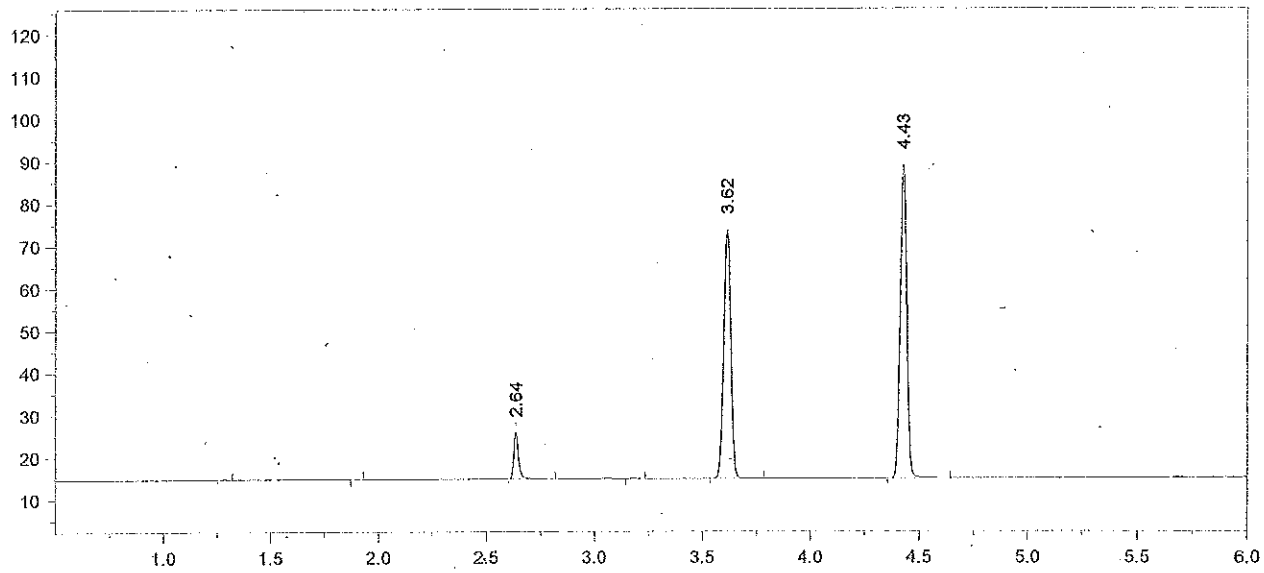


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 7:54:29 AM
Bound File Name = SIM05152013.0003.RAW
Sample Name = STD A
Date Taken = 5/15/2013 10:45:54 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	04411	0.0057
6	3.62	t-Butanol	126805	0.9764
7	4.43	n-Propanol	152751	1.0000

13-06-040 56 RZM

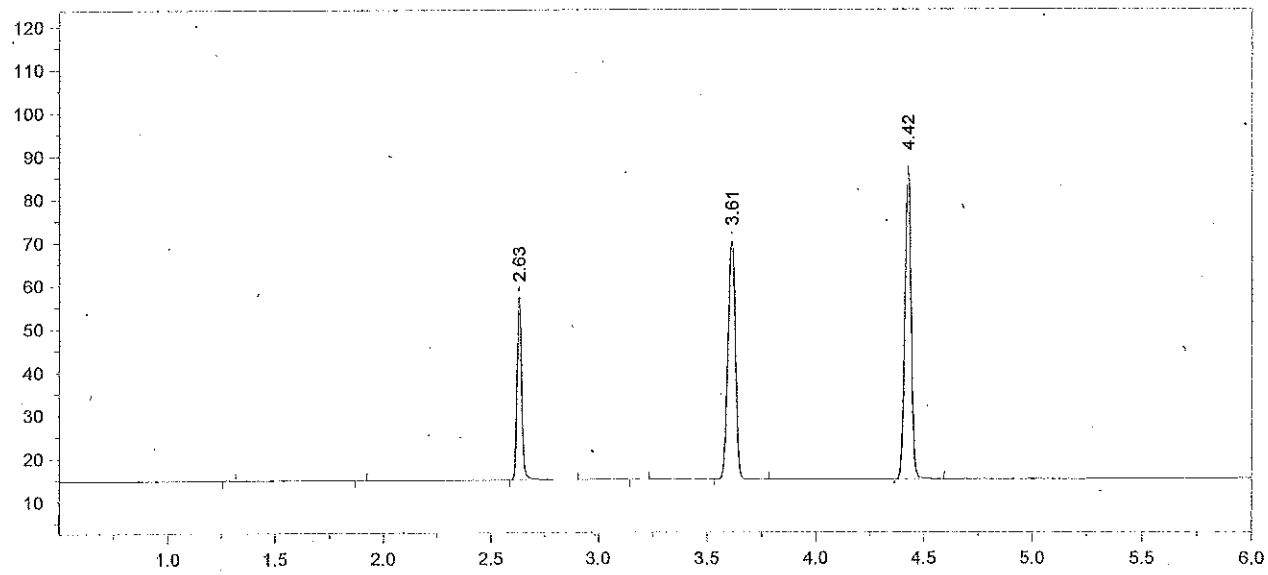


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 7:54:35 AM
Bound File Name = SIM05152013.0004.RAW
Sample Name = STD B
Date Taken = 5/15/2013 11:02:27 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	17173	0.0218 *
5	3.62	t-Butanol	135923	1.0241
6	4.43	n-Propanol	156118	1.0000

13-06-040 57 RM

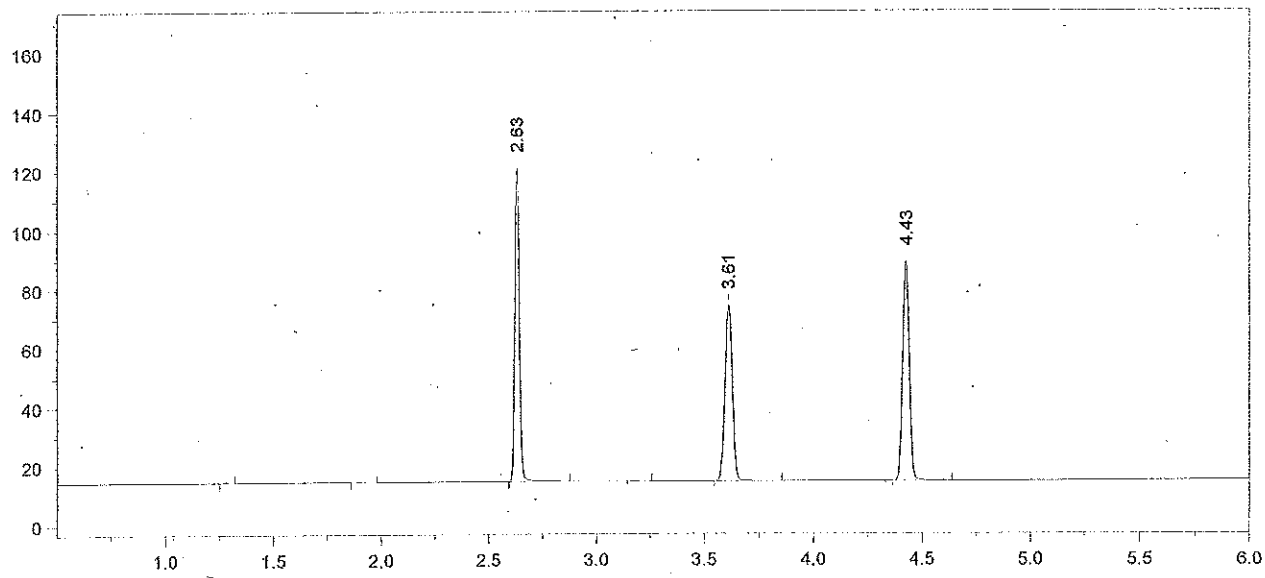


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 7:54:41 AM
Bound File Name = SIM05152013.0005.RAW
Sample Name = STD C
Date Taken = 5/15/2013 11:17:53 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	65214	0.0845 *
5	3.61	t-Butanol	127323	0.9797
6	4.42	n-Propanol	152869	1.0000

13-06-040 58 RLM

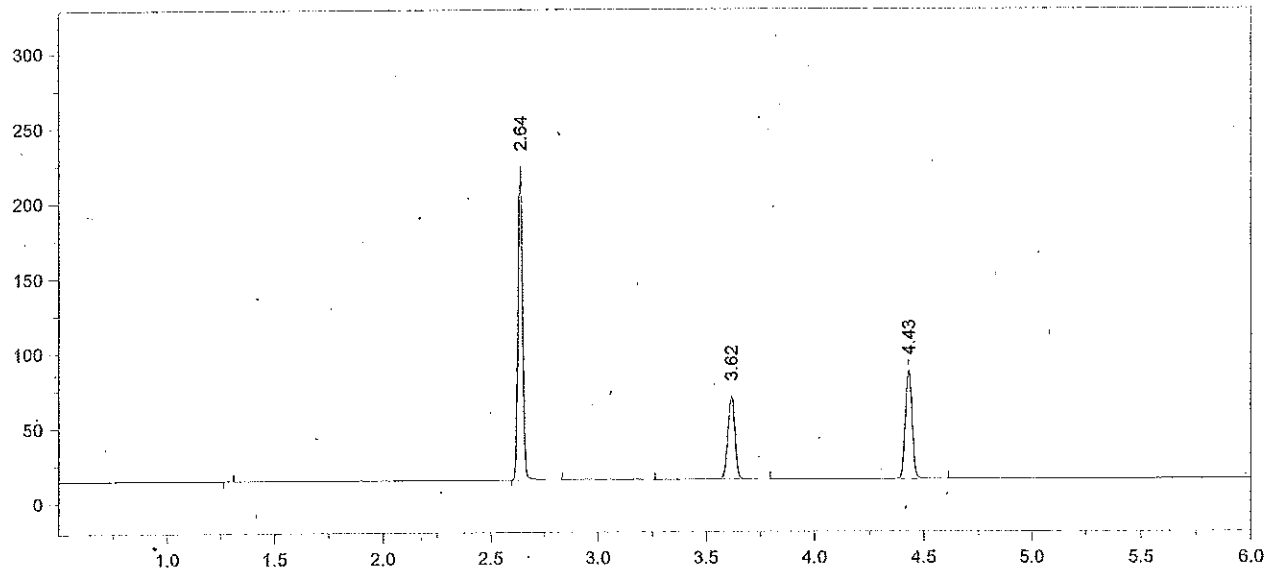


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 7:54:47 AM
Bound File Name = SIM05152013.0006.RAW
Sample Name = STD D
Date Taken = 5/15/2013 11:34:02 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	159432	0.2001 *
5	3.61	t-Butanol	137252	1.0230
6	4.43	n-Propanol	157820	1.0000

13-06-040 59 RZM

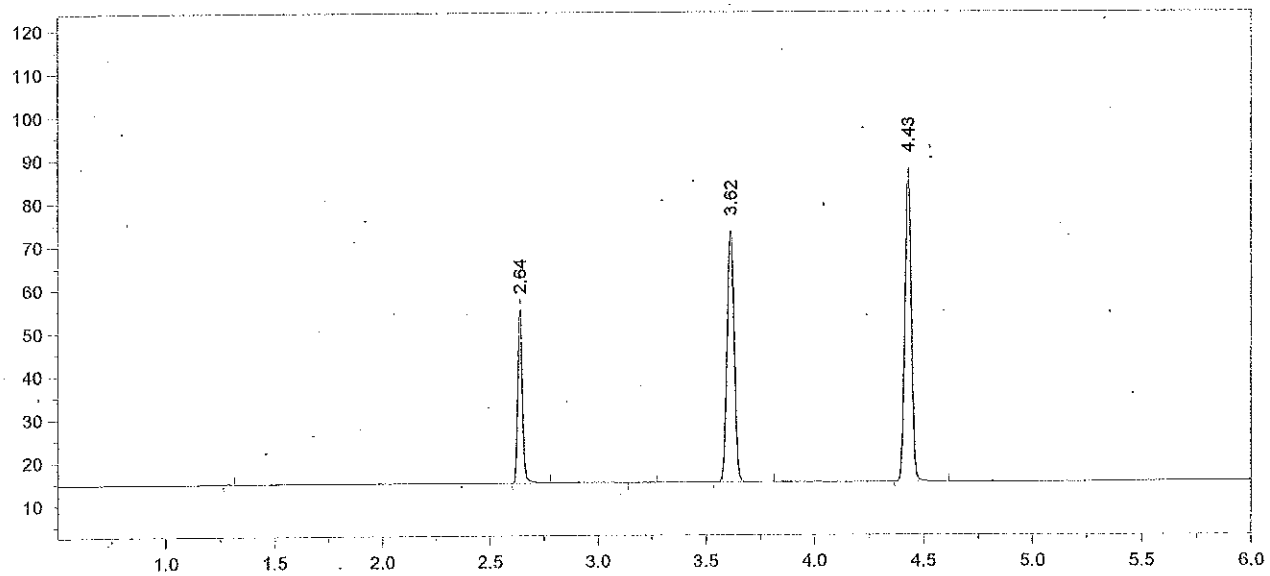


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 7:54:52 AM
Bound File Name = SIM05152013.0007.RAW
Sample Name = STD E
Date Taken = 5/15/2013 11:48:12 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	310464	0.4043 *
4	3.62	t-Butanol	126547	0.9784
5	4.43	n-Propanol	152135	1.0000

