VERMONT FORENSIC LABORATORY

PO BOX 47
WATERBURY, VERMONT 05676-0047
TEL: 802-244-8788
FAX: 802-241-5557
http://vfl.vermont.gov

Certificate of Analysis of DataMaster External Standard Solution

On 5/10/2013, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 13-04-100 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 0.099 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

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

Rebecca Mead

Rebecca Mead

0.1 External Standard Solution 20L
Lot # 13-04-100
Prepared 05/10/2013 by RLM
Exp 05/10/2014

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

0.0994 alb
0.1030
0.1006
0.1027
0.1021
0.1021
0.1023
0.0996 rlm
0.0982
0.1007
0.0986
0.1002
0.0985
0.1004

Ave. = 0.1006
Std Dev. = 0.0016
Range = 0.0982-0.1030

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

0.0966 rlm
0.0978
0.0965
0.0980
0.0958
0.0978
0.0964
0.0984 alb
0.0990
0.1007
0.0994
0.1008
0.0996
0.1001

Ave. = 0.0984
Std Dev. = 0.0016
Range = 0.0958-0.1008

Total Values from Both Runs

Average	Mean
0.0994	0.0958
0.1030	0.0964
0.1006	0.0965
0.1027	0.0966
0.1021	0.0978
0.1021	
0.1023	0.0980
0.0996	0.0982
0.0982	0.0984
0.1007	0.0985
0.0986	0.0986
0.1002	0.0990
0.0985	0.0994
0.1004	
0.0966	0.0996
0.0978	
0.0965	0.1001
0.0980	0.1002
0.0958	0.1004
0.0978	0.1006
0.0964	0.1007
0.0984	
0.0990	0.1008
0.1007	0.1021
0.0994	
0.1008	0.1023
0.0996	0.1027
0.1001	0.1030

Ave. =	0.0995
Avg Std Dev. =	0.0020
Mean =	0.0994
Mean Std Dev. =	0.0021
Range =	0.0958-0.1030
RPD =	7.23%

5/20/2013

Headspace Alcohol Analysis Standards Coversheet

5/20/2013

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

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
% 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

(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	1.89		
		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	

13-04-100 2 RLM

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

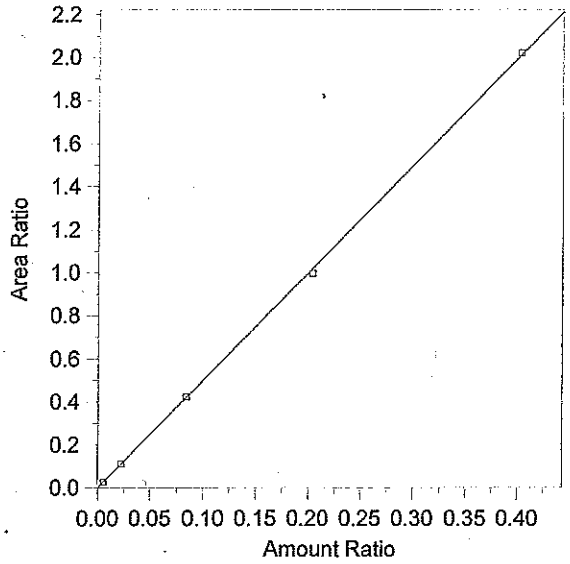
Creator:
Description:
Reason for change:

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

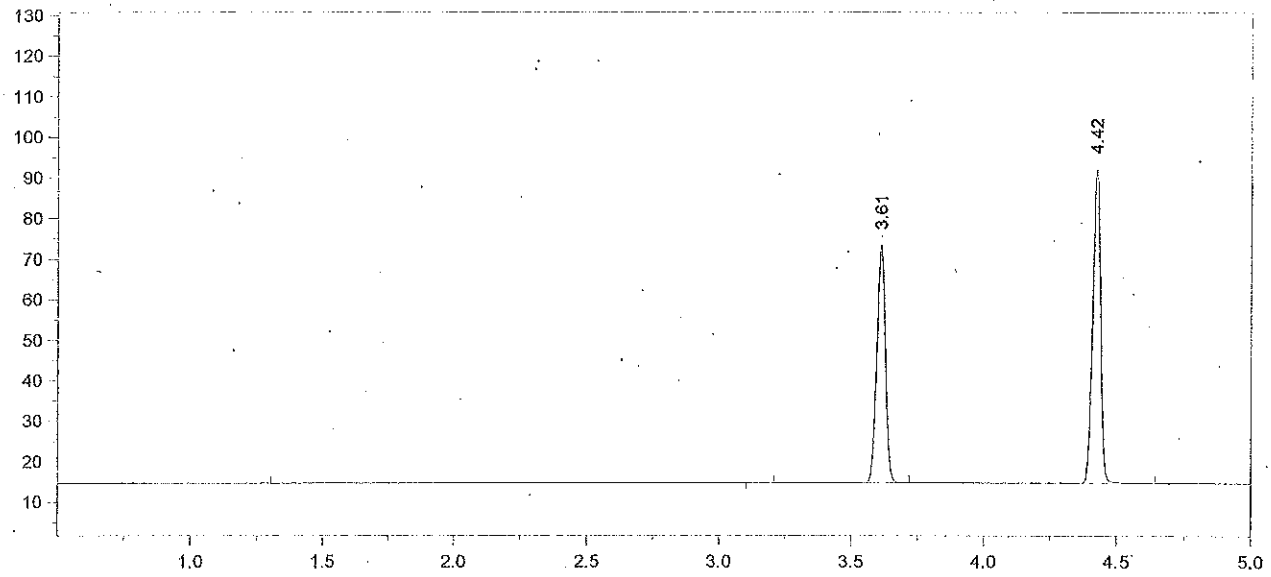
13-04-100 3 RZ

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

13-04-100 4 RLM

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

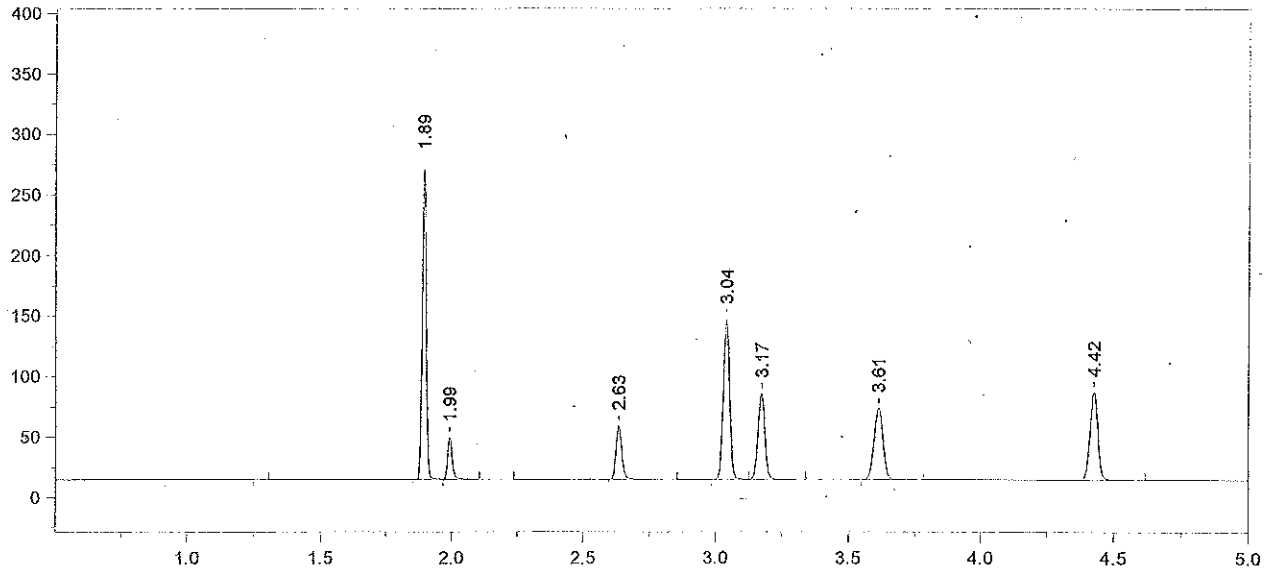


Format File Name = simsoln-JFH.met.FMT

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

13-04-100 6 RLM

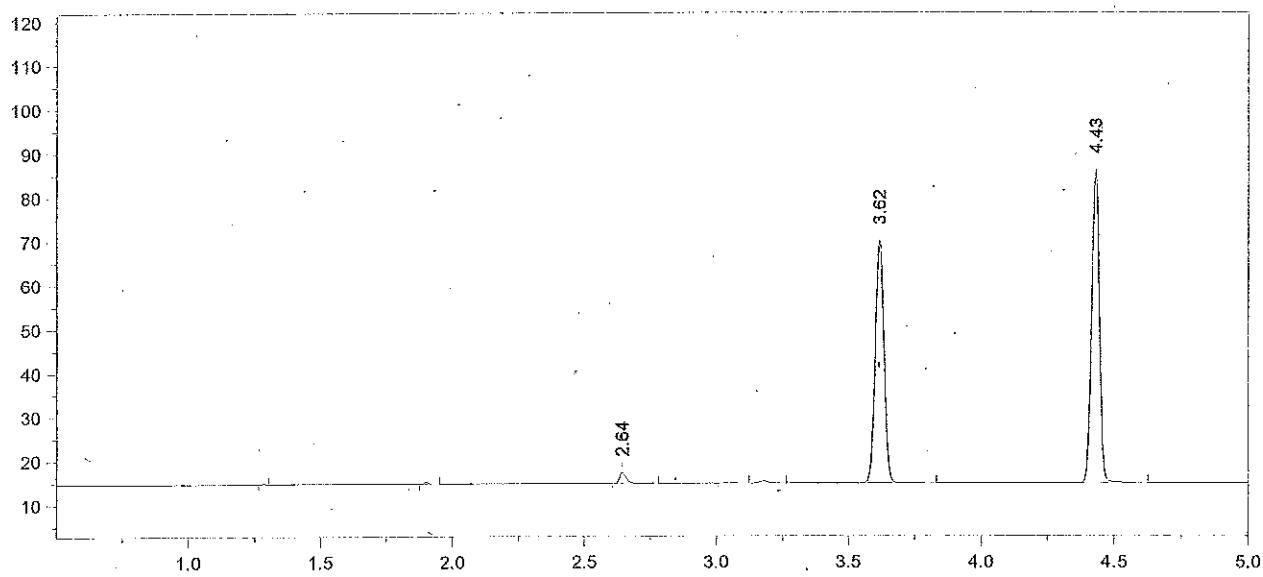


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 2:38:19 PM
Bound File Name = VFL05132013.0002.RAW
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

13-04-100 7 RZM

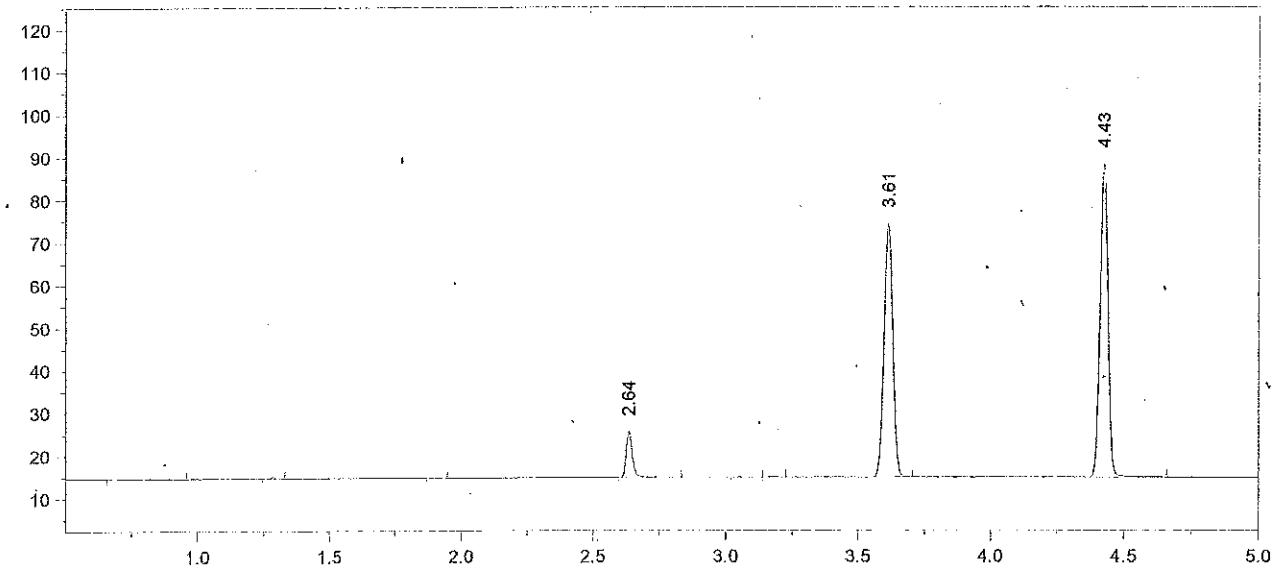


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
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

13-04-100 8 RLM

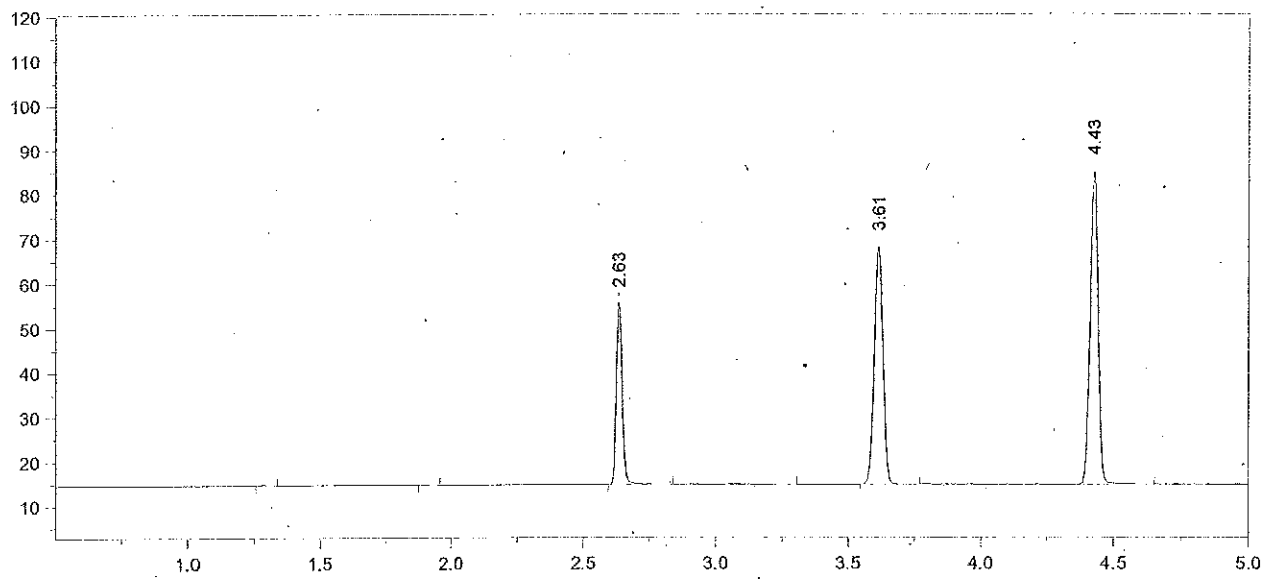


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
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