13-06-040 60 RLM

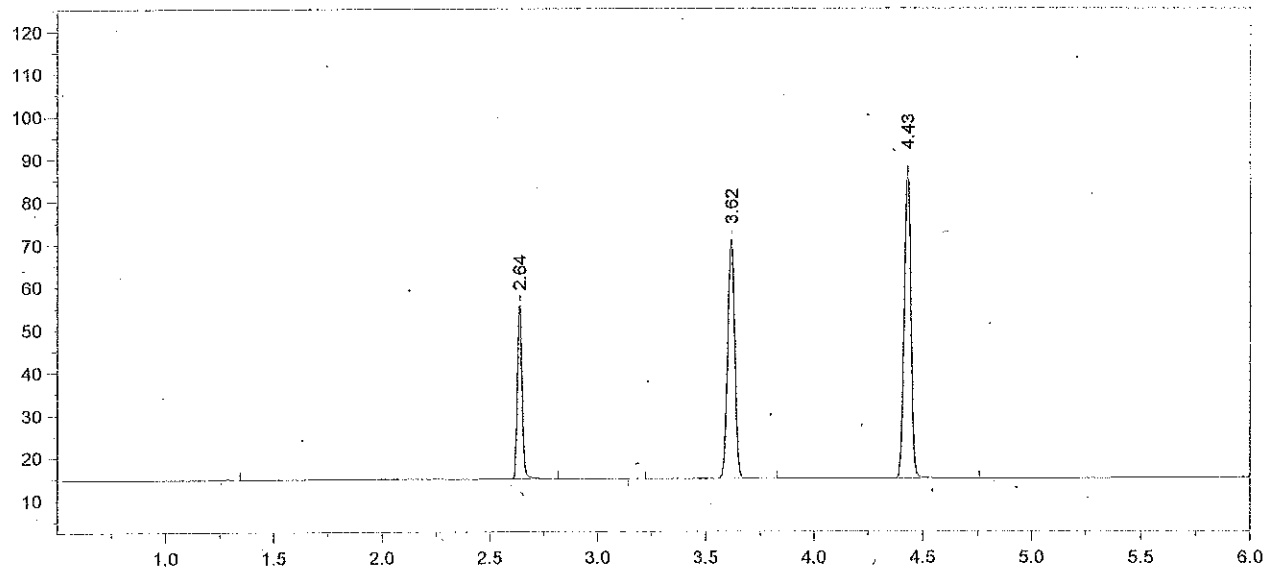


Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 12:05:36 PM
Bound File Name = SIM05152013.0008.RAW
Sample Name = AQ QC
Date Taken = 5/15/2013 12:05:28 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	60961	0.0787 *
4	3.62	t-Butanol	133957	1.0263
5	4.43	n-Propanol	153526	1.0000

13-06-040 61 RLM



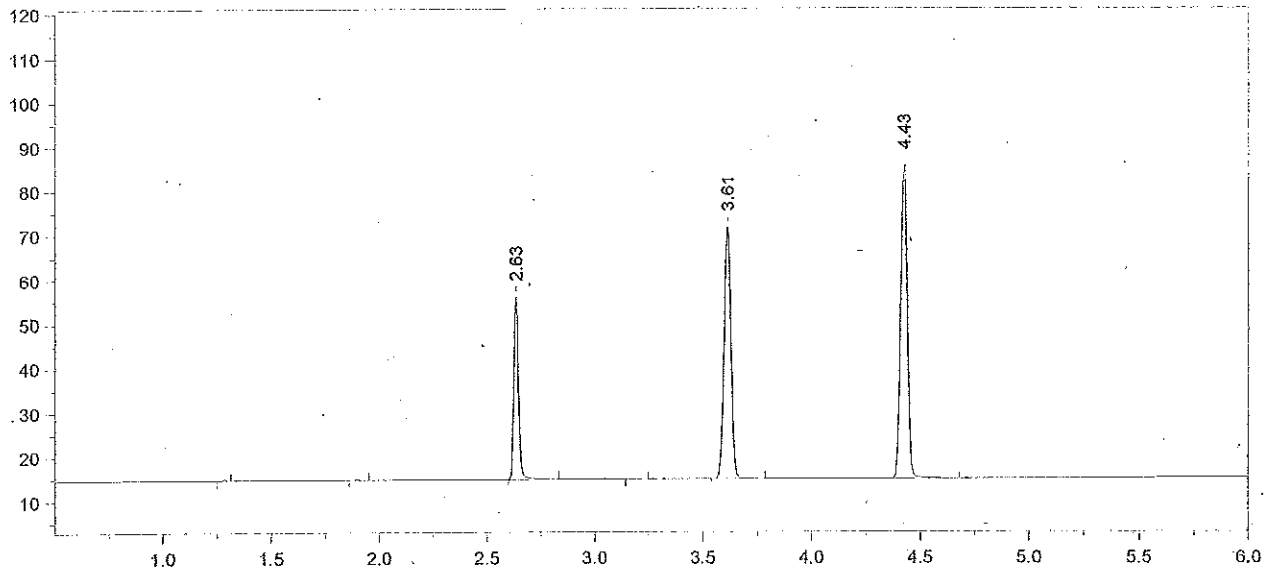
Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 12:19:12 PM
Bound File Name = SIM05152013.0009.RAW
Sample Name = AQ QC
Date Taken = 5/15/2013 12:19:02 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	61606	0.0786 *
4	3.62	t-Butanol	129130	0.9787
5	4.43	n-Propanol	155189	1.0000

Avg #8 + #9 = 0.078
RLM 5/16/13

13-06-040 62 RLM

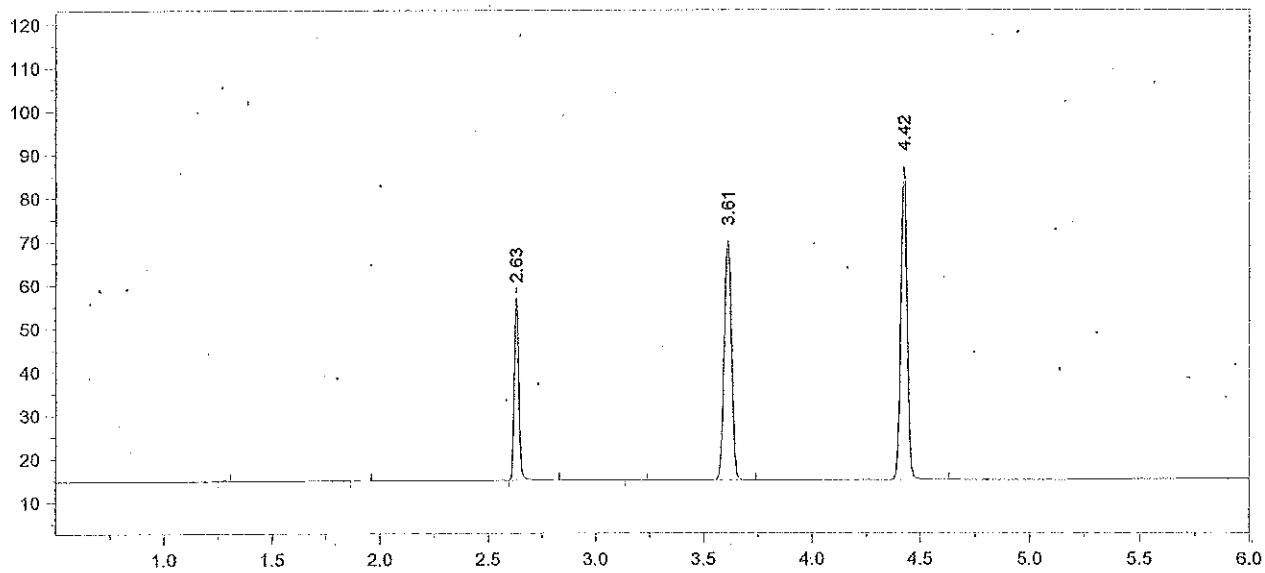


Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 12:37:03 PM
Bound File Name = SIM05152013.0010.RAW
Sample Name = CCS
Date Taken = 5/15/2013 12:36:58 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	62488	0.0830 *
5	3.61	t-Butanol	130972	1.0324
6	4.43	n-Propanol	149223	1.0000

13-06-040 63 RLM



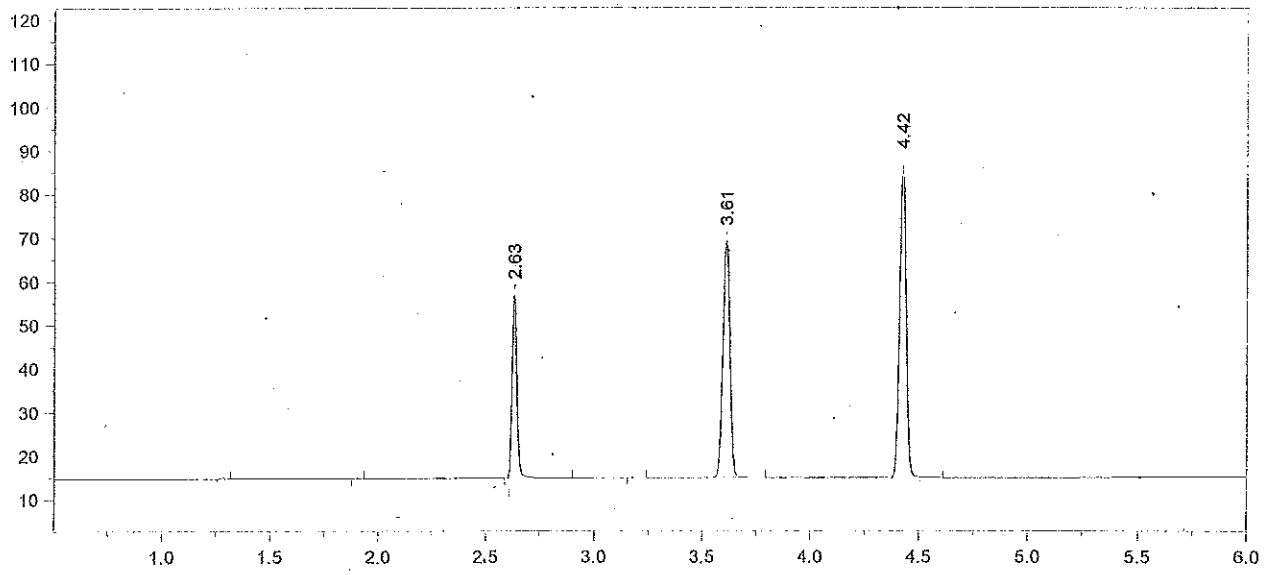
Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 12:50:37 PM
Bound File Name = SIM05152013.0011.RAW
Sample Name = CCS
Date Taken = 5/15/2013 12:50:33 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	64390	0.0839 ✗
5	3.61	t-Butanol	126931	0.9821
6	4.42	n-Propanol	152029	1.0000

Avg #10 + #11 = 0.083
RLM 5/16/13

13-06-040 64 RLM

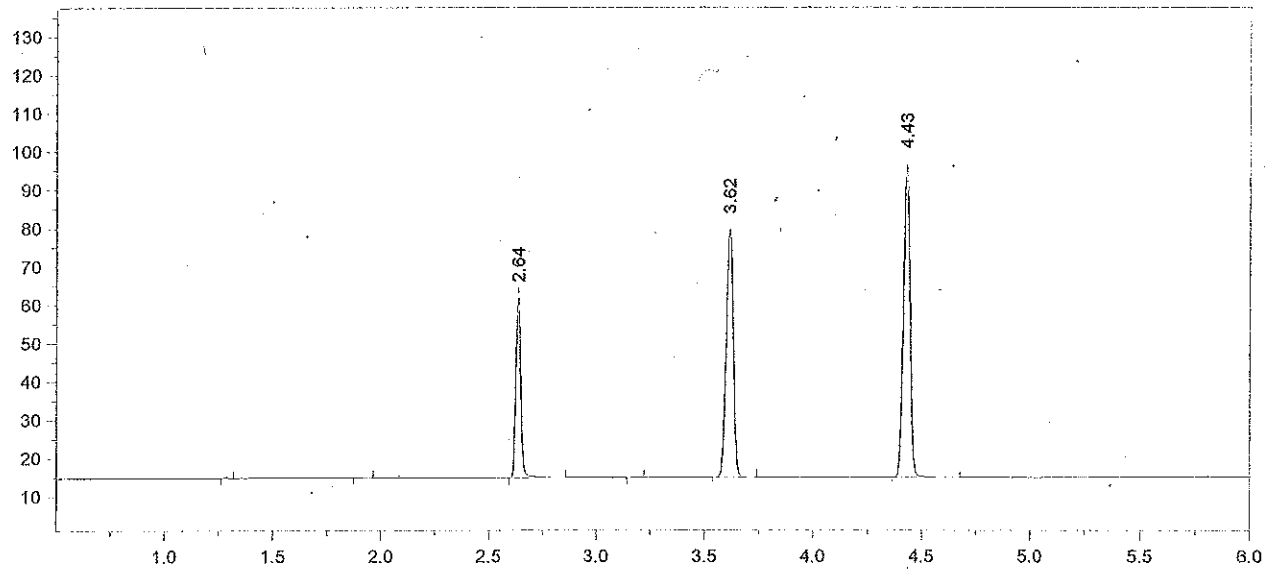


Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 2:54:52 PM
Bound File Name = SIM05152013.0019.RAW
Sample Name = CCS
Date Taken = 5/15/2013 2:54:46 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	64606	0.0845 *
5	3.61	t-Butanol	125526	0.9749
6	4.42	n-Propanol	151447	1.0000

13-06-040 65 RRM



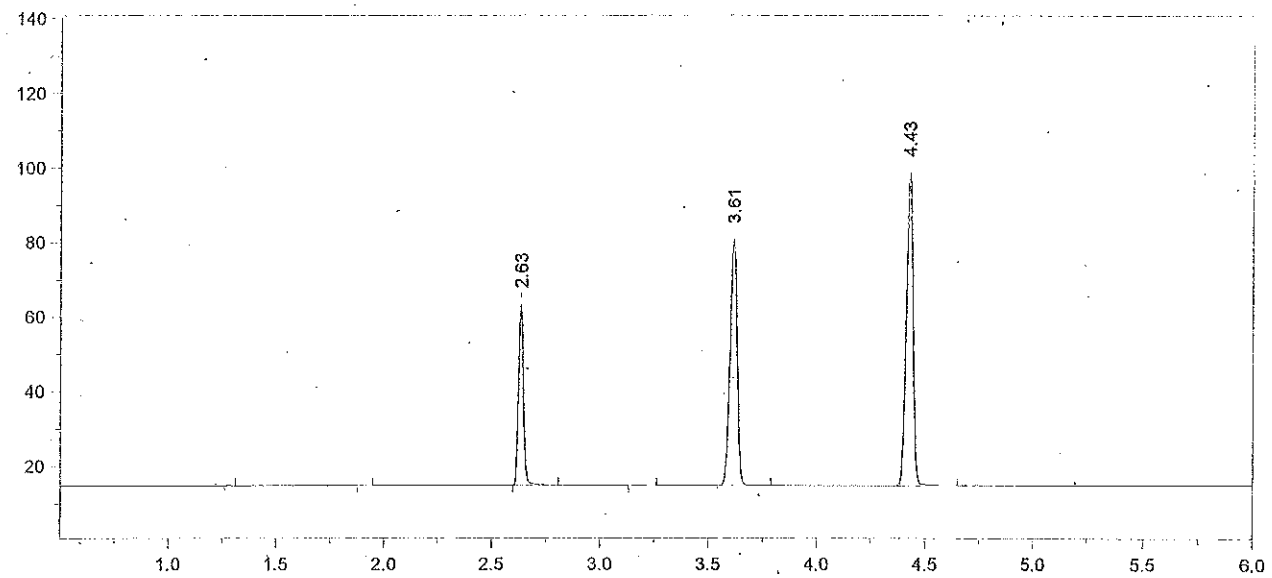
Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 3:10:55 PM
Bound File Name = SIM05152013.0020.RAW
Sample Name = CCS
Date Taken = 5/15/2013 3:10:46 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	71577	0.0823 *
5	3.62	t-Butanol	149382	1.0203
6	4.43	n-Propanol	172213	1.0000

Avg #19 + #20 = 0.083
RZM 5/16/13

13-06-040 66 RZM

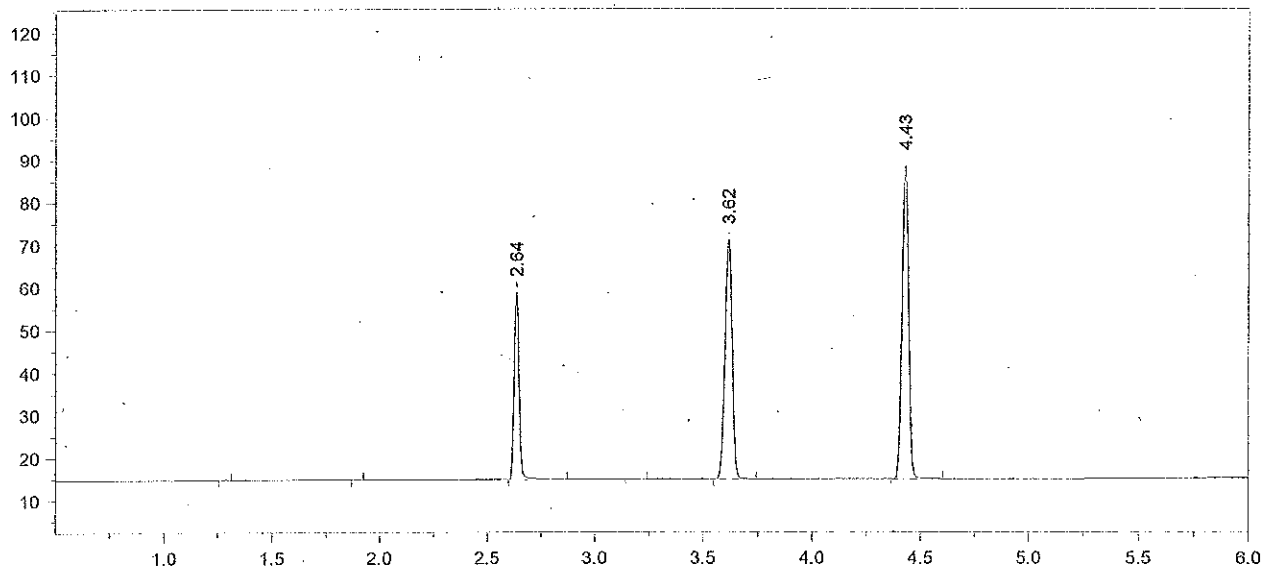


Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013 Today's Time = 5:14:57 PM
Bound File Name = SIM05152013.0028.RAW
Sample Name = CCS
Date Taken = 5/15/2013 5:14:51 PM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	73591	0.0824 *
5	3.61	t-Butanol	151442	1.0071
6	4.43	n-Propanol	176870	1.0000

13-06-040 67 RZM



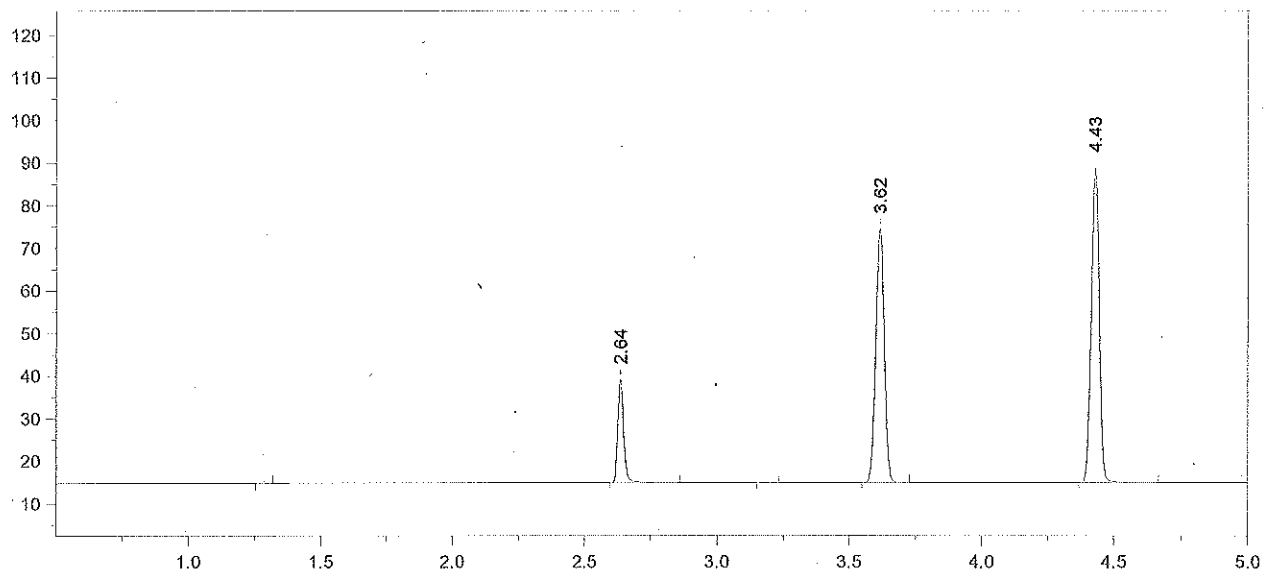
Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 5:30:33 PM
Bound File Name = SIM05152013.0029.RAW
Sample Name = CCS
Date Taken = 5/15/2013 5:30:25 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	66852	0.0848 *
5	3.62	t-Butanol	129266	0.9738
6	4.43	n-Propanol	156140	1.0000

Avg #28 + #29 = 0.083
RLM 5/16/13

13-06-040 68 RLM



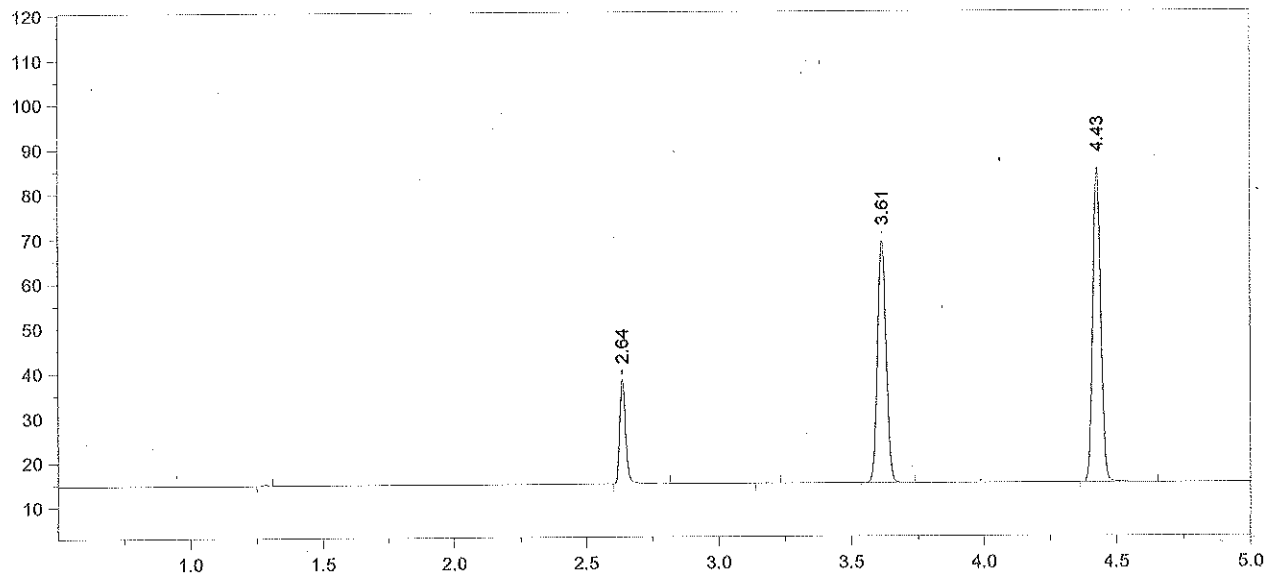
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 5:46:30 PM
Bound File Name = SIM05152013.0030.RAW
Sample Name = RLM 0.04
Date Taken = 5/15/2013 5:46:25 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	37317	0.0472	0.0385
4	3.62	t-Butanol	136973	1.0290	0.8399
5	4.43	n-Propanol	156570	1.0000	0.8162

13-06-040 69 RLM

Chrom Perfect Chromatogram Report

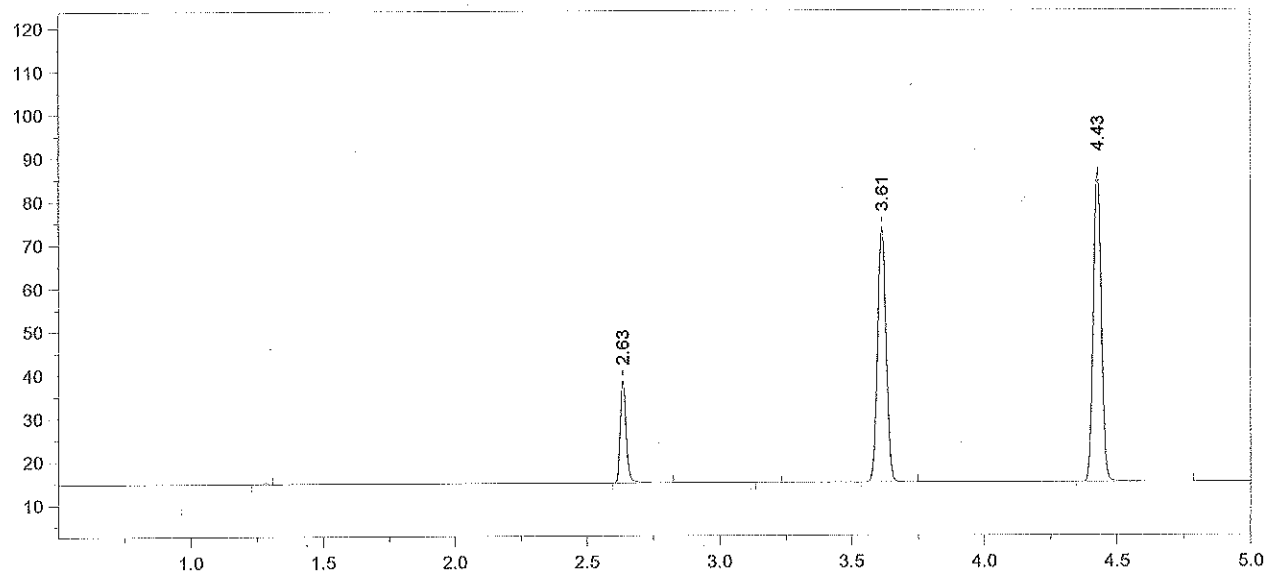


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013
Today's Time = 6:00:47 PM
Bound File Name = SIM05152013.0031.RAW
Sample Name = RLM 0.04
Date Taken = 5/15/2013 6:00:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	36000	0.0480	0.0392
4	3.61	t-Butanol	124839	0.9889	0.8071
5	4.43	n-Propanol	148495	1.0000	0.8162