13-04-100 9 RM

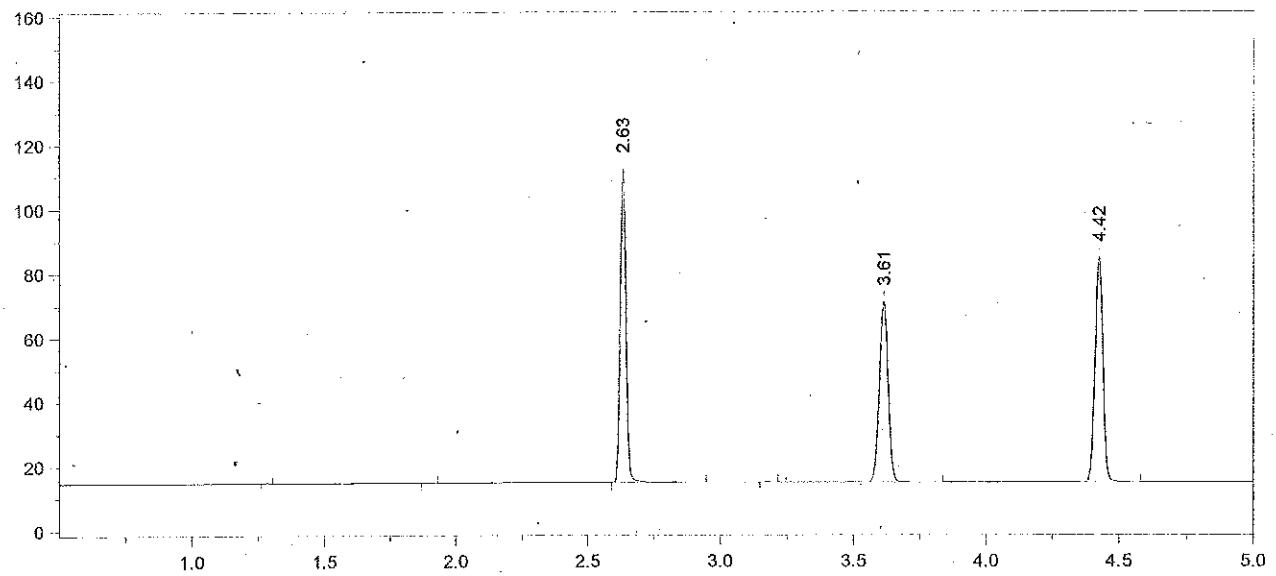


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 2:38:37 PM
Bound File Name = VFL05132013.0005.RAW
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

13-04-100 10 RJM

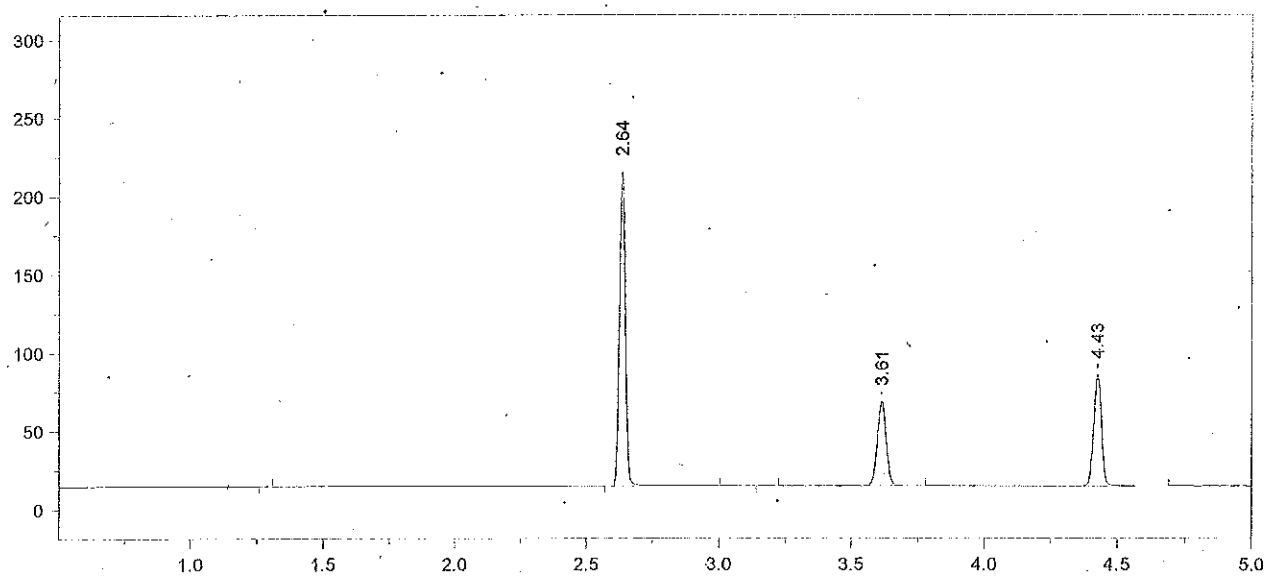


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
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

13-04-100 11 RKM

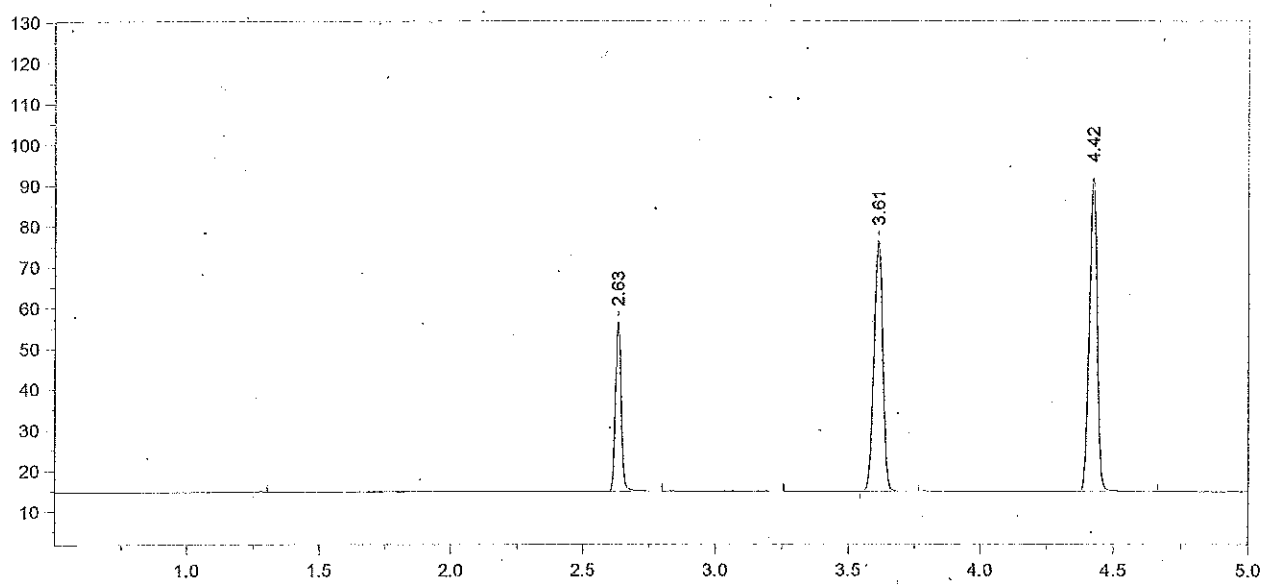


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 2:38:49 PM
Bound File Name = VFL05132013.0007.RAW
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

13-04-100 12 RM

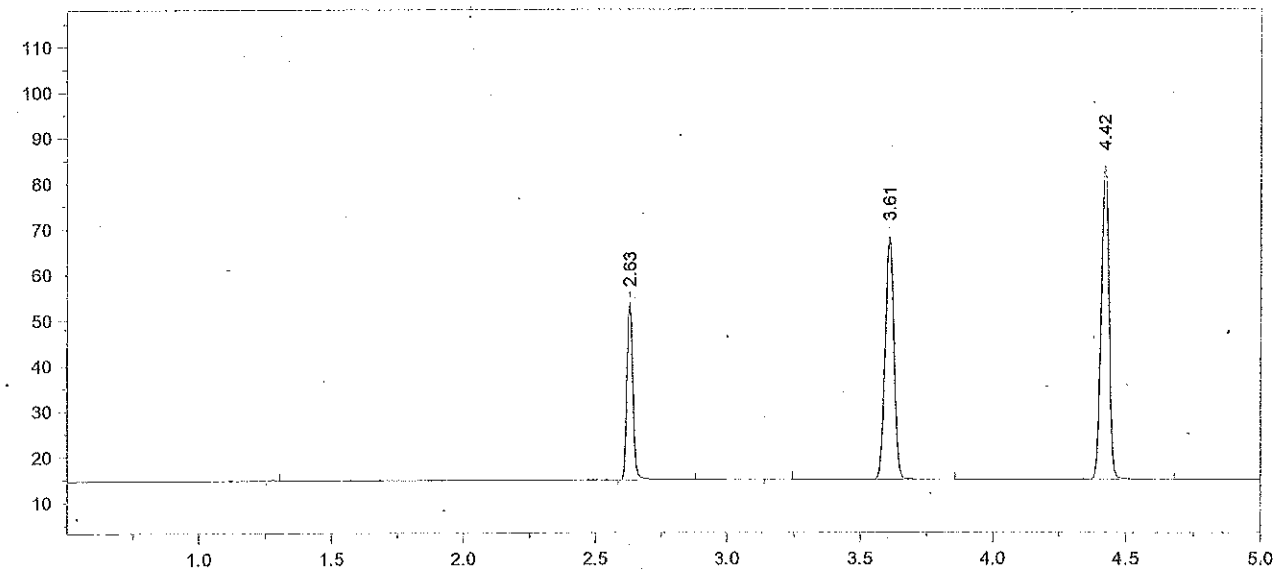


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 1:29:47 PM
Bound File Name = VFL05132013.0008.RAW
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

13-04-100 13 RLM



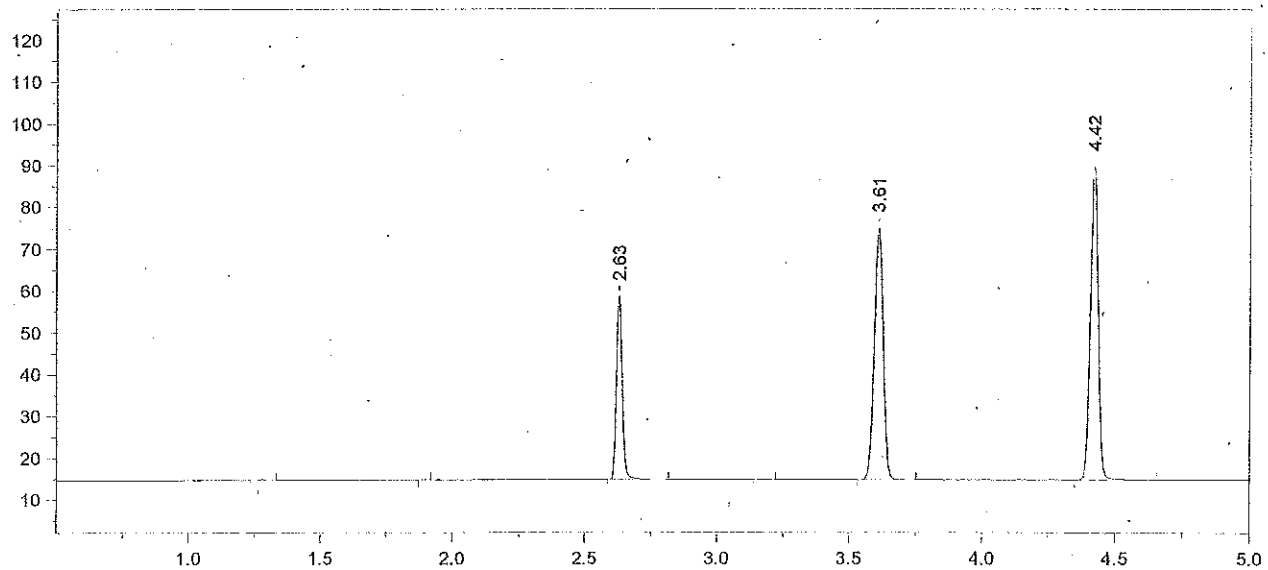
Format File Name = simsoln-JFH.met.FMT

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
RLM 5/15/13

13-04-100 14 RLM

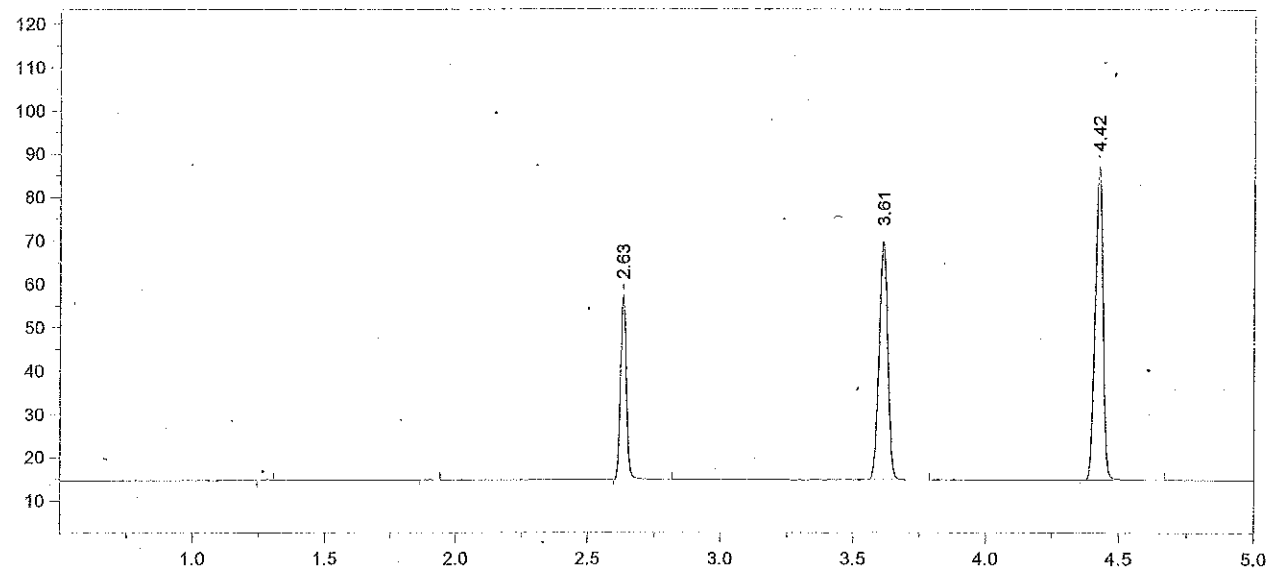


Format File Name = simsoln-JFH.met.FMT

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

13-04-100 15 RM



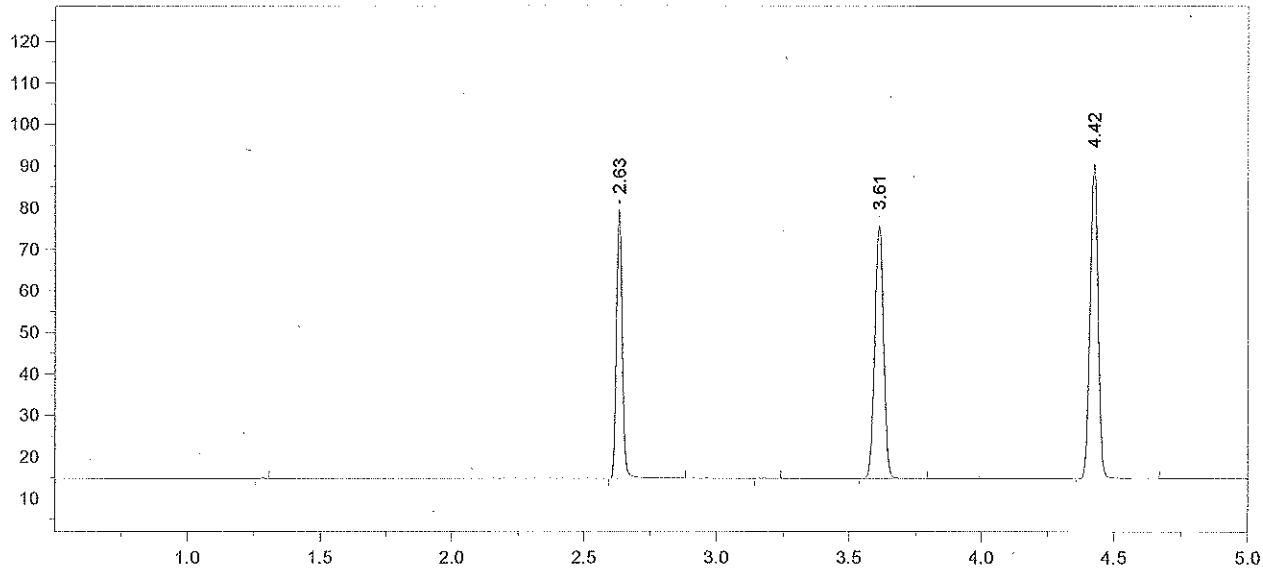
Format File Name = simsoln-JFH.met.FMT

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

13-04-100 16 RLM

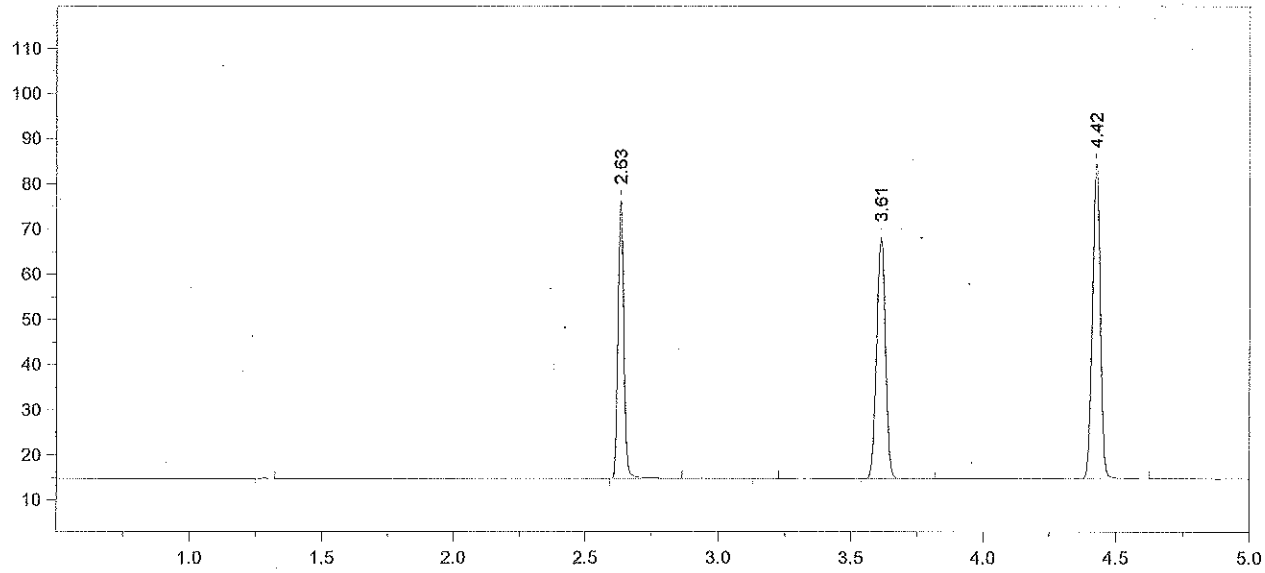


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 2:32:53 PM
Bound File Name = VFL05132013.0012.RAW
Sample Name = 0.1 ALB
Date Taken = 5/13/2013 2:32:44 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	97763	0.1217	0.0994
4	3.61	t-Butanol	140470	1.0184	0.8312
5	4.42	n-Propanol	160923	1.0000	0.8162

13-04-100 17 RLM

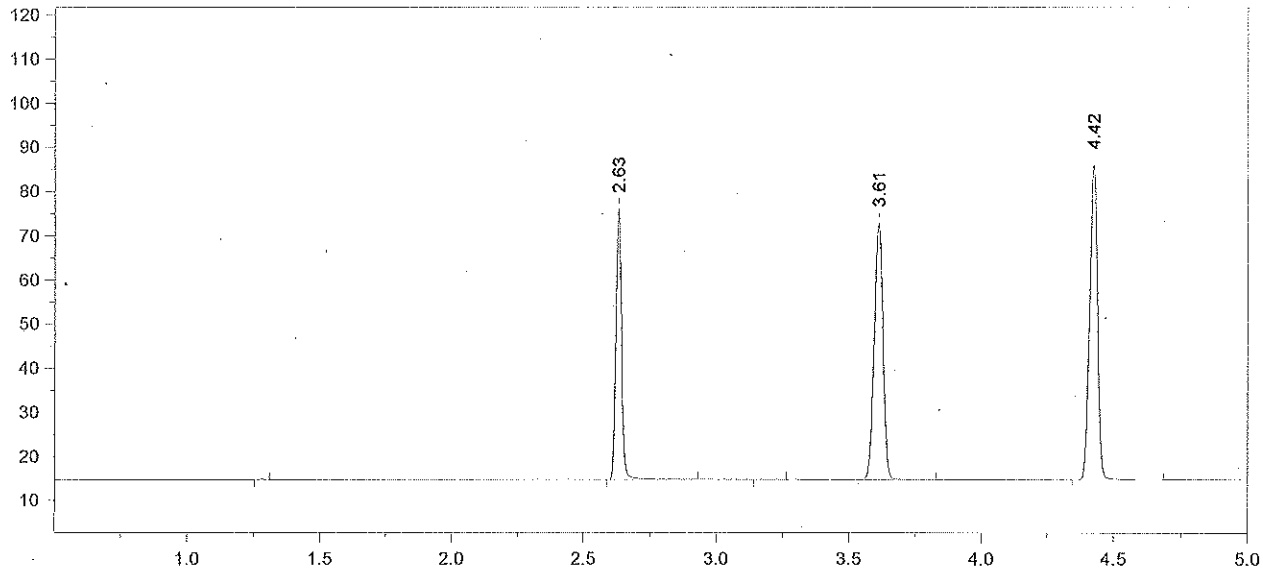


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 2:46:36 PM
Bound File Name = VFL05132013.0013.RAW
Sample Name = 0.1 ALB
Date Taken = 5/13/2013 2:46:27 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	93116	0.1262	0.1030
4	3.61	t-Butanol	123308	0.9730	0.7942
5	4.42	n-Propanol	147850	1.0000	0.8162

13-04-100 18 LLM

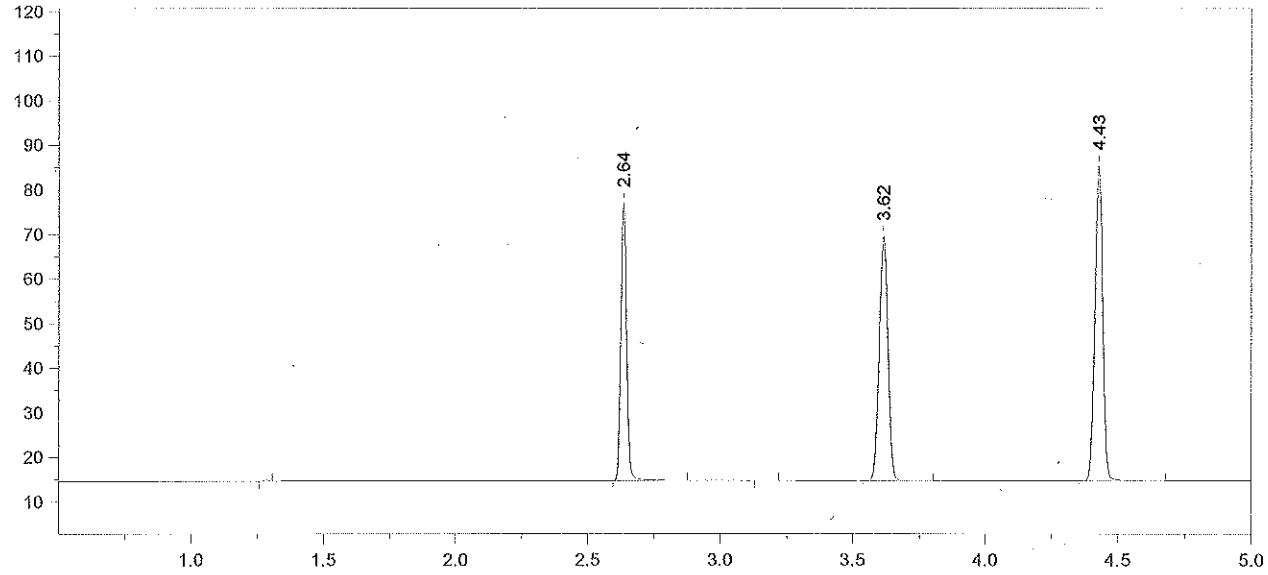


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 3:04:16 PM
Bound File Name = VFL05132013.0014.RAW
Sample Name = 0.1 ALB
Date Taken = 5/13/2013 3:04:09 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	93070	0.1232	0.1006
4	3.61	t-Butanol	133983	1.0331	0.8432
5	4.42	n-Propanol	151315	1.0000	0.8162

13-04-100 19 LLM

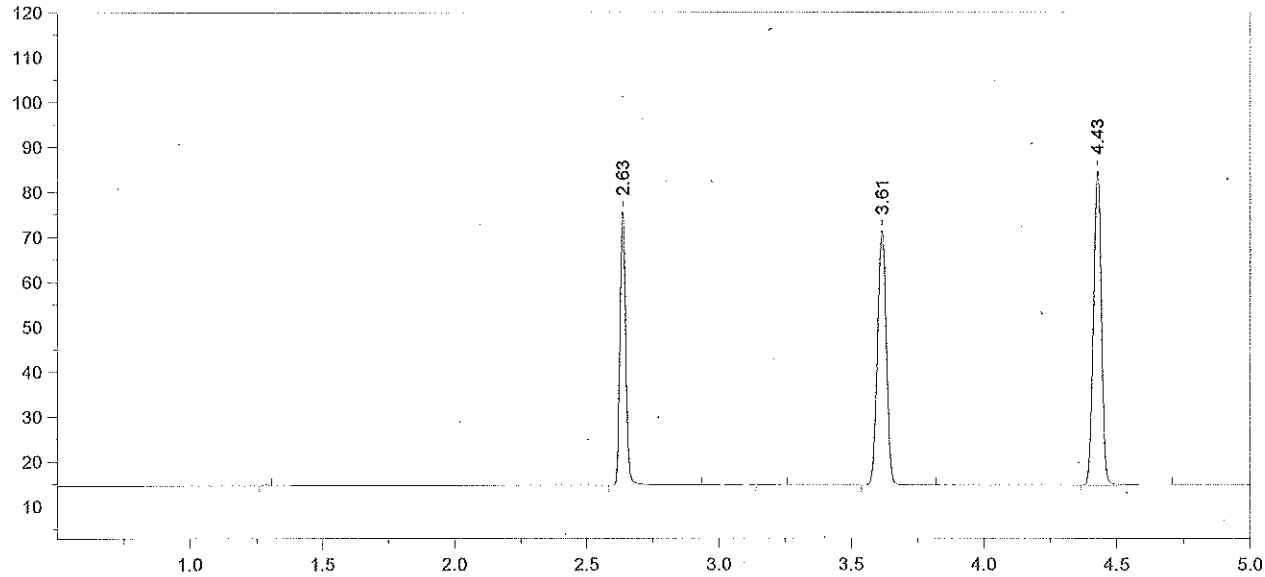


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 3:18:01 PM
Bound File Name = VFL05132013.0015.RAW
Sample Name = 0.1 ALB
Date Taken = 5/13/2013 3:17:54 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	94170	0.1258	0.1027
4	3.62	t-Butanol	126261	0.9825	0.8019
5	4.43	n-Propanol	149929	1.0000	0.8162

13-04-100 20 RJM

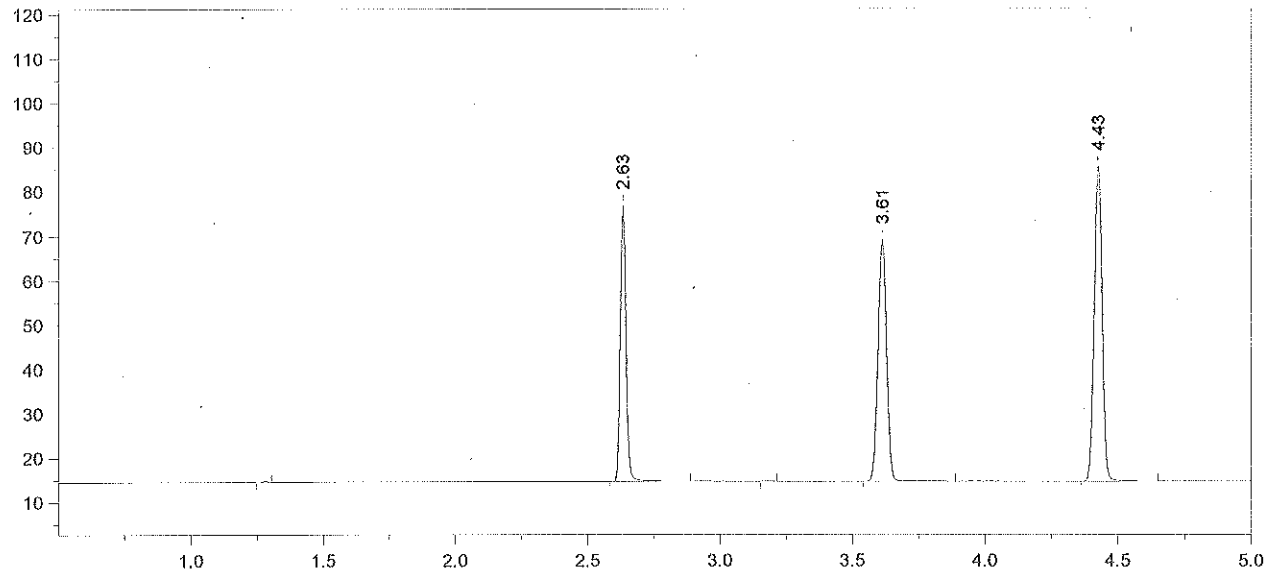


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 3:35:43 PM
Bound File Name = VFL05132013.0016.RAW
Sample Name = 0.1 ALB
Date Taken = 5/13/2013 3:35:33 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	92952	0.1251	0.1021
4	3.61	t-Butanol	130674	1.0245	0.8362
5	4.43	n-Propanol	148818	1.0000	0.8162