13-06-040 70 RLM

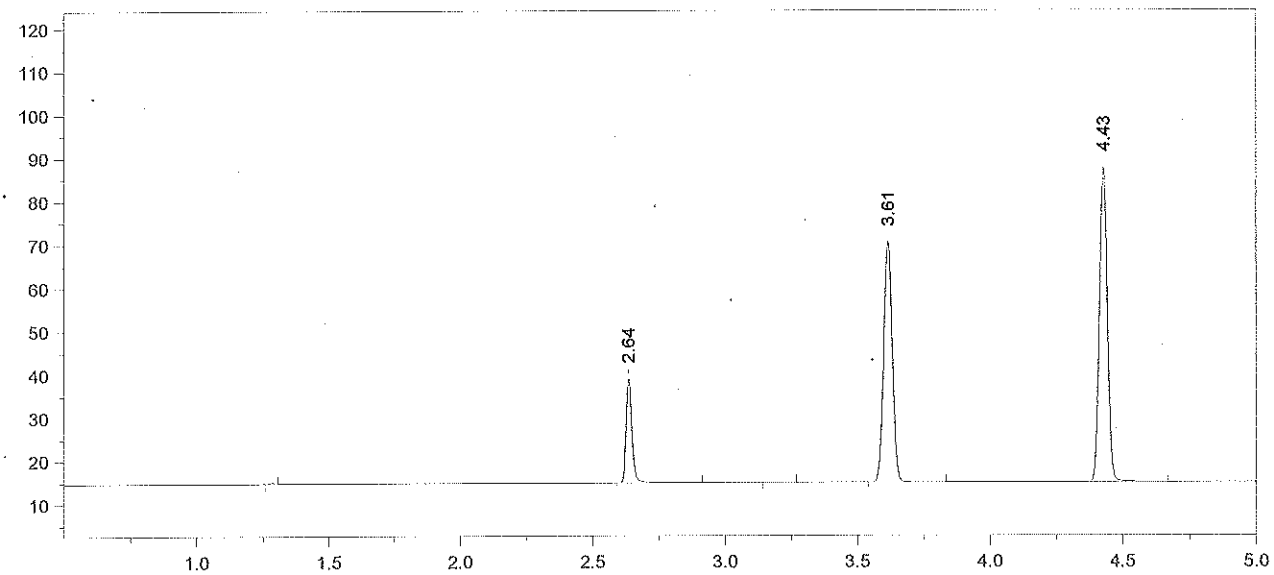


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013
Today's Time = 6:18:03 PM
Bound File Name = SIM05152013.0032.RAW
Sample Name = RLM 0.04
Date Taken = 5/15/2013 6:17:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	36441	0.0471	0.0385
4	3.61	t-Butanol	135024	1.0364	0.8459
5	4.43	n-Propanol	153238	1.0000	0.8162

13-06-040 71 RLM

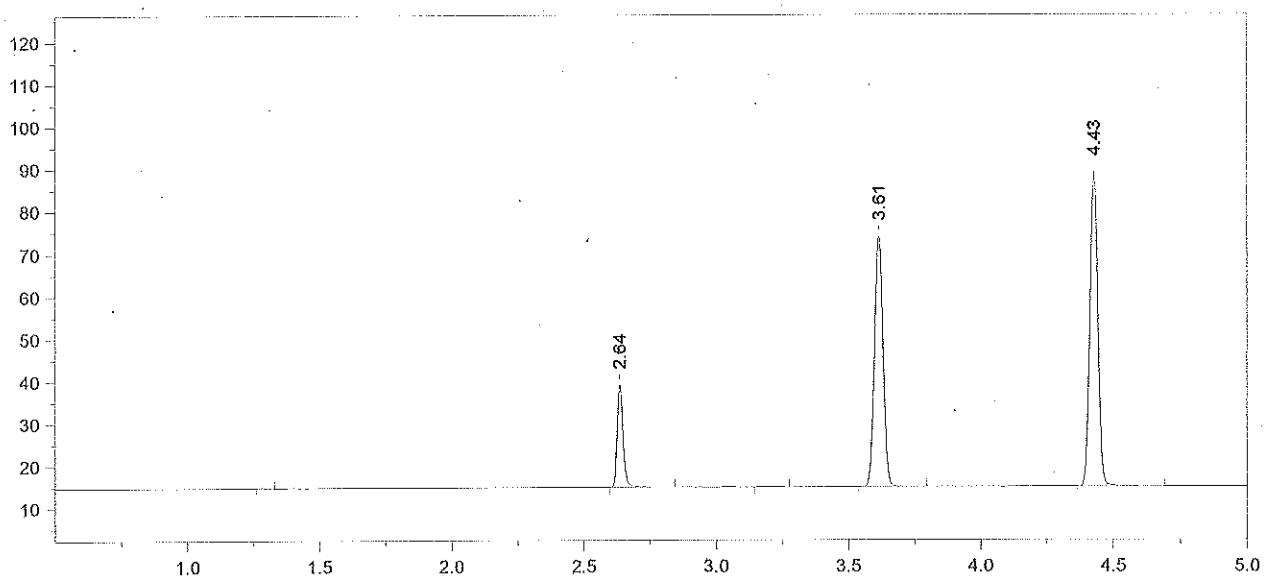


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013
Today's Time = 6:31:50 PM
Bound File Name = SIM05152013.0033.RAW
Sample Name = RLM 0.04
Date Taken = 5/15/2013 6:31:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	37490	0.0485	0.0396
4	3.61	t-Butanol	128569	0.9868	0.8054
5	4.43	n-Propanol	153255	1.0000	0.8162

13-06-040 72 RLM

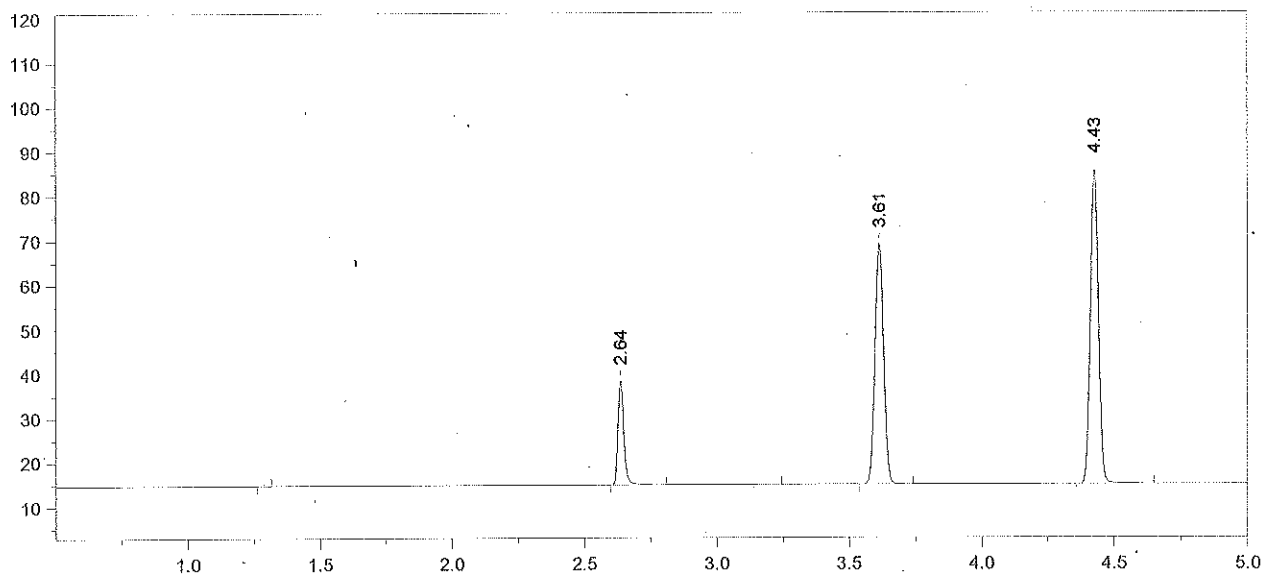


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013
Today's Time = 6:47:43 PM
Bound File Name = SIM05152013.0034.RAW
Sample Name = RLM 0.04
Date Taken = 5/15/2013 6:47:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	37356	0.0474	0.0387
4	3.61	t-Butanol	136513	1.0282	0.8392
5	4.43	n-Propanol	156172	1.0000	0.8162

13-06-040 73 RLM

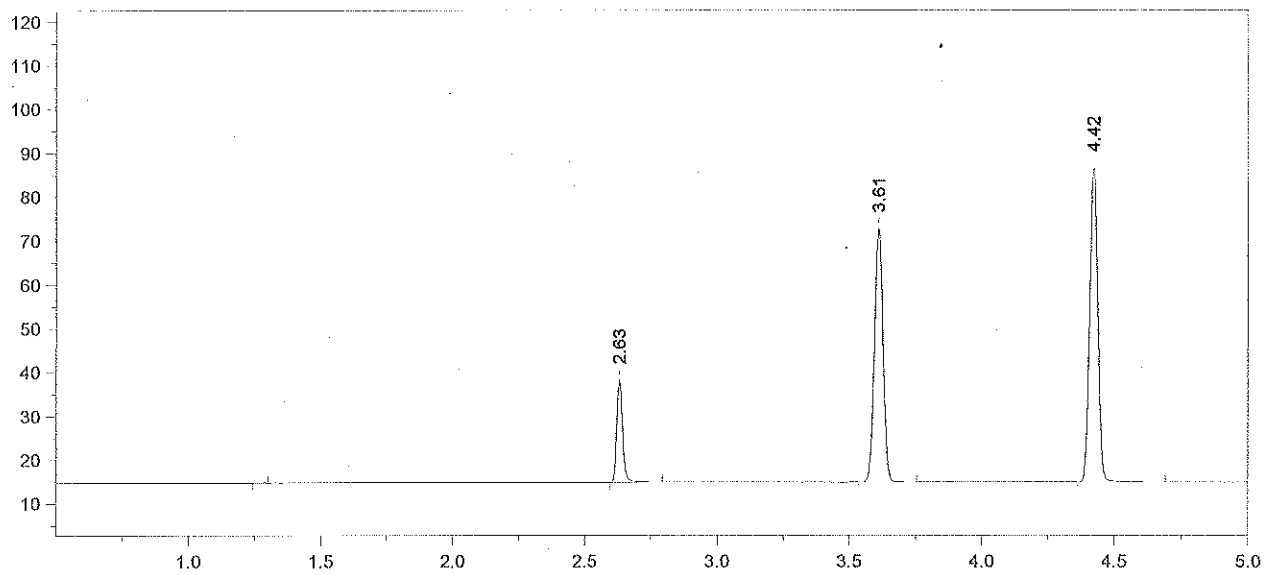


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013
Today's Time = 7:03:17 PM
Bound File Name = SIM05152013.0035.RAW
Sample Name = RLM 0.04
Date Taken = 5/15/2013 7:03:10 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	36271	0.0483	0.0394
4	3.61	t-Butanol	124717	0.9858	0.8046
5	4.43	n-Propanol	148807	1.0000	0.8162

13-06-040 74 RLM

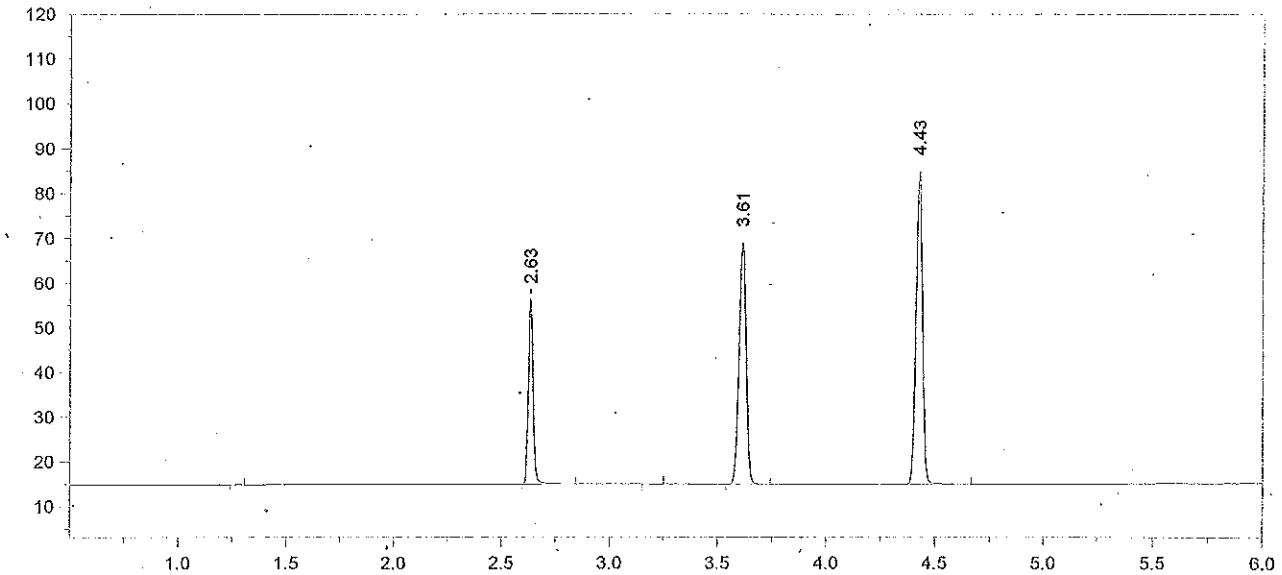


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 7:19:16 PM
Bound File Name = SIM05152013.0036.RAW
Sample Name = RLM 0.04
Date Taken = 5/15/2013 7:19:09 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	36011	0.0470	0.0383
3	3.61	t-Butanol	133349	1.0324	0.8426
4	4.42	n-Propanol	151929	1.0000	0.8162