13-04-100 21 RLM

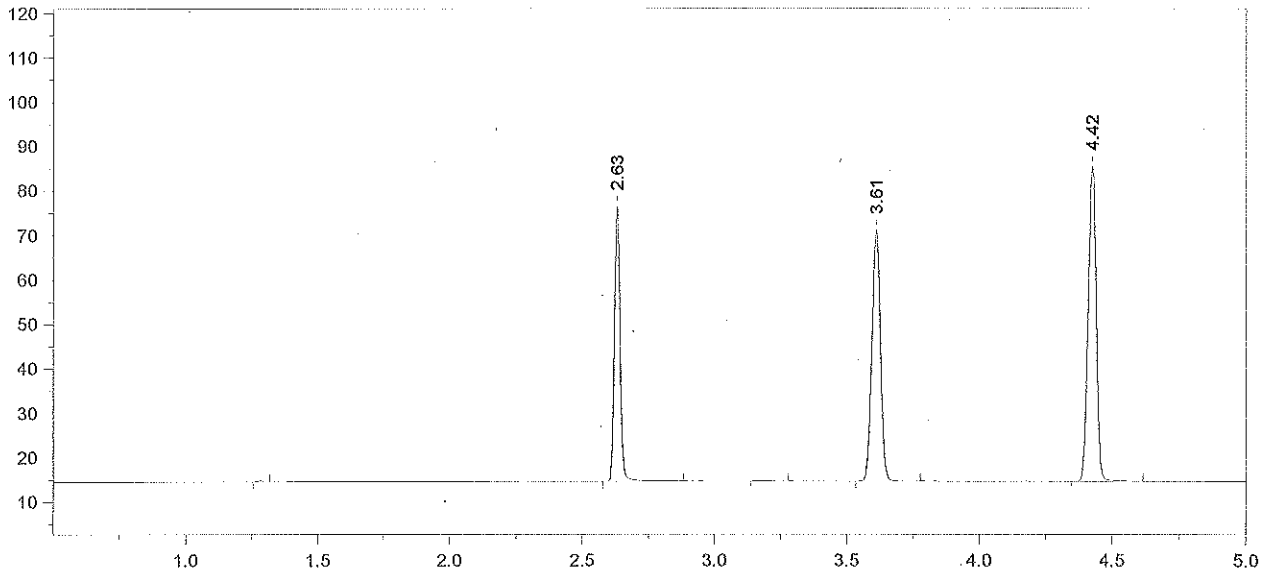


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 3:49:20 PM
Bound File Name = VFL05132013.0017.RAW
Sample Name = 0.1 ALB
Date Taken = 5/13/2013 3:49:16 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
2	2.63	Ethanol	94090	0.1251	0.1021
4	3.61	t-Butanol	125524	0.9714	0.7929
5	4.43	n-Propanol	150754	1.0000	0.8162

13-04-100 22 RM

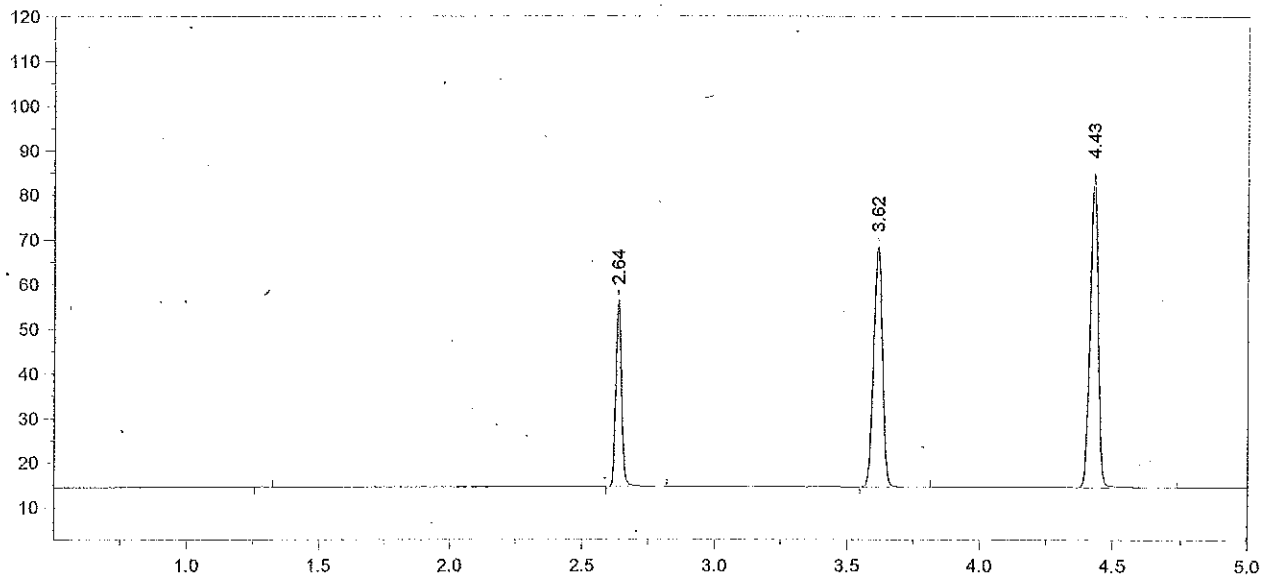


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 4:05:24 PM
Bound File Name = VFL05132013.0018.RAW
Sample Name = 0.1 ALB
Date Taken = 5/13/2013 4:05:19 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	93780	0.1253	0.1023
4	3.61	t-Butanol	130319	1.0141	0.8277
5	4.42	n-Propanol	149928	1.0000	0.8162

13-04-100 23 RLM

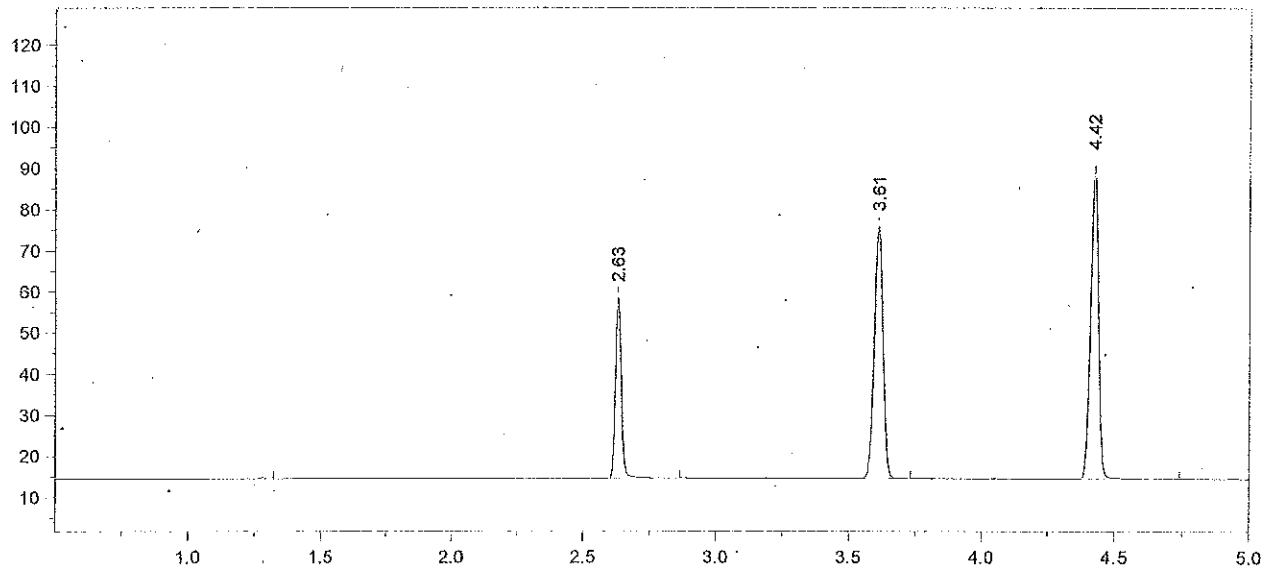


Format File Name = simsoln-JFH.met.FMT

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

13-04-100 24 RLM



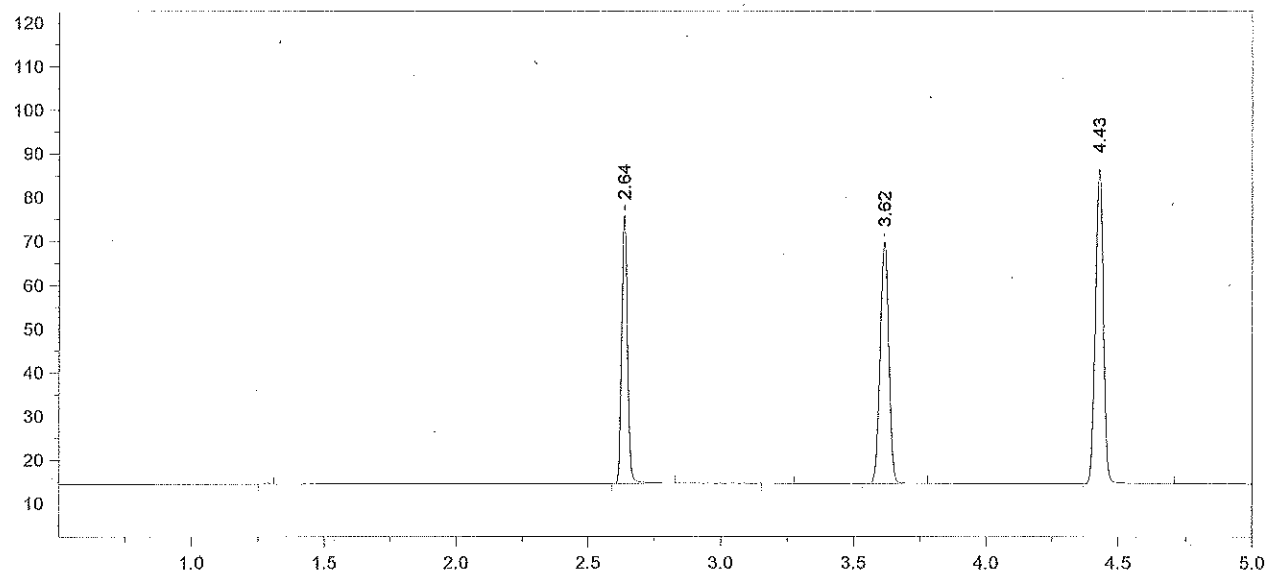
Format File Name = simsoln-JFH.met.FMT

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
RLM 5/15/13

13-04-100 25 RLM

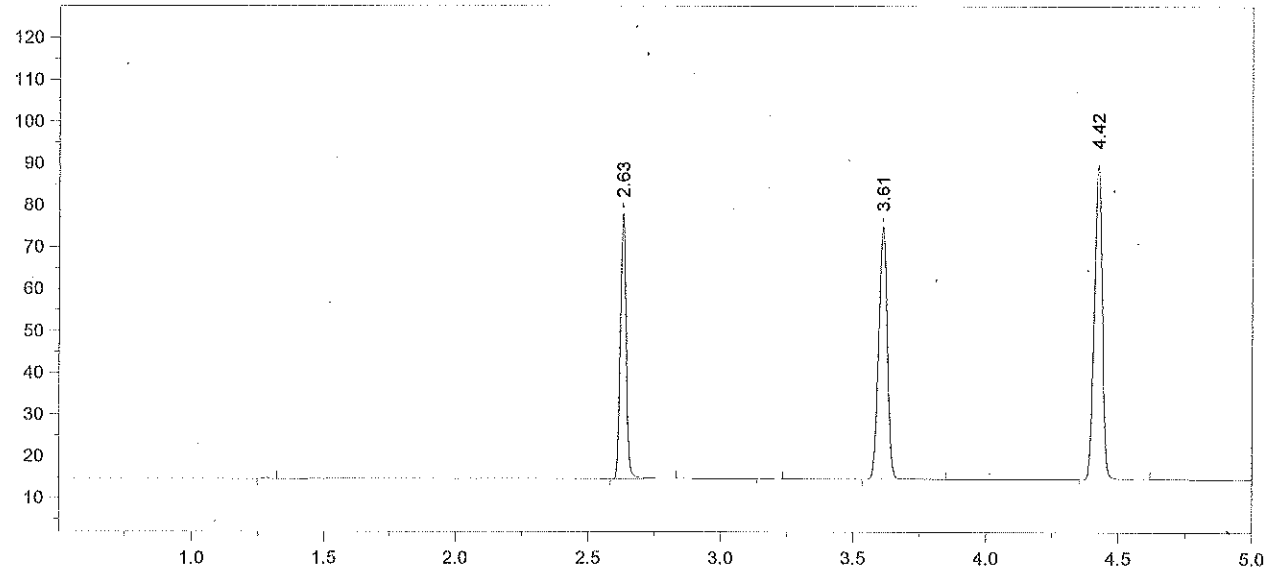


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 4:51:07 PM
Bound File Name = VFL05132013.0021.RAW
Sample Name = 0.1 RLM
Date Taken = 5/13/2013 4:51:04 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	93104	0.1220	0.0996
4	3.62	t-Butanol	127410	0.9722	0.7935
5	4.43	n-Propanol	152906	1.0000	0.8162

13-04-100 26 RLM

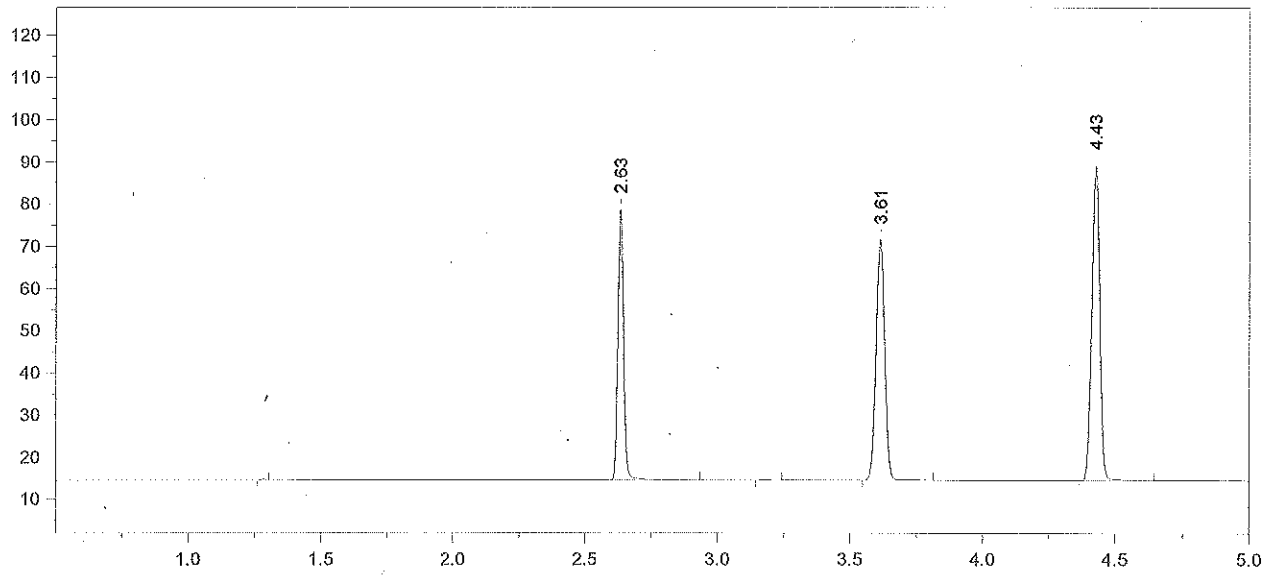


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 5:06:39 PM
Bound File Name = VFL05132013.0022.RAW
Sample Name = 0.1 RLM
Date Taken = 5/13/2013 5:06:30 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
2	2.63	Ethanol	95602	0.1203	0.0982
4	3.61	t-Butanol	138908	1.0180	0.8309
5	4.42	n-Propanol	159201	1.0000	0.8162

13-04-100 27 RLM

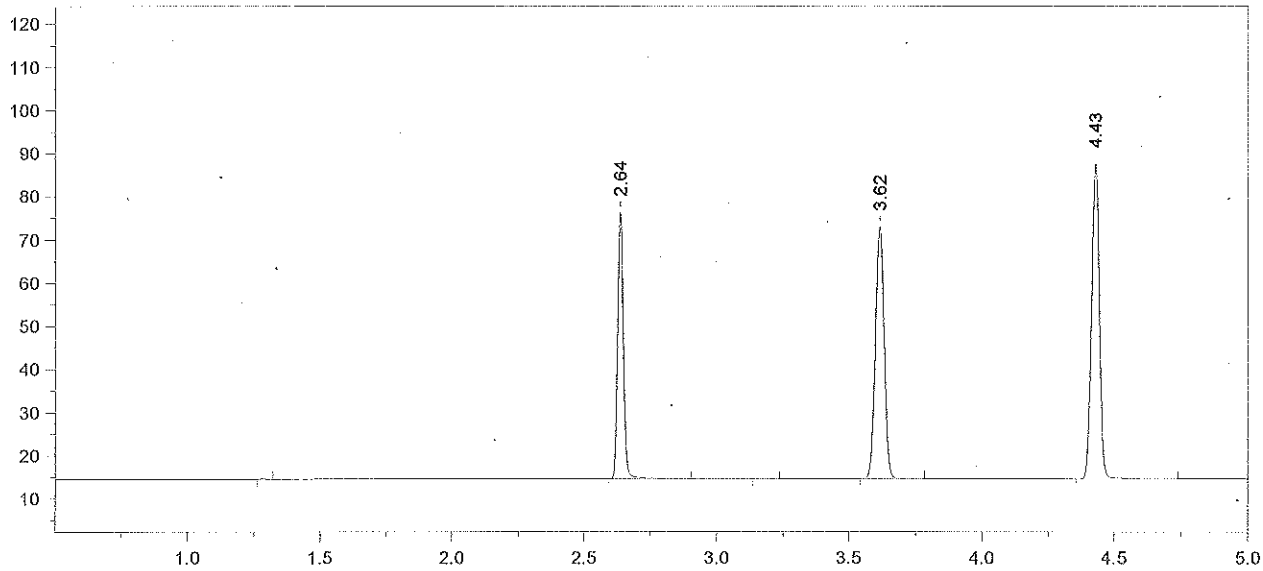


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 5:22:08 PM
Bound File Name = VFL05132013.0023.RAW
Sample Name = 0.1 RLM
Date Taken = 5/13/2013 5:21:58 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	97381	0.1234	0.1007
4	3.61	t-Butanol	131434	0.9695	0.7913
5	4.43	n-Propanol	158176	1.0000	0.8162

13-04-100 28 RLM

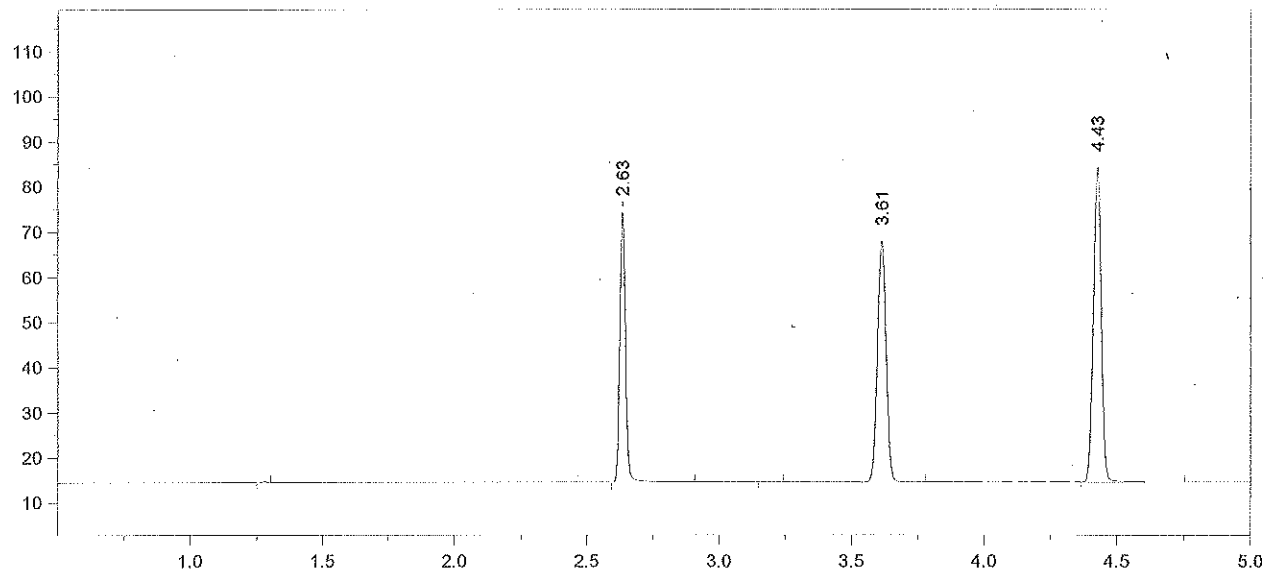


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013
Today's Time = 5:38:08 PM
Bound File Name = VFL05132013.0024.RAW
Sample Name = 0.1 RLM
Date Taken = 5/13/2013 5:38:02 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	93273	0.1208	0.0986
4	3.62	t-Butanol	134899	1.0177	0.8306
5	4.43	n-Propanol	154657	1.0000	0.8162

13-04-100 29 RLM

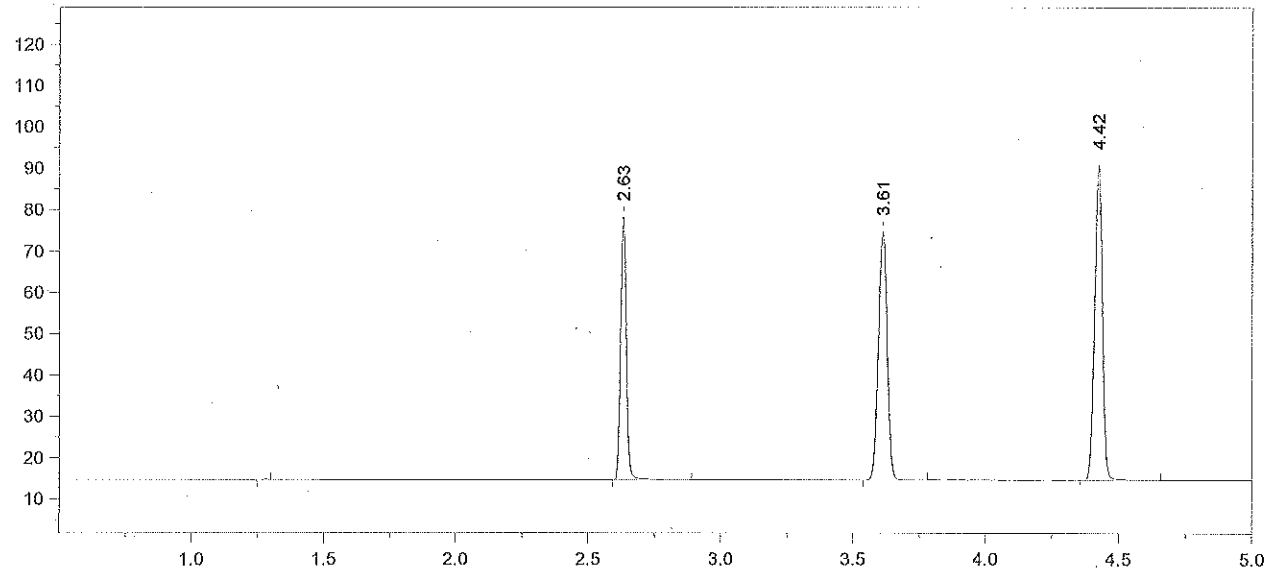


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 5:52:15 PM
Bound File Name = VFL05132013.0025.RAW
Sample Name = 0.1 RLM
Date Taken = 5/13/2013 5:52:10 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	90459	0.1228	0.1002
4	3.61	t-Butanol	122773	0.9706	0.7922
5	4.43	n-Propanol	147574	1.0000	0.8162

13-04-100 30 RLM

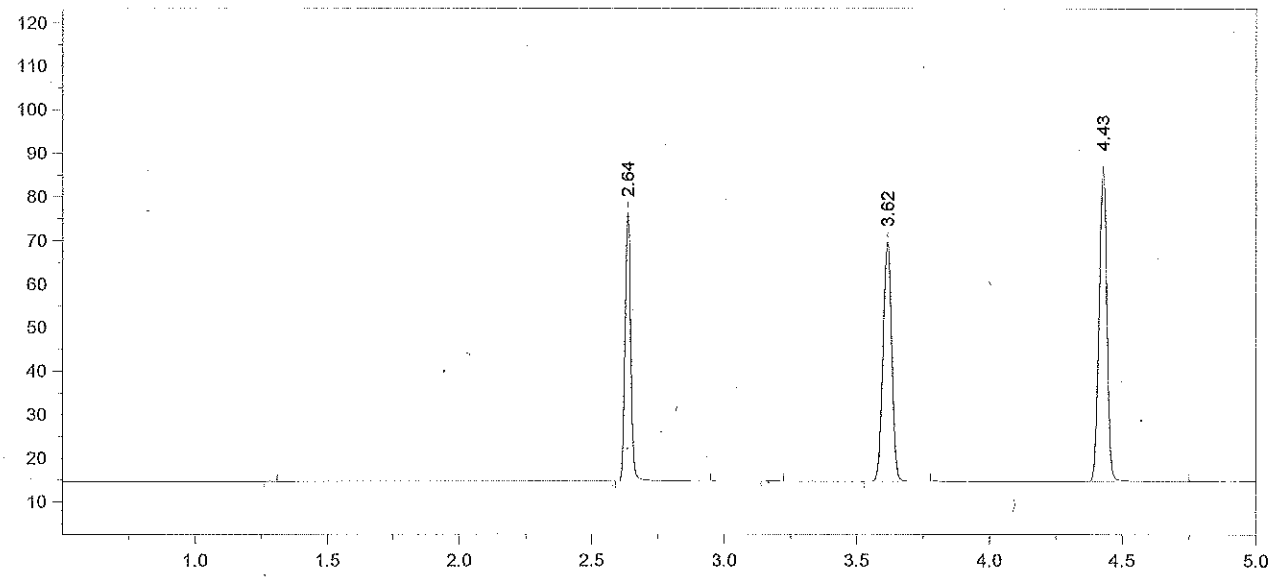


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 6:07:50 PM
Bound File Name = VFL05132013.0026.RAW
Sample Name = 0.1 RLM
Date Taken = 5/13/2013 6:07:44 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	96621	0.1207	0.0985
3	3.61	t-Butanol	138977	1.0111	0.8252
4	4.42	n-Propanol	160372	1.0000	0.8162

13-04-100 31 RLM

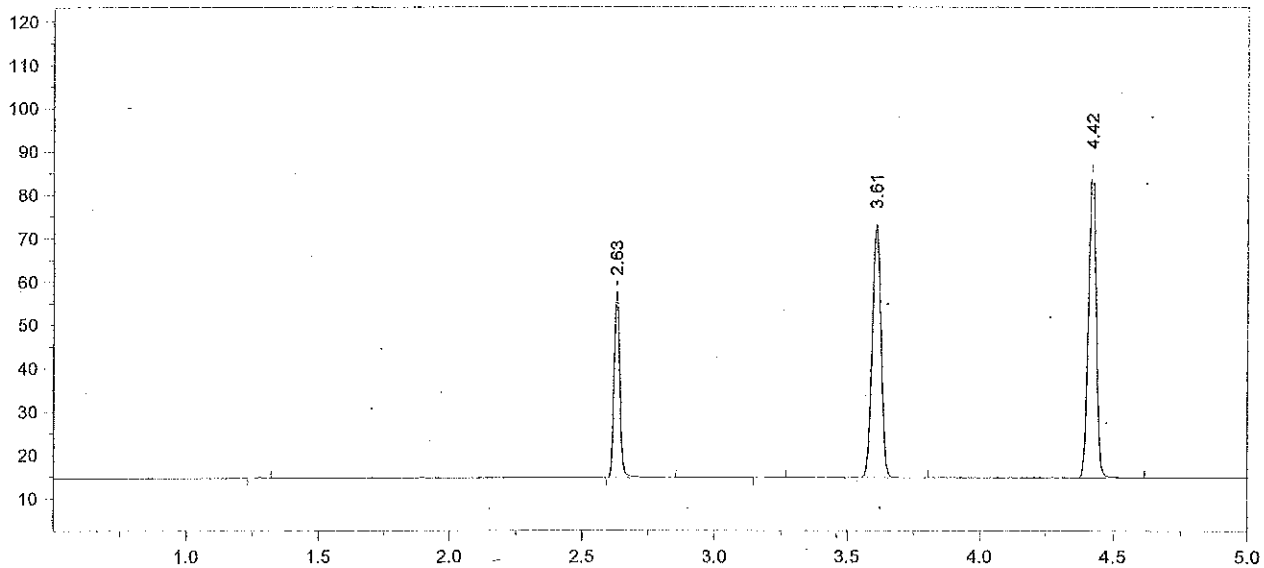


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/13/2013 Today's Time = 6:22:50 PM
Bound File Name = VFL05132013.0027.RAW
Sample Name = 0.1 RLM
Date Taken = 5/13/2013 6:22:39 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	94140	0.1230	0.1004
4	3.62	t-Butanol	127057	0.9666	0.7890
5	4.43	n-Propanol	153354	1.0000	0.8162