13-06-040 75 RRM

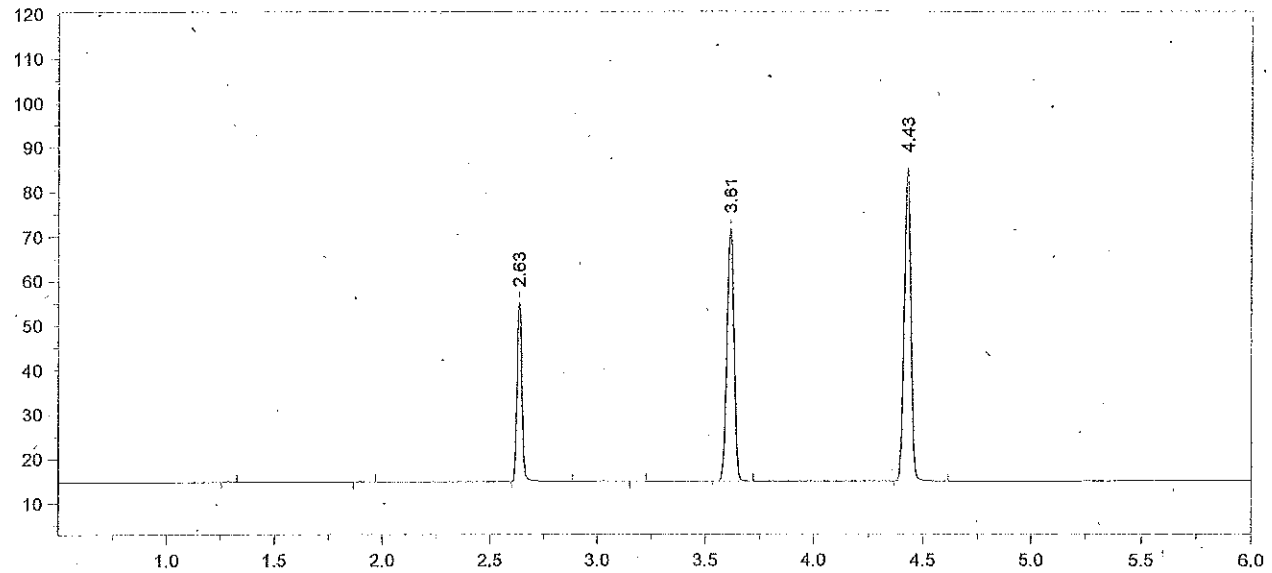


Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 7:33:39 PM
Bound File Name = SIM05152013.0037.RAW
Sample Name = CCS
Date Taken = 5/15/2013 7:33:31 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	62875	0.0841*
4	3.61	t-Butanol	124121	0.9858
5	4.43	n-Propanol	148097	1.0000

13-06-040 76 RLM



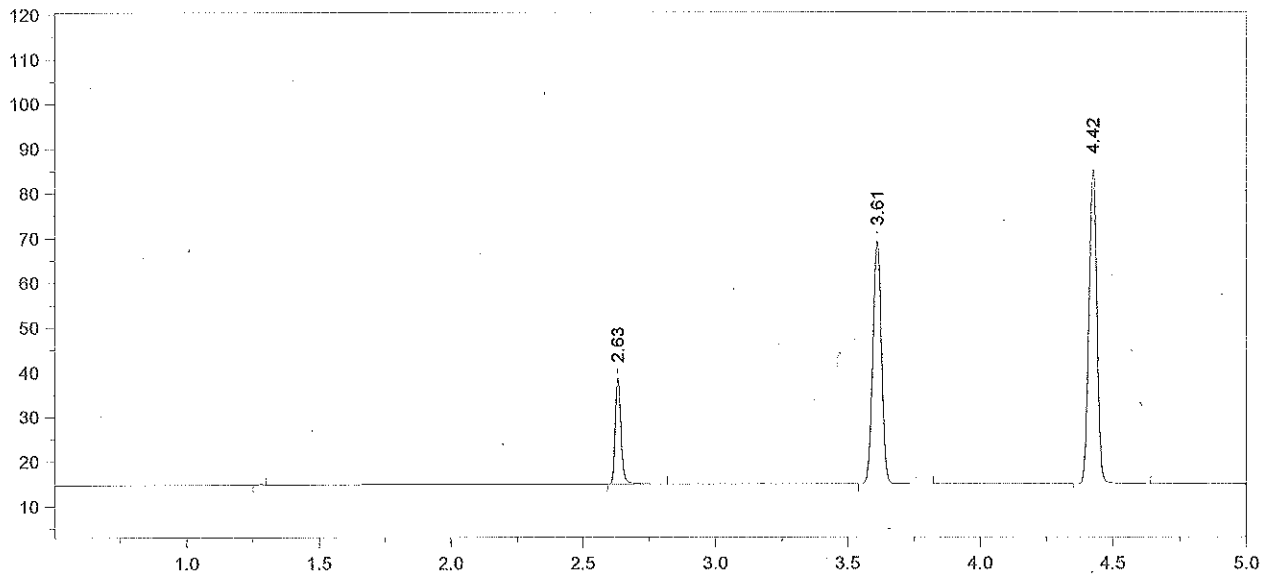
Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 7:50:43 PM
Bound File Name = SIM05152013.0038.RAW
Sample Name = CCS
Date Taken = 5/15/2013 7:50:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	62040	0.0831*
5	3.61	t-Butanol	130576	1.0389
6	4.43	n-Propanol	147839	1.0000

Avg #37 + #38 = 0.083
RLM 5/16/13

13-06-040 77 RLM

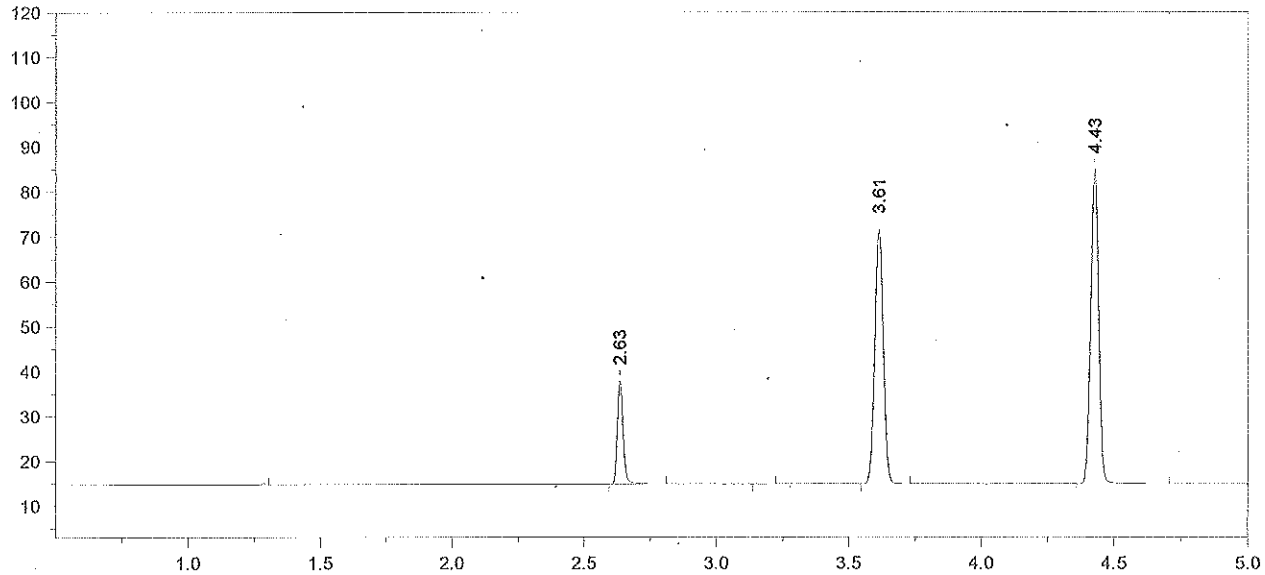


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013
Today's Time = 8:04:28 PM
Bound File Name = SIM05152013.0039.RAW
Sample Name = ALB 0.04
Date Taken = 5/15/2013 8:04:19 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	36973	0.0493	0.0402
3	3.61	t-Butanol	125448	0.9931	0.8105
4	4.42	n-Propanol	148587	1.0000	0.8162

13-06-040 78 RLM

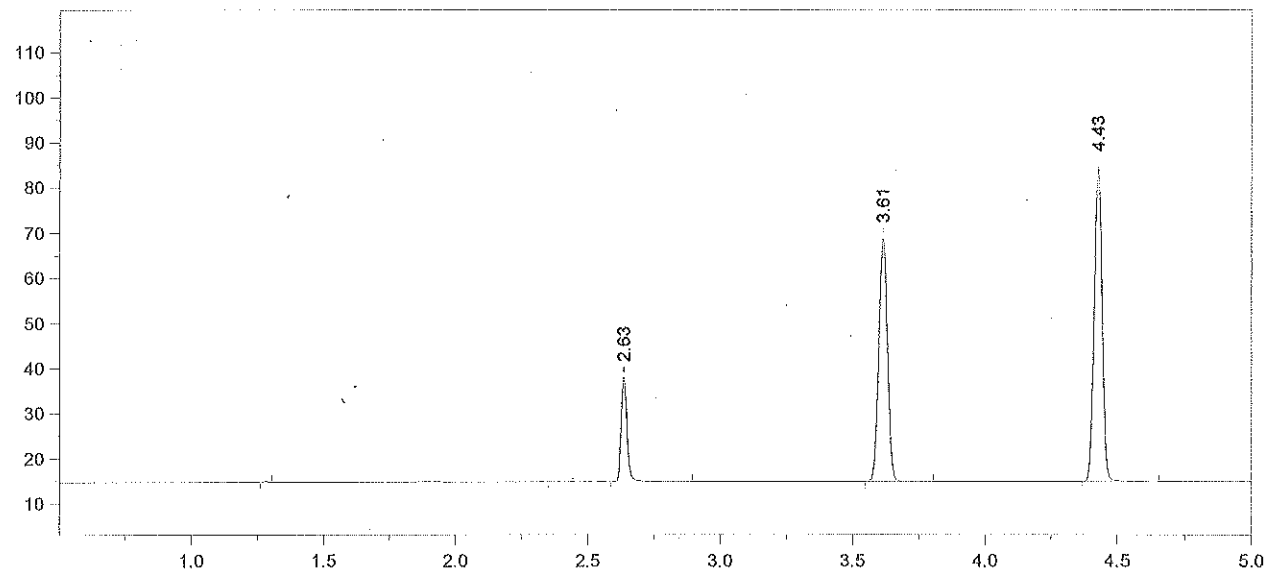


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 8:22:09 PM
Bound File Name = SIM05152013.0040.RAW
Sample Name = ALB 0.04
Date Taken = 5/15/2013 8:22:04 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	35518	0.0476	0.0389
4	3.61	t-Butanol	130281	1.0369	0.8463
5	4.43	n-Propanol	147787	1.0000	0.8162

13-06-040 79 RLM

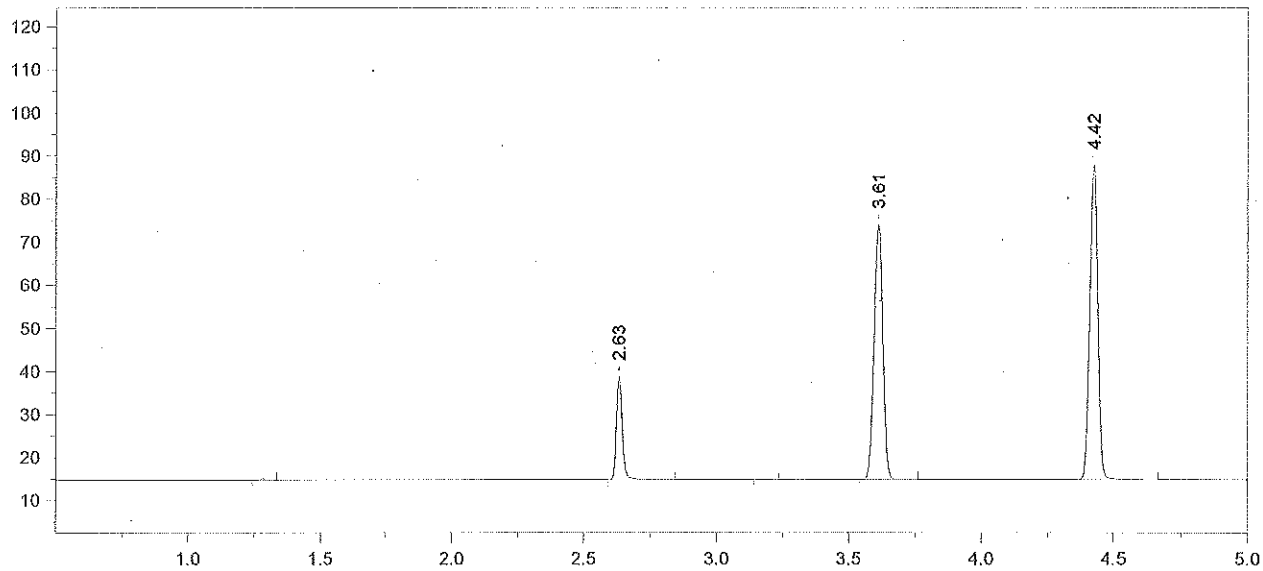


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 8:35:25 PM
Bound File Name = SIM05152013.0041.RAW
Sample Name = ALB 0.04
Date Taken = 5/15/2013 8:35:17 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	36323	0.0491	0.0401
3	3.61	t-Butanol	124243	0.9968	0.8136
4	4.43	n-Propanol	146615	1.0000	0.8162