13-04-100 32 RLM

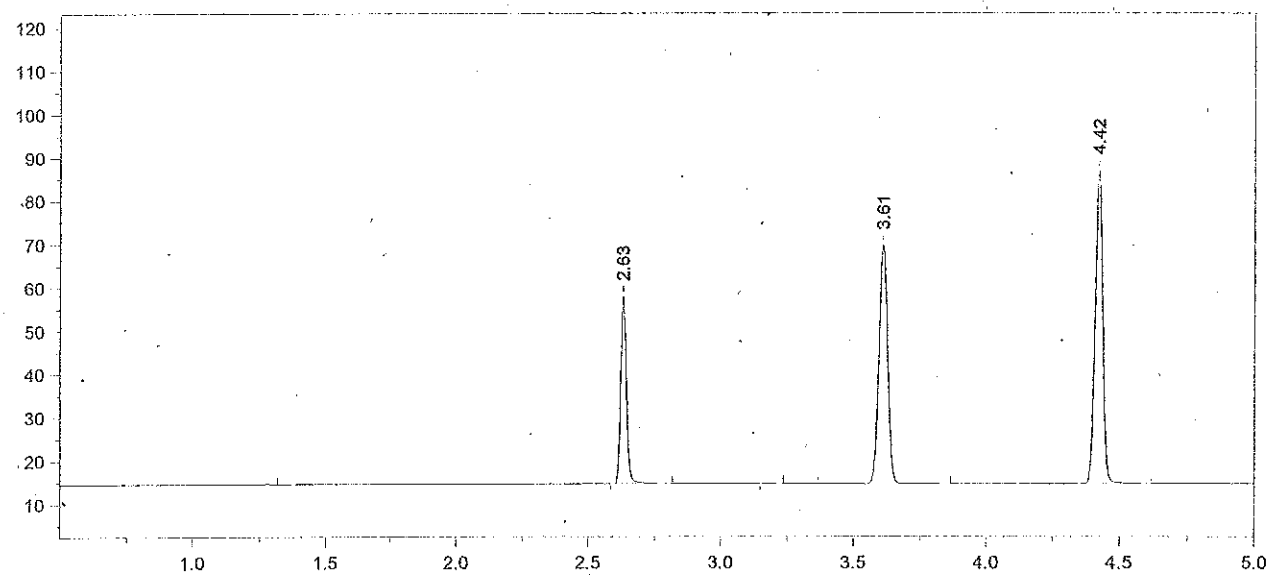


Format File Name = simsoln-JFH.met.FMT

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

13-04-100 33 RLM



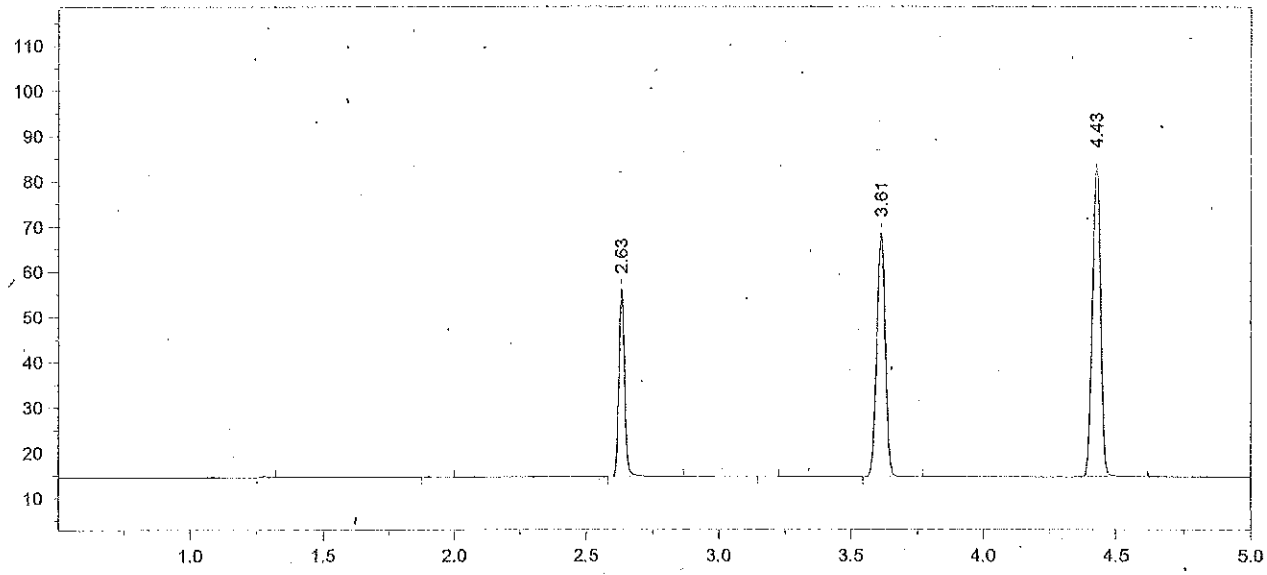
Format File Name = simsoln-JFH.met.FMT

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
RKM 5/15/13

13-04-100 34 RKM



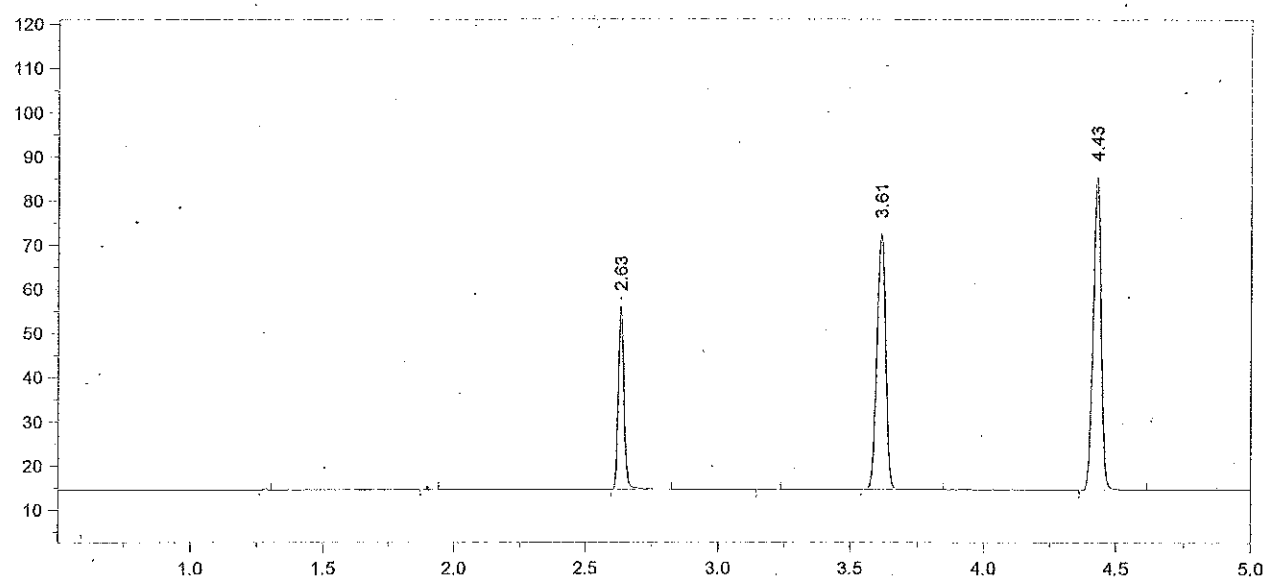
Format File Name = simsoln-JFH.met.FMT

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

13-04-100 35 RLM

Chrom Perfect Chromatogram Report



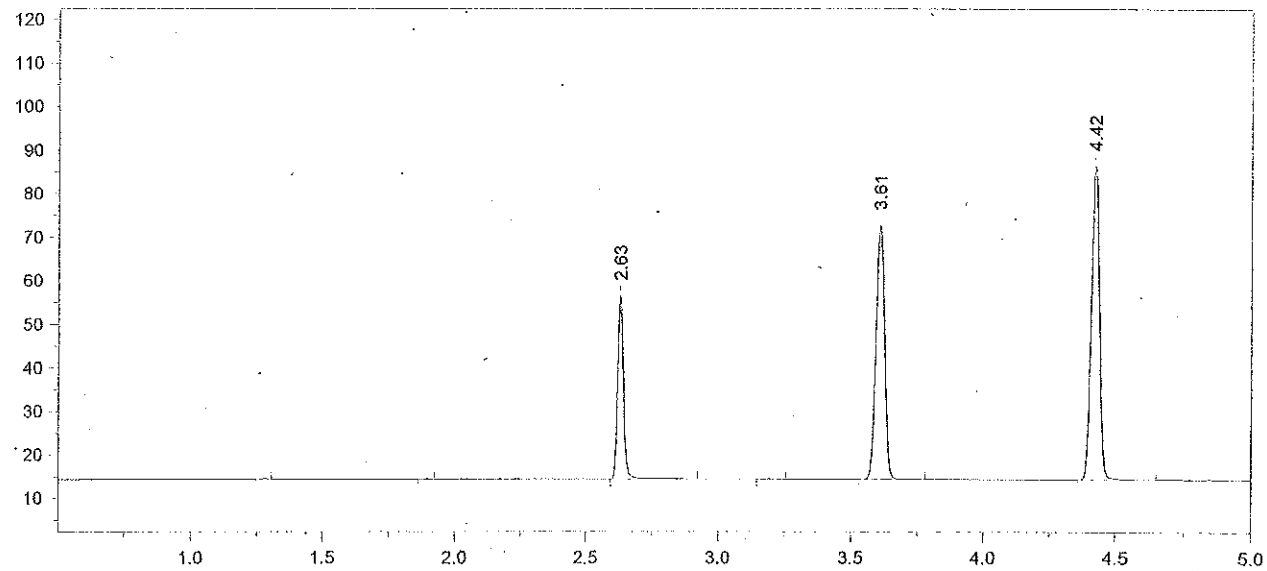
Format File Name = simsoln-JFH.met.FMT

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
RLM 5/15/13

13-04-100 36 RLM

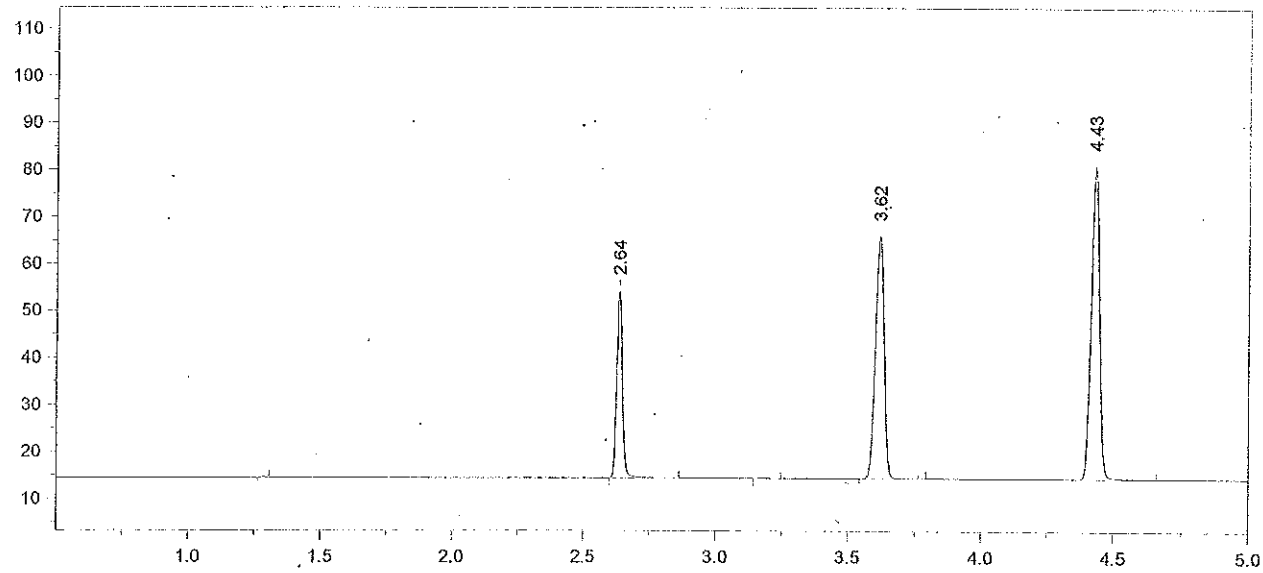


Format File Name = simsoln-JFH.met.FMT

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

13-04-100 37 KM



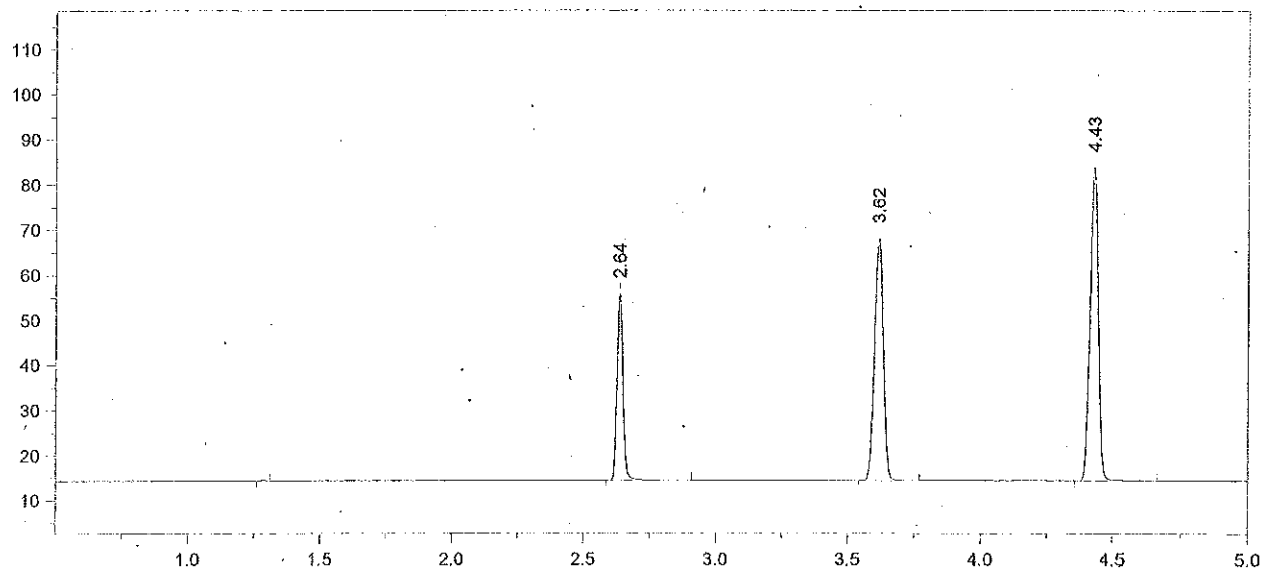
Format File Name = simsoln-JFH.met.FMT

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
RLM 5/15/13

13-04-100 38 RLM

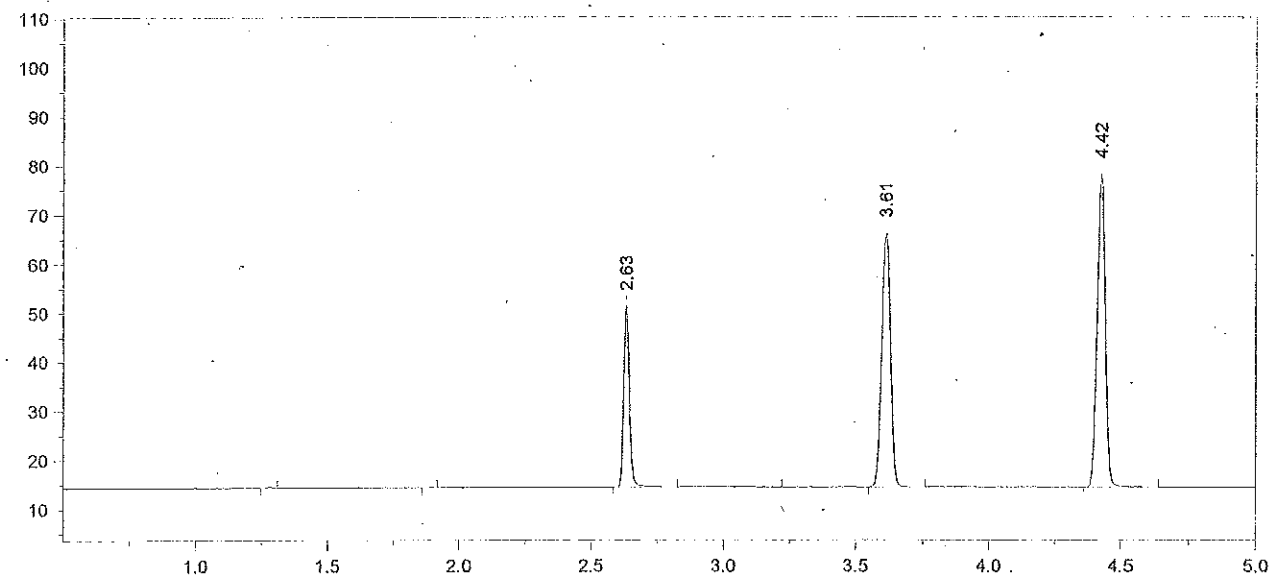


Format File Name = simsoln-JFH.met.FMT

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

13-04-100 39 RKM



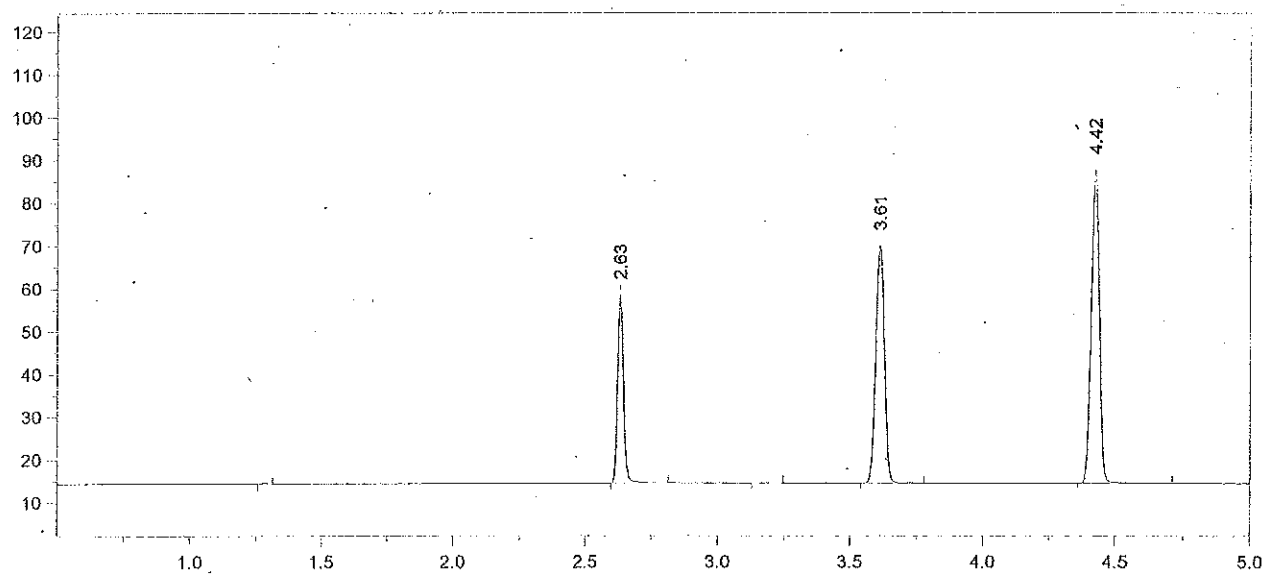
Format File Name = simsoln-JFH.met.FMT

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 *	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

13-04-100 40 RLM

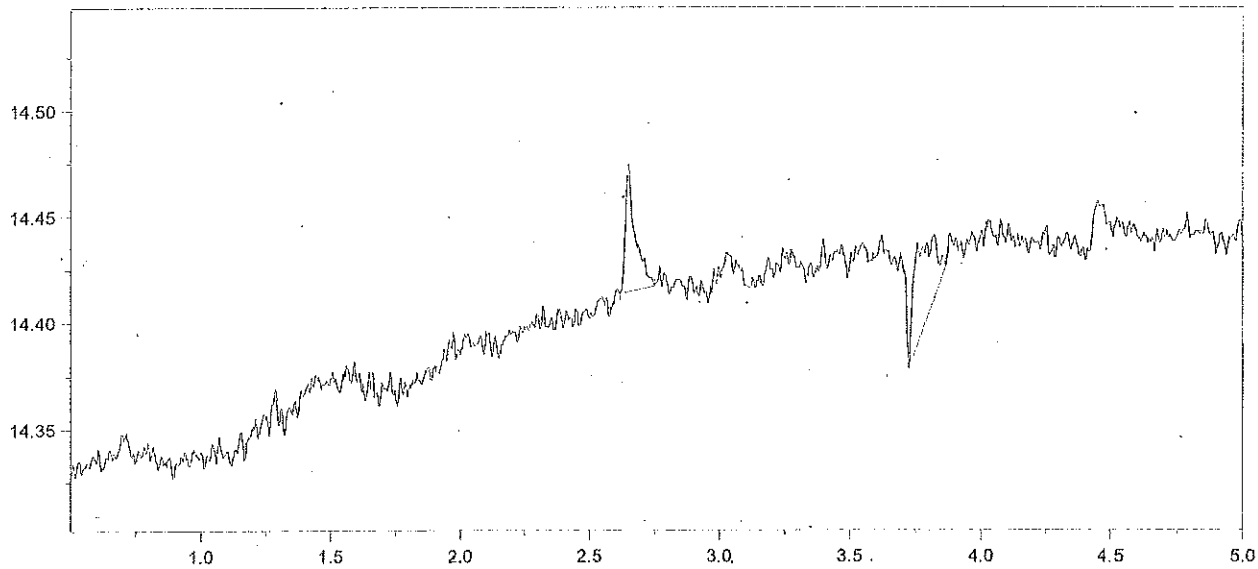


Format File Name = simsoln-JFH.met.FMT

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

13-04-100 41 RLM



Format File Name = simsoln-JFH.met.FMT

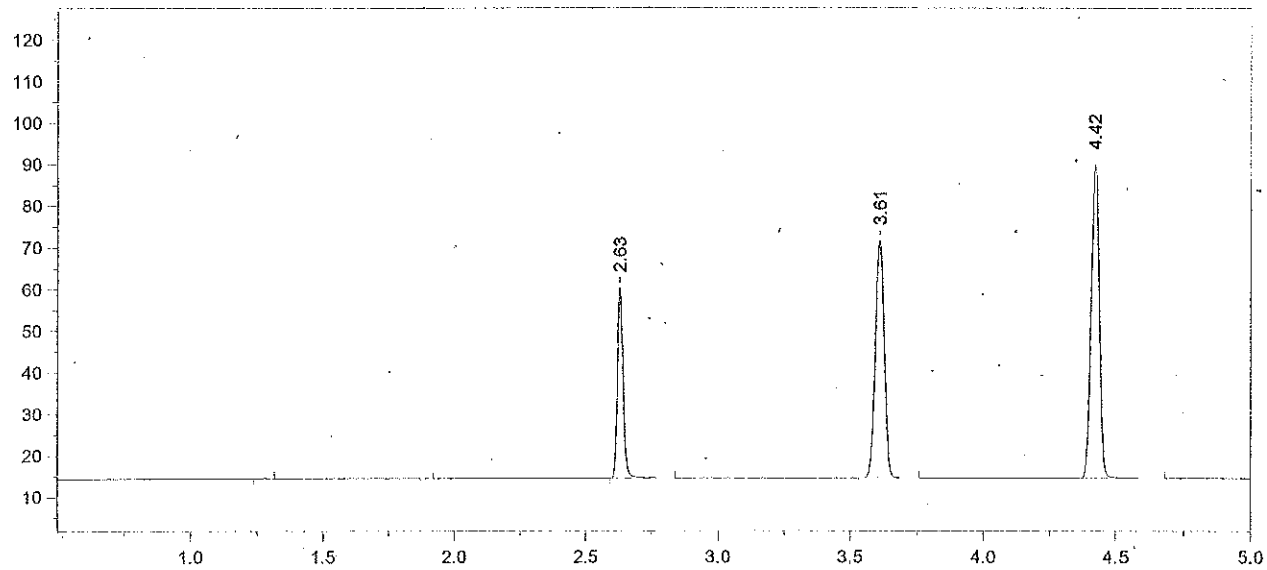
Today's Date = 5/14/2013
Today's Time = 8:25:54 AM
Bound File Name = VFL05132013.0058.RAW
Sample Name = CCS
Date Taken = 5/14/2013 8:25:49 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL
Calibration Version = 7

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

13-04-100 42 RLM



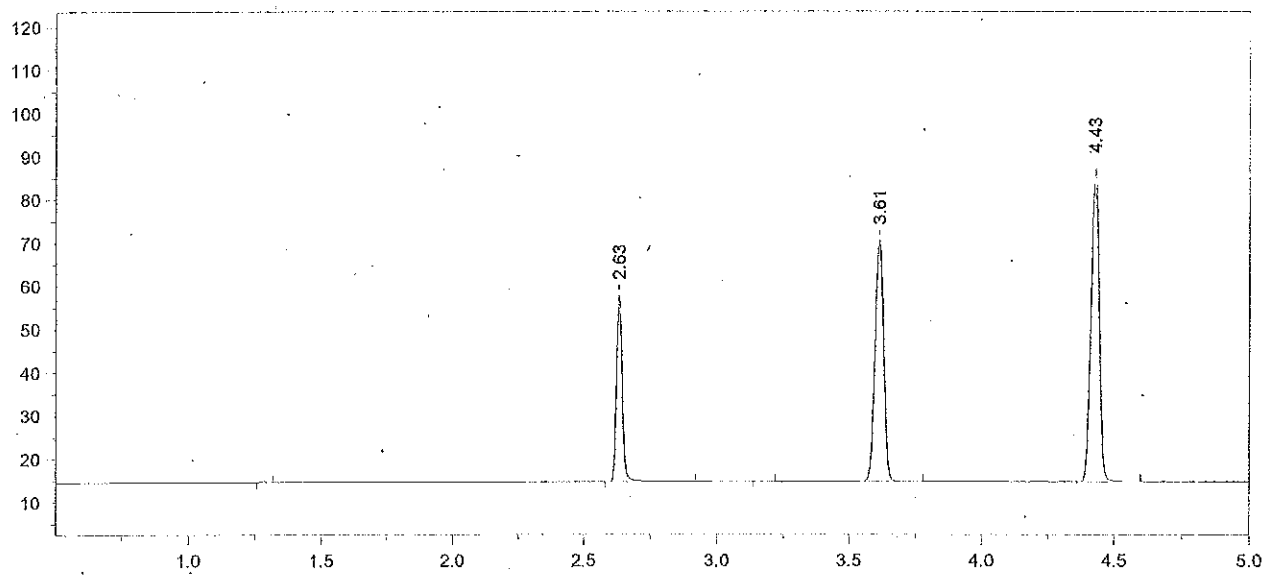
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 8:54:45 AM
Bound File Name = VFL05132013.0059.RAW (val 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

13-04-100 43 RLM

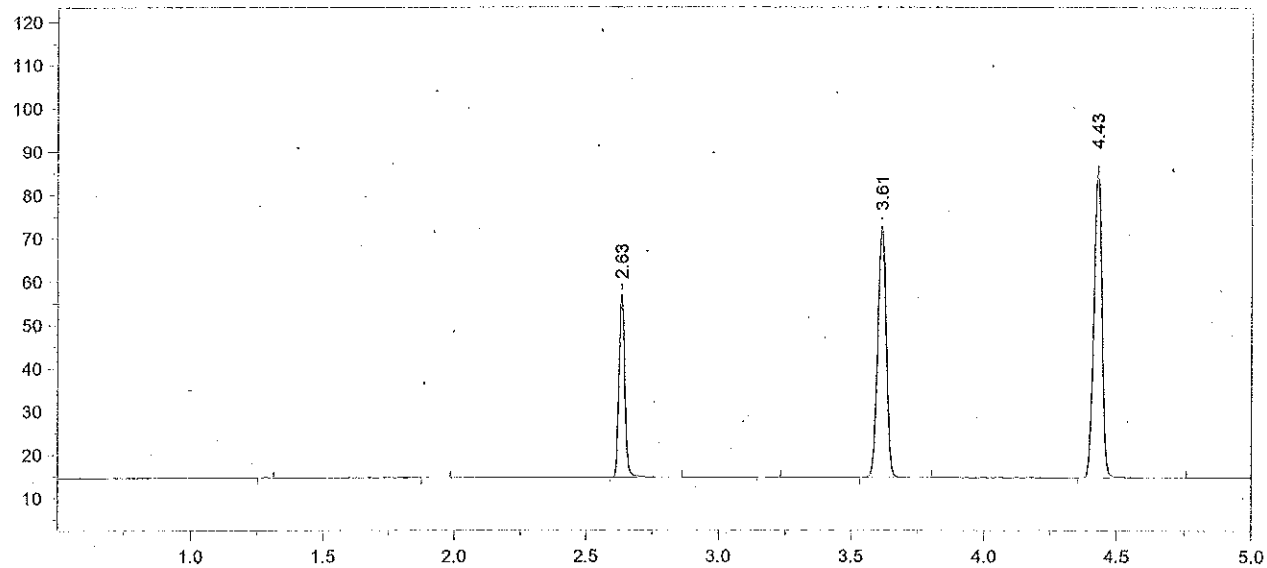


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 10:59:34 AM
Bound File Name = VFL05132013.0067.RAW (val lab)
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