13-06-040 80 RLM

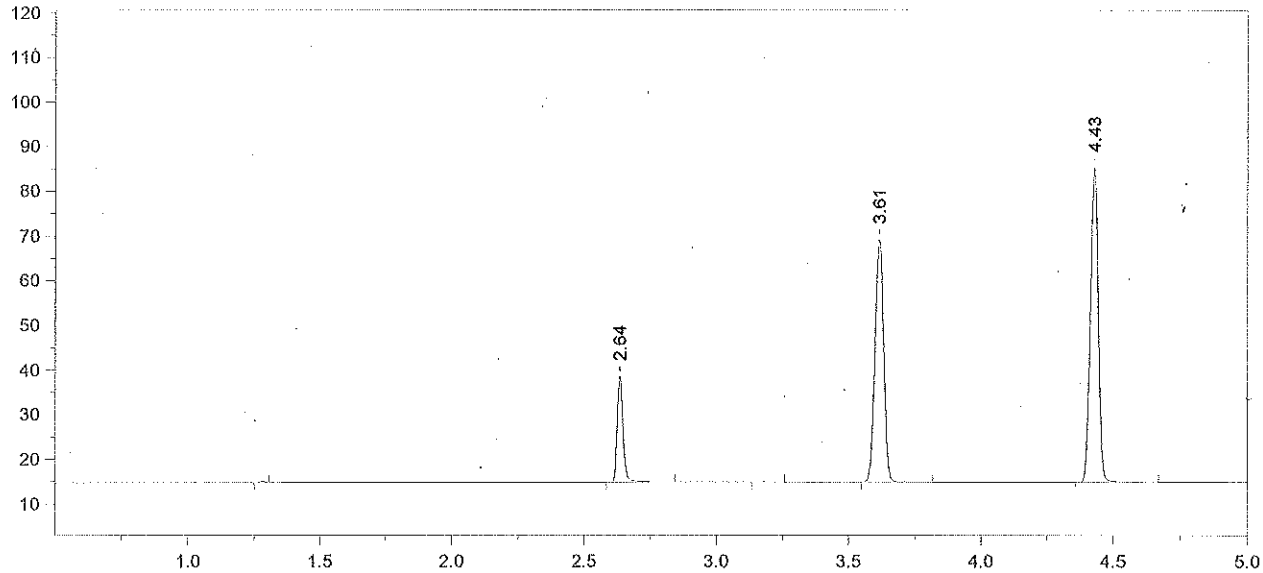


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 8:53:36 PM
Bound File Name = SIM05152013.0042.RAW
Sample Name = ALB 0.04
Date Taken = 5/15/2013 8:53:29 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	37264	0.0478	0.0390
4	3.61	t-Butanol	136555	1.0396	0.8485
5	4.42	n-Propanol	154499	1.0000	0.8162

13-06-040 81 RZM

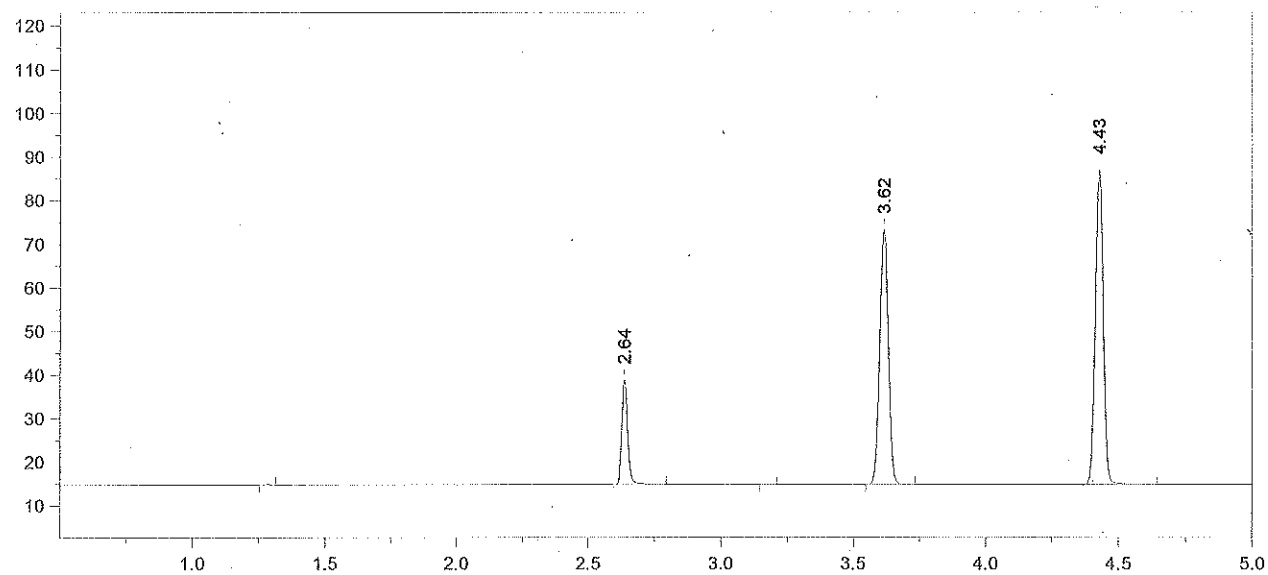


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 9:07:15 PM
Bound File Name = SIM05152013.0043.RAW
Sample Name = ALB 0.04
Date Taken = 5/15/2013 9:07:09 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	36892	0.0491	0.0401
4	3.61	t-Butanol	125139	0.9888	0.8070
5	4.43	n-Propanol	148868	1.0000	0.8162

13-06-040 82 RLM

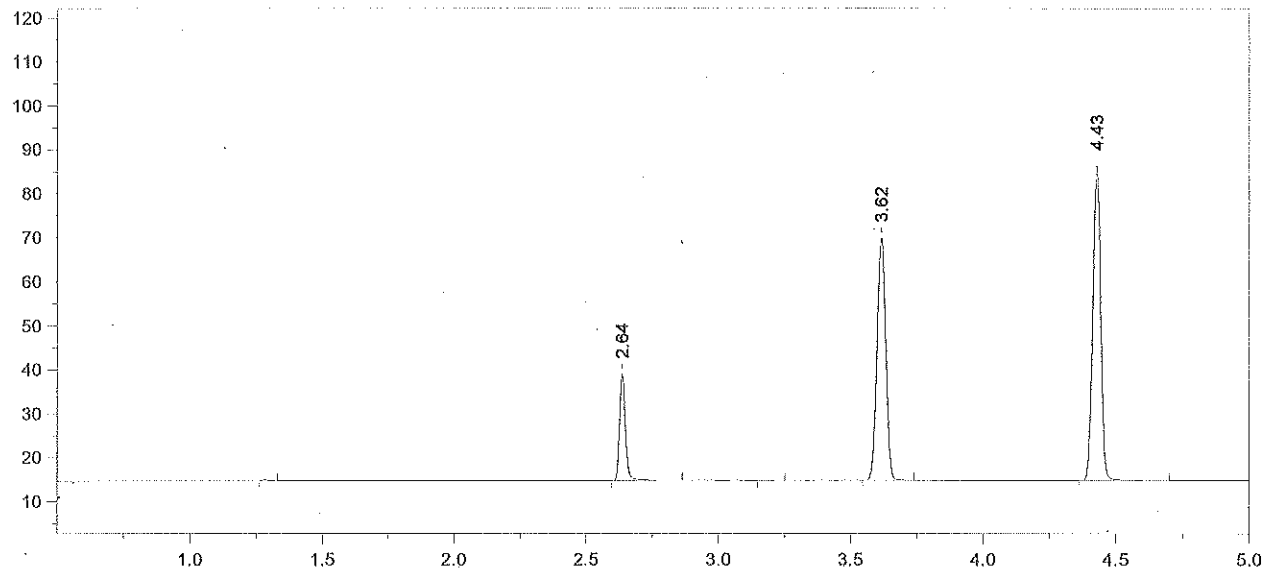


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 9:25:01 PM
Bound File Name = SIM05152013.0044.RAW
Sample Name = ALB 0.04
Date Taken = 5/15/2013 9:24:56 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	36774	0.0479	0.0391
4	3.62	t-Butanol	134496	1.0390	0.8481
5	4.43	n-Propanol	152259	1.0000	0.8162

13-06-040 83 RZM

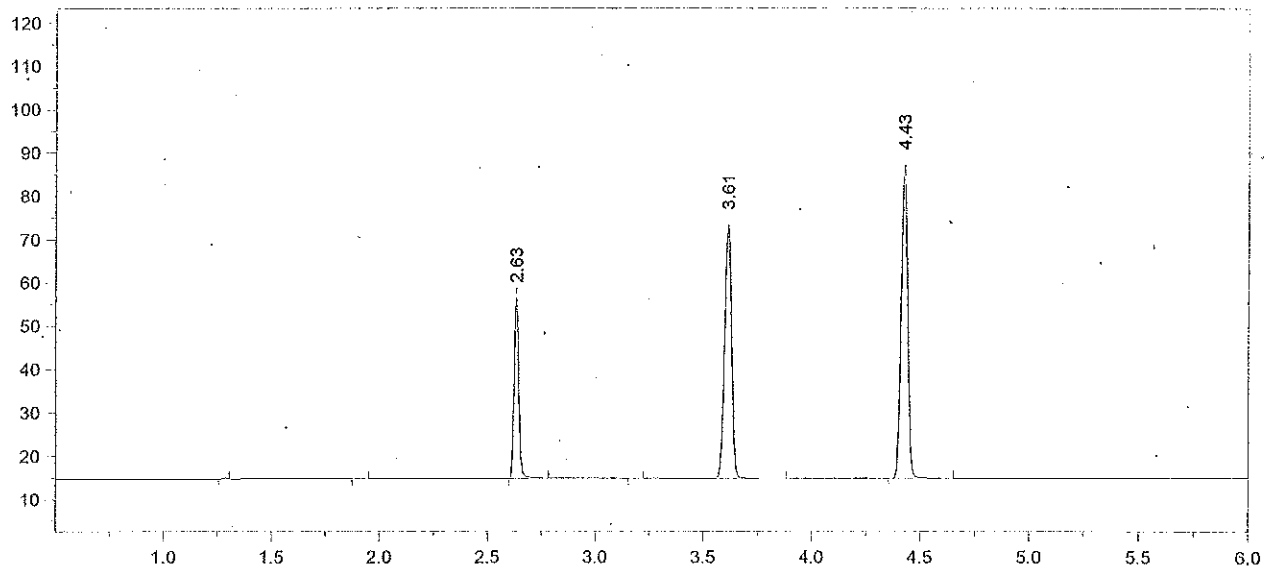


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 9:38:54 PM
Bound File Name = SIM05152013.0045.RAW
Sample Name = ALB 0.04
Date Taken = 5/15/2013 9:38:44 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05152013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	37282	0.0487	0.0397
4	3.62	t-Butanol	126939	0.9835	0.8027
5	4.43	n-Propanol	151824	1.0000	0.8162

13-06-040 84 RZM

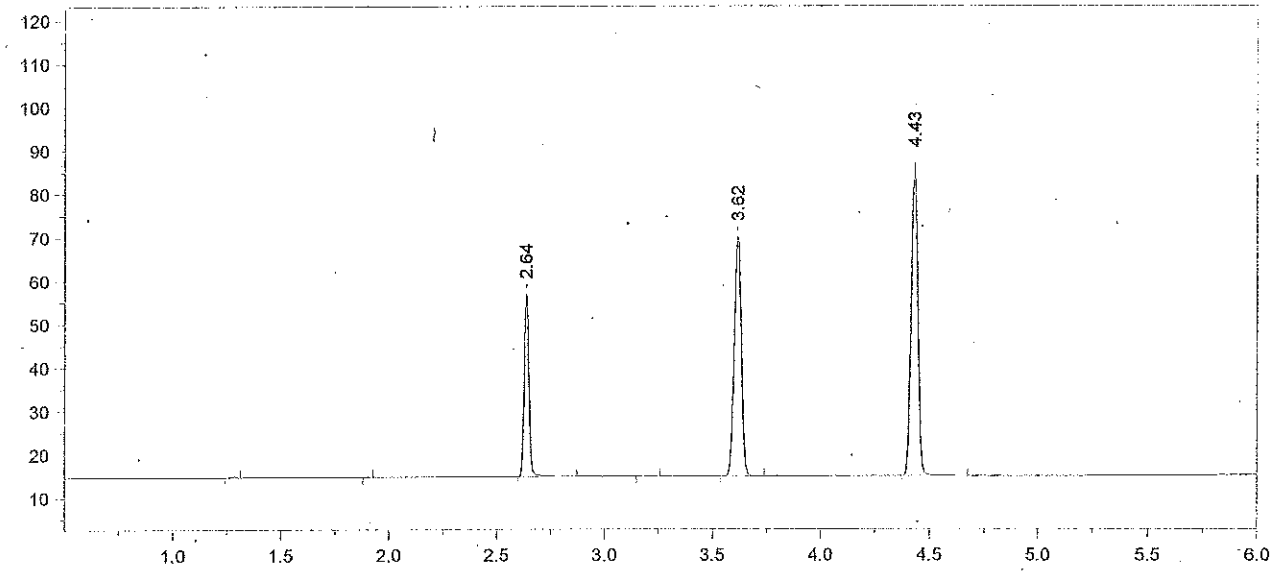


Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 9:56:29 PM
Bound File Name = SIM05152013.0046.RAW
Sample Name = CCS
Date Taken = 5/15/2013 9:56:22 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	62989	0.0816 *
5	3.61	t-Butanol	135004	1.0388
6	4.43	n-Propanol	152862	1.0000

13-06-040 85 RKM



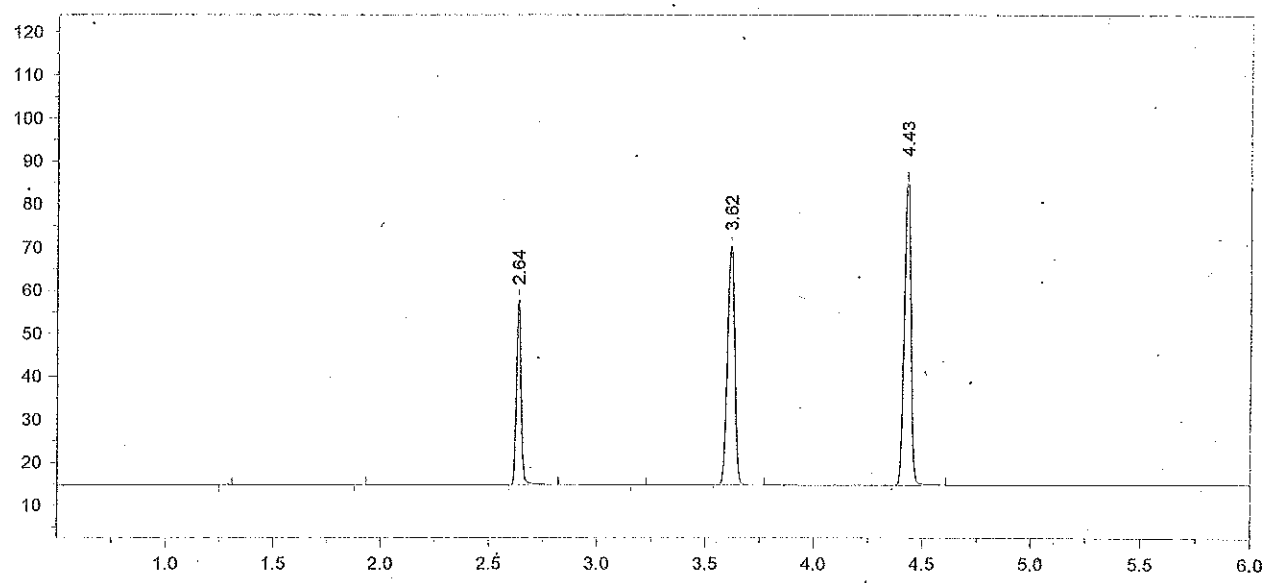
Format File Name = AlcoholVFL.FMT

Today's Date = 5/15/2013
Today's Time = 10:10:16 PM
Bound File Name = SIM05152013.0047.RAW
Sample Name = CCS
Date Taken = 5/15/2013 10:10:08 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	64353	0.0836 *
5	3.62	t-Butanol	127550	0.9842
6	4.43	n-Propanol	152443	1.0000

Avg #46 + #47 = 0.082
RZM 5/16/13

13-06-040 86 RZM

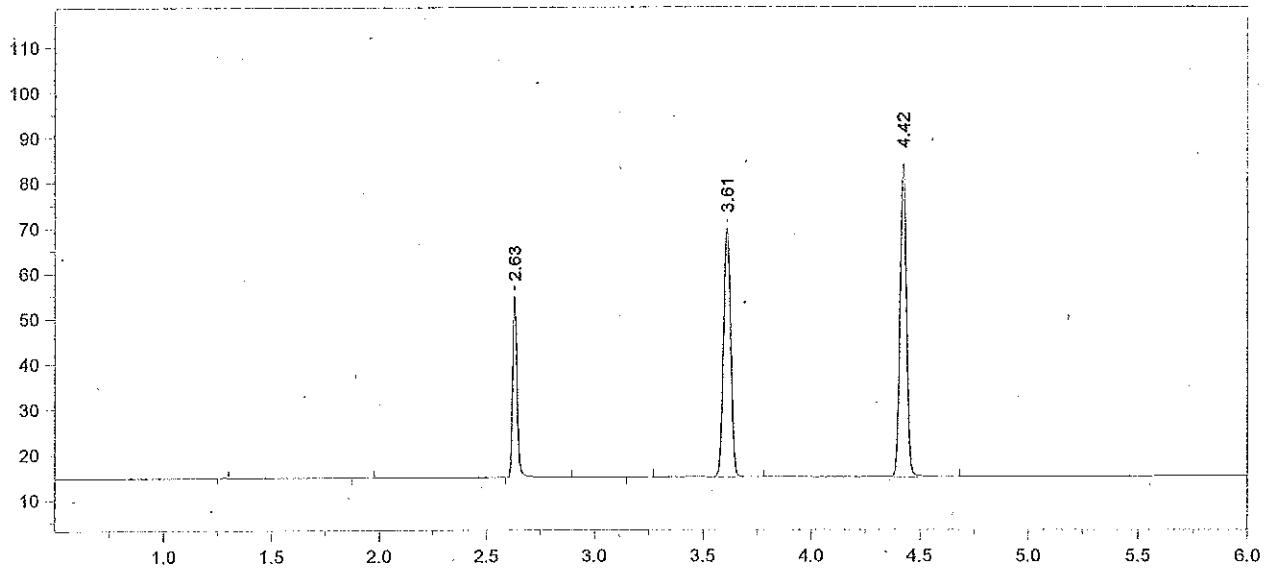


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 12:16:03 AM
Bound File Name = SIM05152013.0055.RAW
Sample Name = CCS
Date Taken = 5/16/2013 12:15:53 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	64995	0.0837*
5	3.62	t-Butanol	128305	0.9804
6	4.43	n-Propanol	153931	1.0000

13-06-040 87 LLM



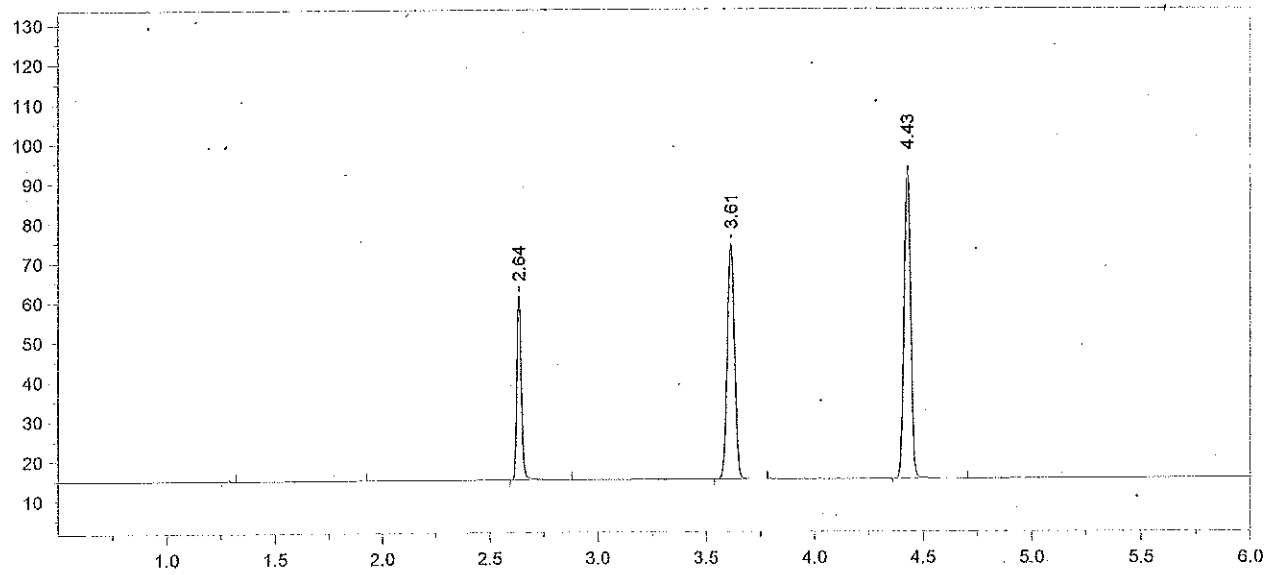
Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 12:30:32 AM
Bound File Name = SIM05152013.0056.RAW
Sample Name = CCS
Date Taken = 5/16/2013 12:30:24 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	61522	0.0836 *
5	3.61	t-Butanol	127041	1.0251
6	4.42	n-Propanol	145777	1.0000

Avg #55 + #56 = 0.083
RKM 5/16/13

13-06-040 88 RKM

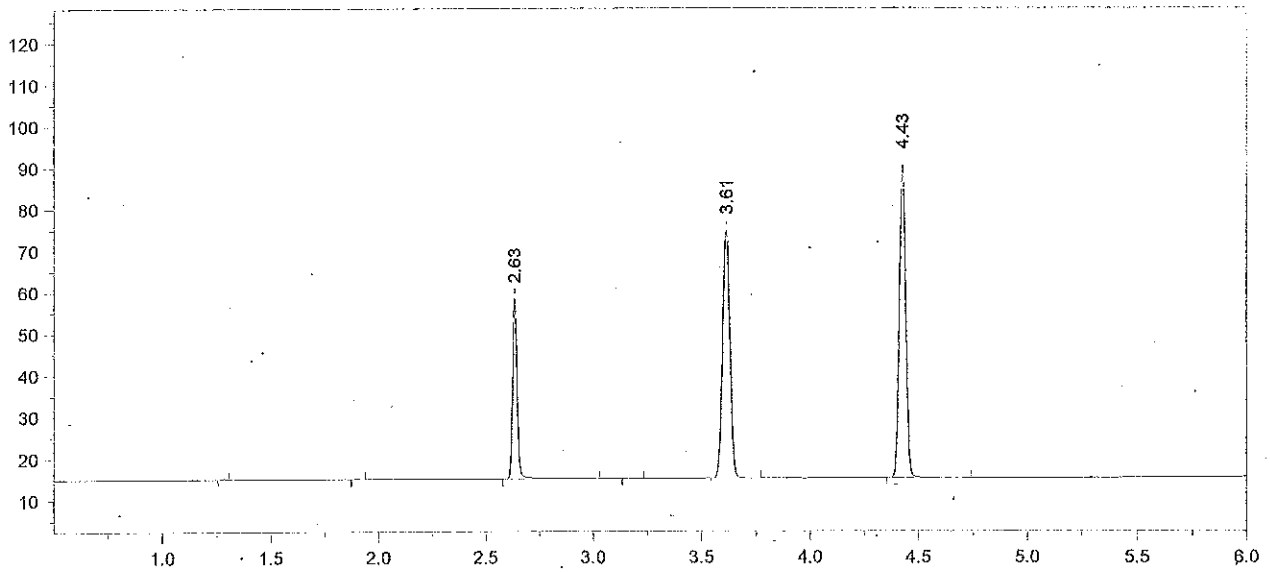


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 8:26:11 AM
Bound File Name = SIM05152013.0057.RAW
Sample Name = CCS
Date Taken = 5/16/2013 8:26:05 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	71140	0.0841%
4	3.61	t-Butanol	135948	0.9546
5	4.43	n-Propanol	167513	1.0000

13-06-040 89 RLM



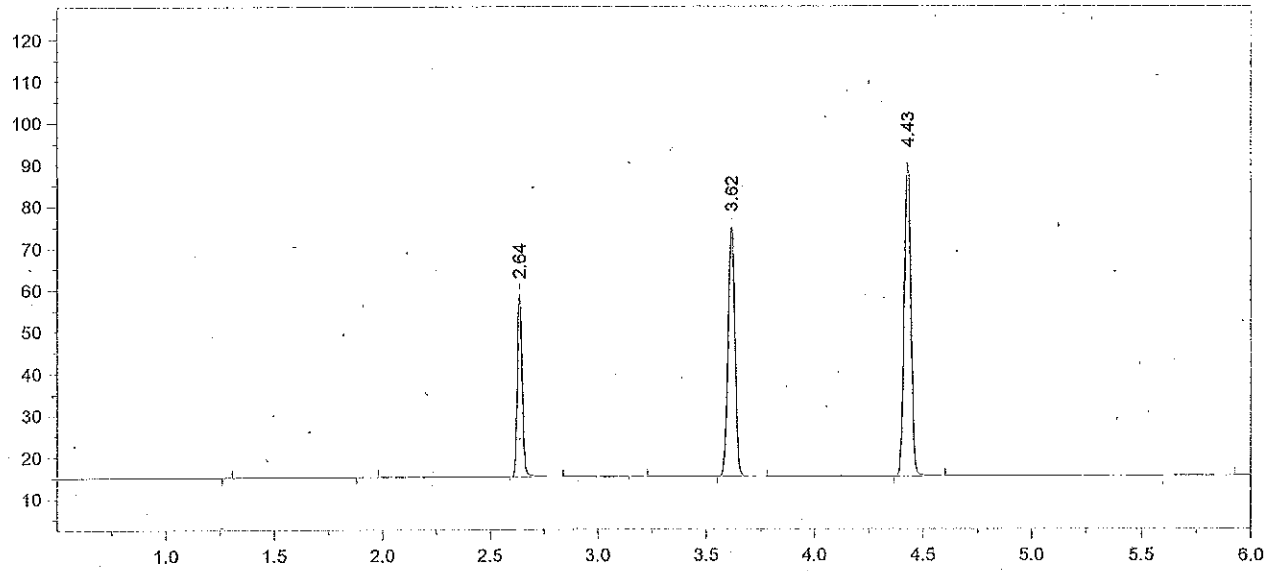
Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 8:43:23 AM
Bound File Name = SIM05152013.0058.RAW
Sample Name = CCS
Date Taken = 5/16/2013 8:43:19 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	66671	0.0832 *
5	3.61	t-Butanol	137738	1.0210
6	4.43	n-Propanol	158677	1.0000

Avg #57 + #58 = 0.083
RLM 5/16/13

13-06-040 90 RLM

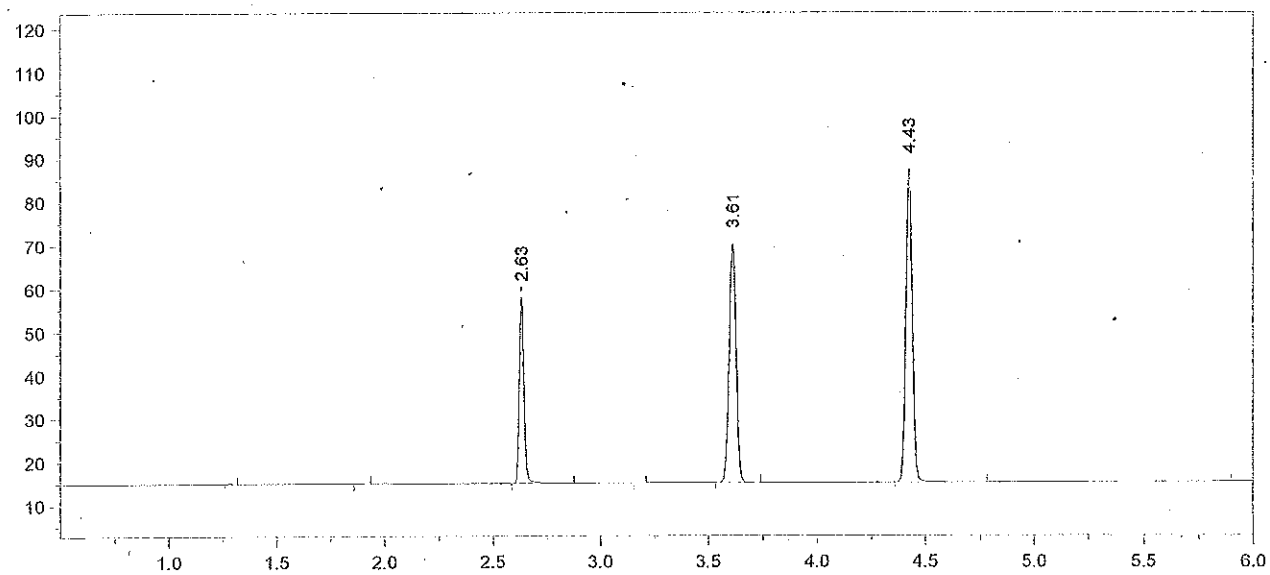


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 10:46:36 AM
Bound File Name = SIM05152013.0066.RAW
Sample Name = CCS
Date Taken = 5/16/2013 10:46:26 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	66371	0.0830 *
5	3.62	t-Butanol	137699	1.0219
6	4.43	n-Propanol	158495	1.0000

13-06-040 91 RRM



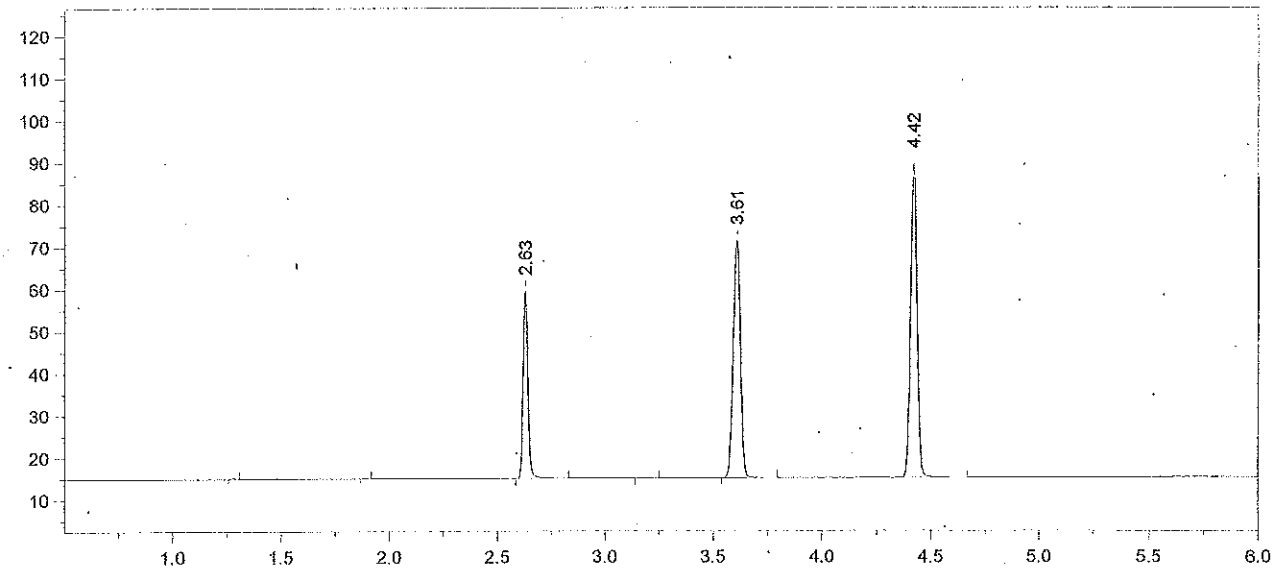
Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 11:00:51 AM
Bound File Name = SIM05152013.0067.RAW
Sample Name = CCS
Date Taken = 5/16/2013 11:00:42 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	65613	0.0847
5	3.61	t-Butanol	126671	0.9713
6	4.43	n-Propanol	153405	1.0000

Avg #66 + #67 = 0.084
RRM 5/16/13

13-06-040 92 RRM

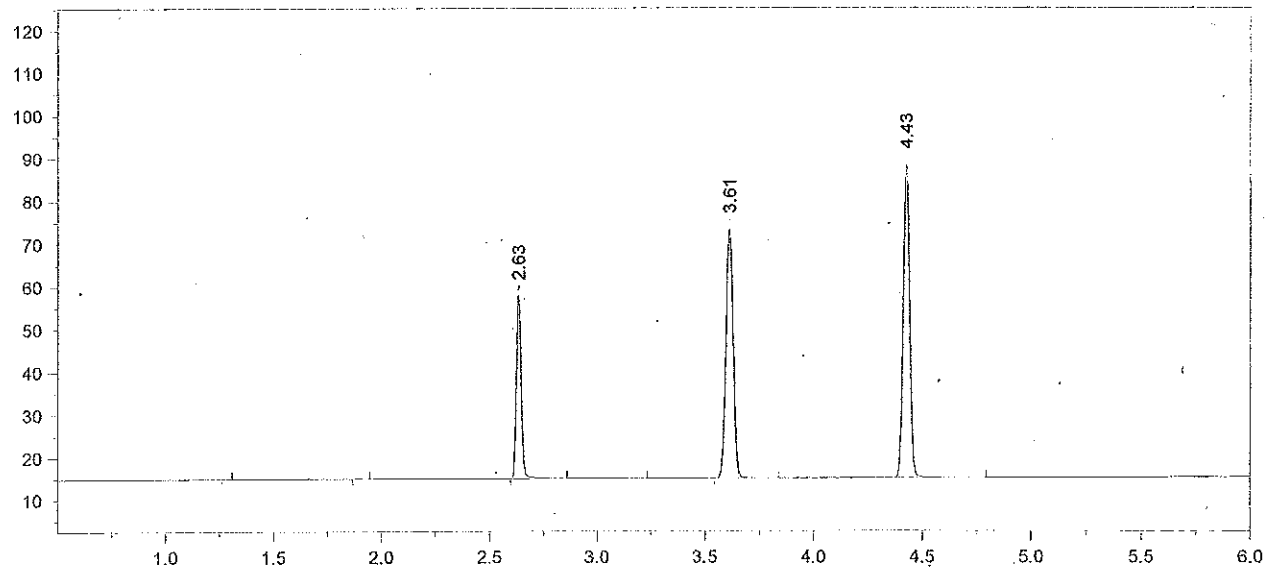


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 1:04:51 PM
Bound File Name = SIM05152013.0075.RAW
Sample Name = CCS
Date Taken = 5/16/2013 1:04:44 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	67341	0.0846 *
5	3.61	t-Butanol	129687	0.9669
6	4.42	n-Propanol	157772	1.0000

13-06-040 93 [illegible]



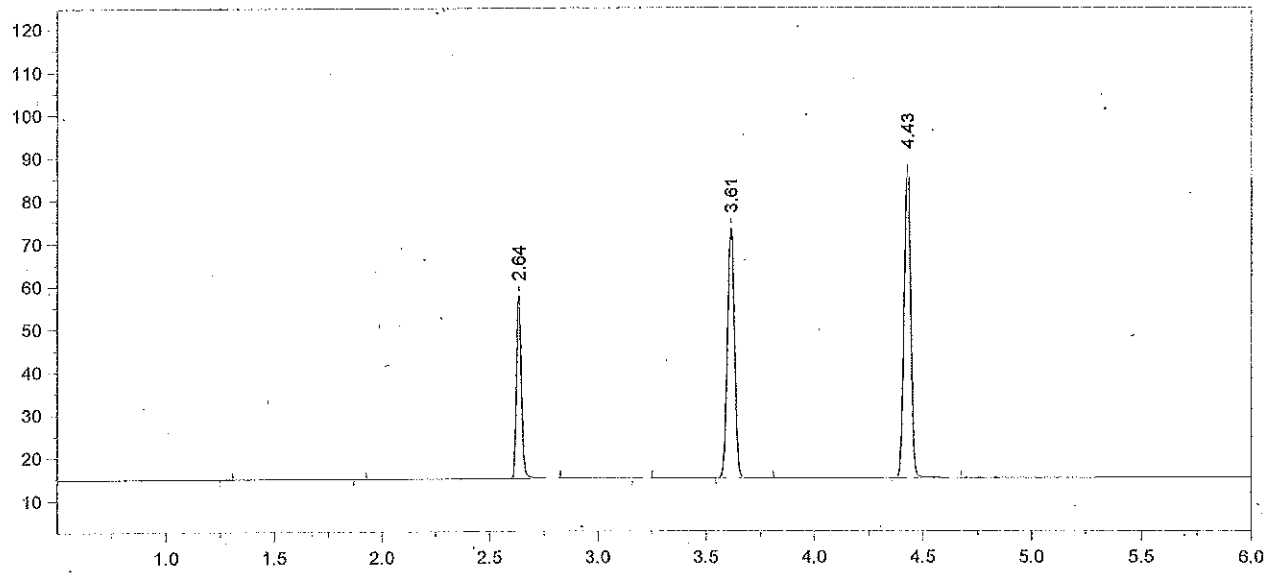
Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 1:21:57 PM
Bound File Name = SIM05152013.0076.RAW
Sample Name = CCS
Date Taken = 5/16/2013 1:21:52 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	65126	0.0833 X
5	3.61	t-Butanol	134127	1.0184
6	4.43	n-Propanol	154917	1.0000

Avg #75 + #76 = 0.084
RZM 5/16/13

13-06-040 94 RZM

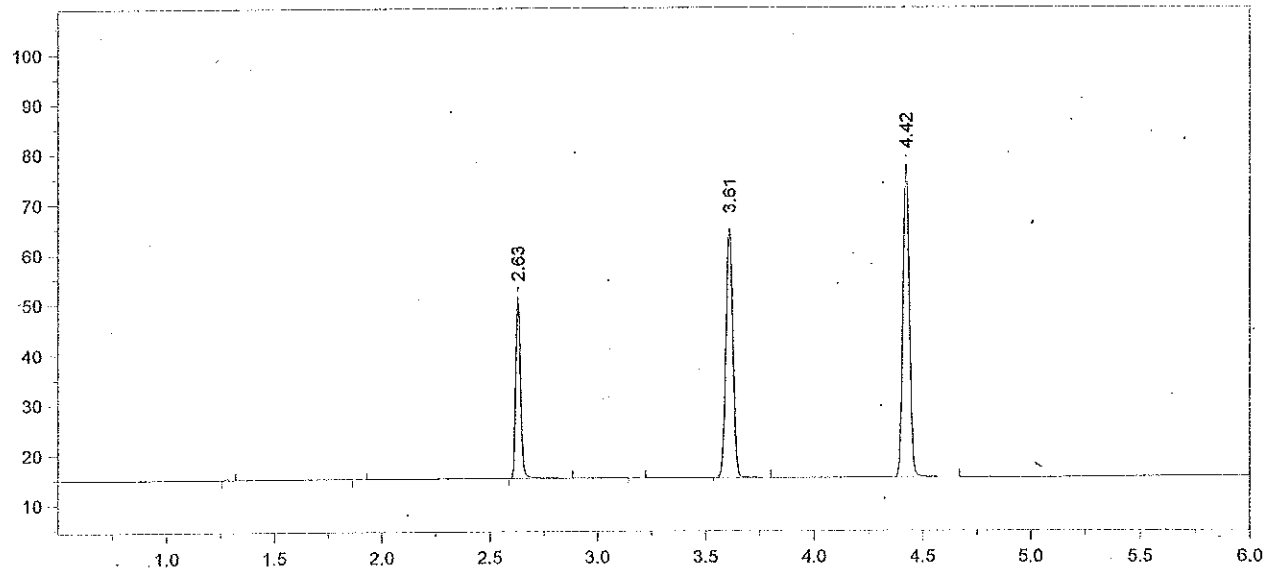


Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 3:27:39 PM
Bound File Name = SIM05152013.0084.RAW
Sample Name = CCS
Date Taken = 5/16/2013 3:27:32 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	64706	0.0830
5	3.61	t-Butanol	134715	1.0264
6	4.43	n-Propanol	154387	1.0000

13-06-040 95 RLM



Format File Name = AlcoholVFL.FMT

Today's Date = 5/16/2013
Today's Time = 3:41:27 PM
Bound File Name = SIM05152013.0085.RAW
Sample Name = CCS
Date Taken = 5/16/2013 3:41:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	55489	0.0832
5	3.61	t-Butanol	114365	1.0182
6	4.42	n-Propanol	132123	1.0000

Avg #84 + #85 = 0.083
RLM 5/16/13

13-06-040 96 RLM