13-04-100 44 RLM



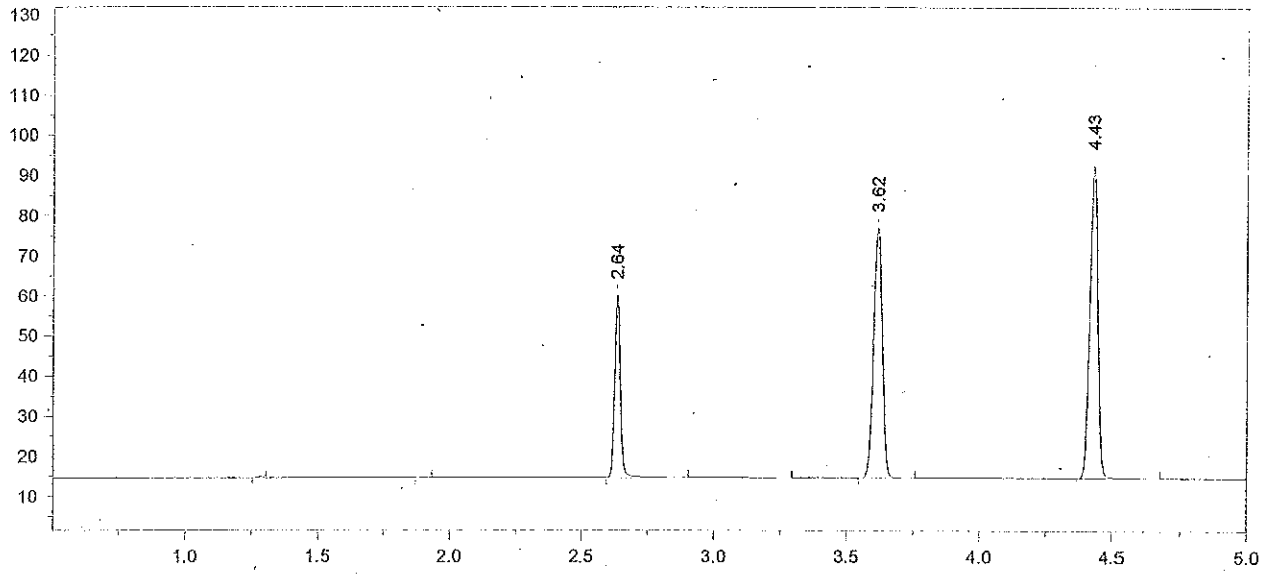
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 11:17:46 AM
Bound File Name = VFL05132013.0068.RAW (ical 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

13-04-100 45 RLM

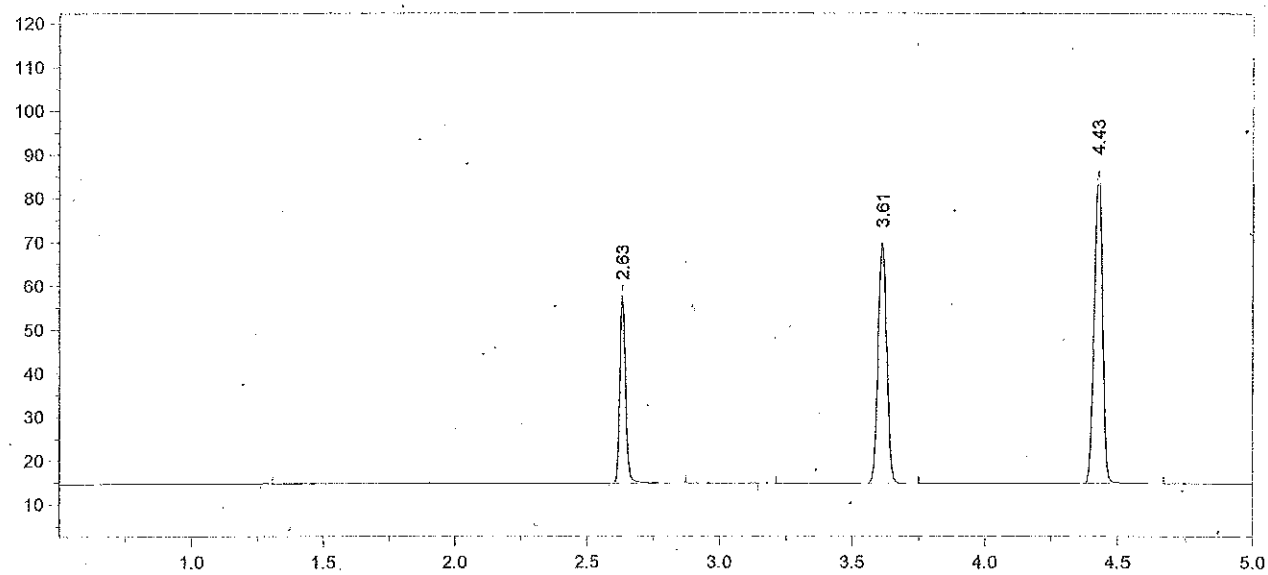


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 1:20:07 PM
Bound File Name = VFL05132013.0076.RAW (nal 75)
Sample Name = CCS RKM 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

13-04-100 46 RKM



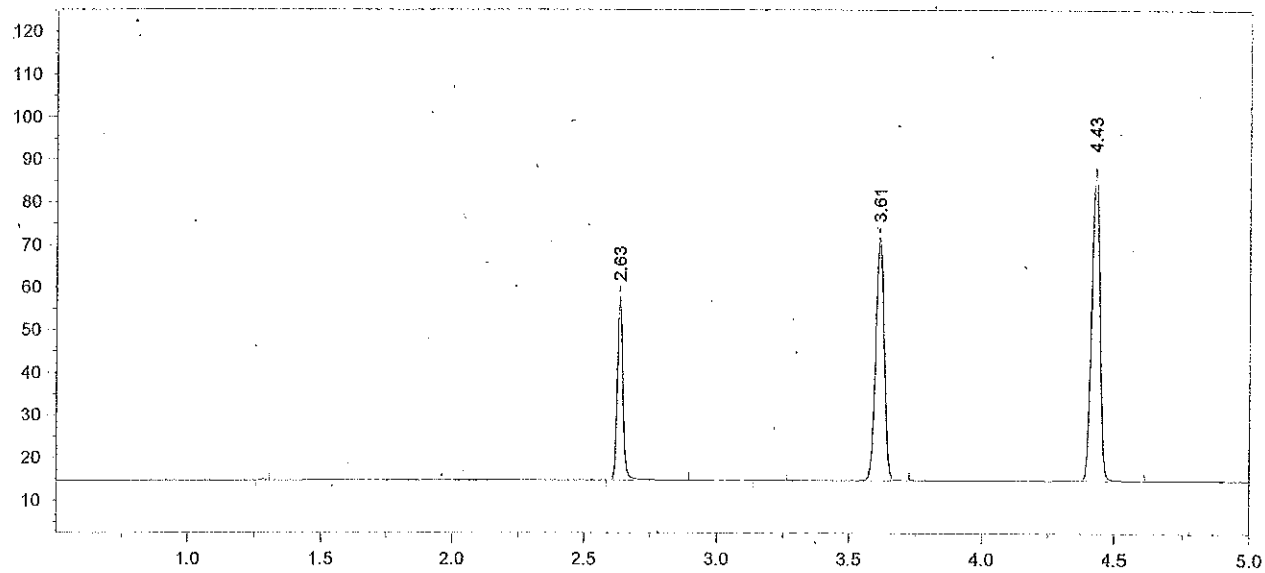
Format File Name = simsoln-JFH.met.FMT

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

13-04-100 47 RLM

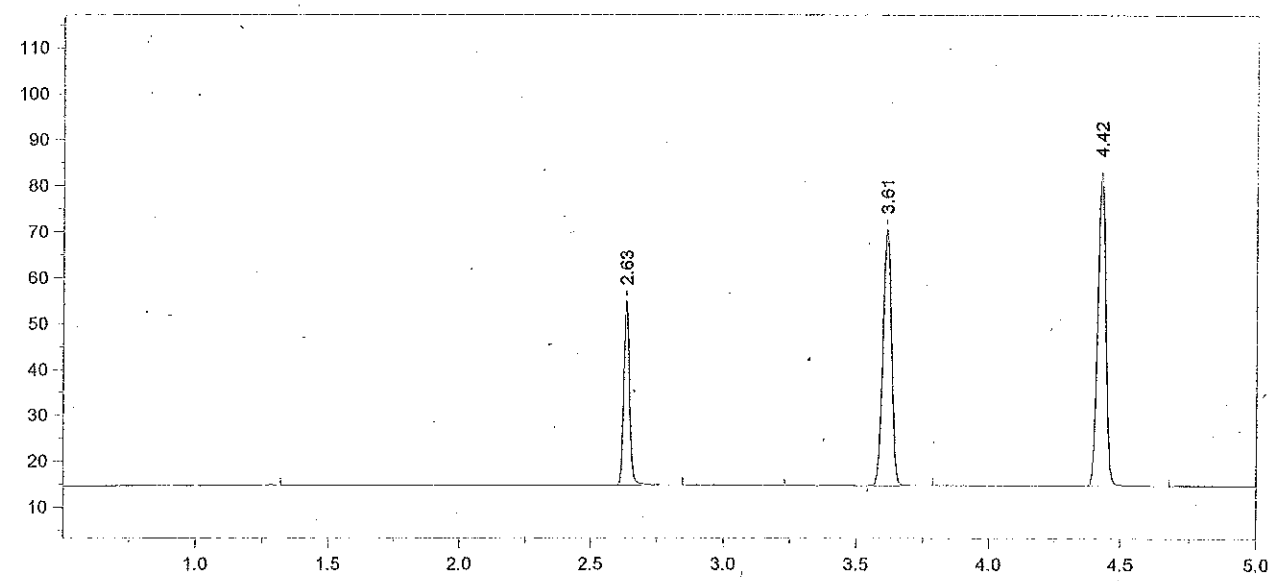


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 3:40:05 PM
Bound File Name = VFL05132013.0085.RAW (ma184)
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

13-04-100 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
RKM 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
RKM 5/15/13

13-04-100 49 RKM

Headspace Alcohol Analysis Standards Coversheet

5/20/2013

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

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	

13-04-100 50 RLM

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

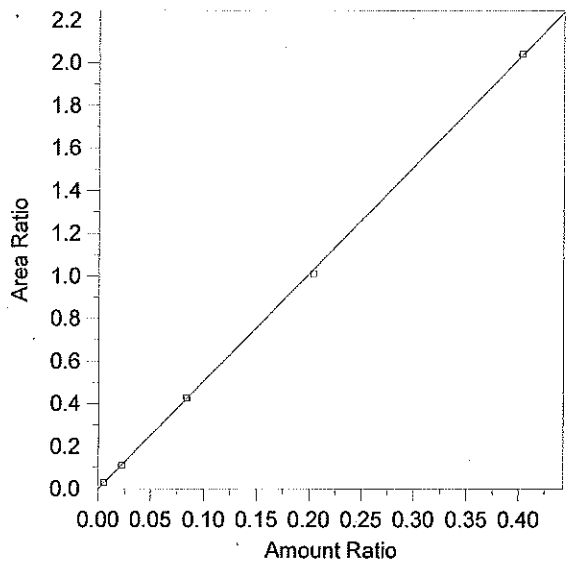
Creator:
Description:
Reason for change:

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

13-04-100 51

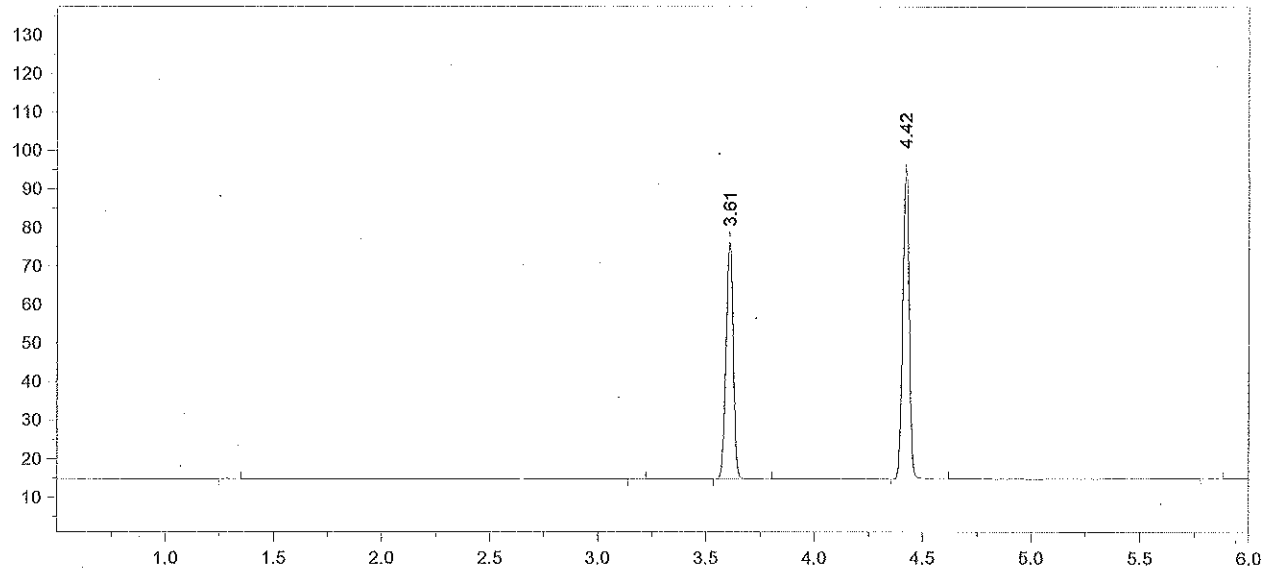
File Name = C:\Alcohol Data\SIM05152013\SIM05152013.SEQ
Version = 1
File Date = 5/15/2013 9:34:55 AM

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

13-04-100 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

13-04-100 53 RLM

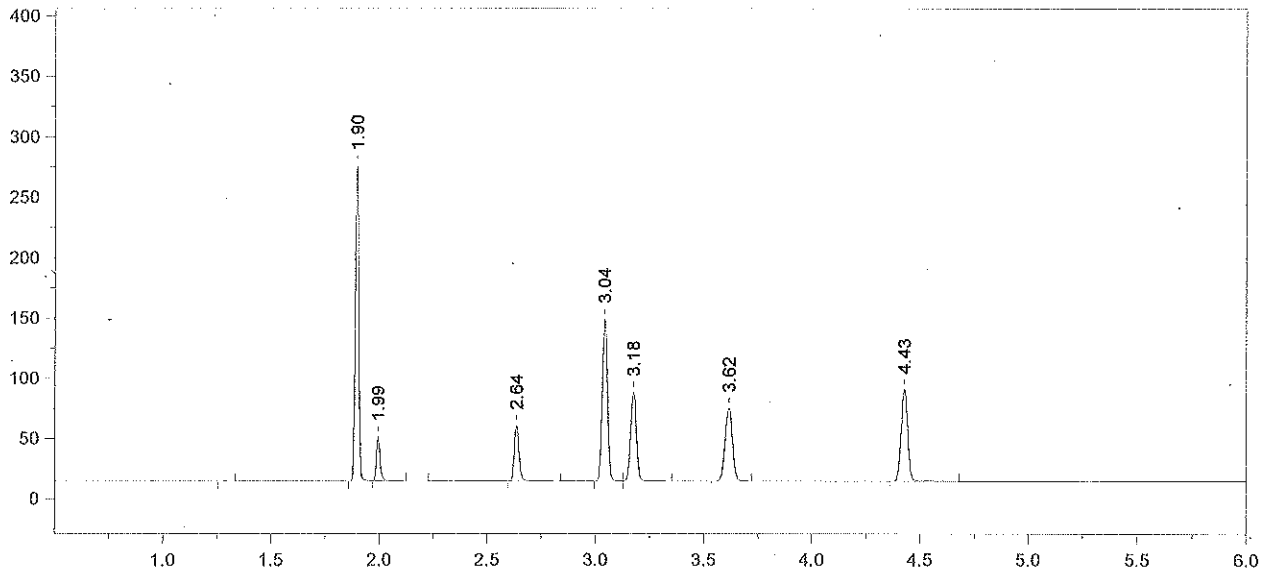


Format File Name = AlcoholVFL.FMT

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

13-04-100 54 RLM

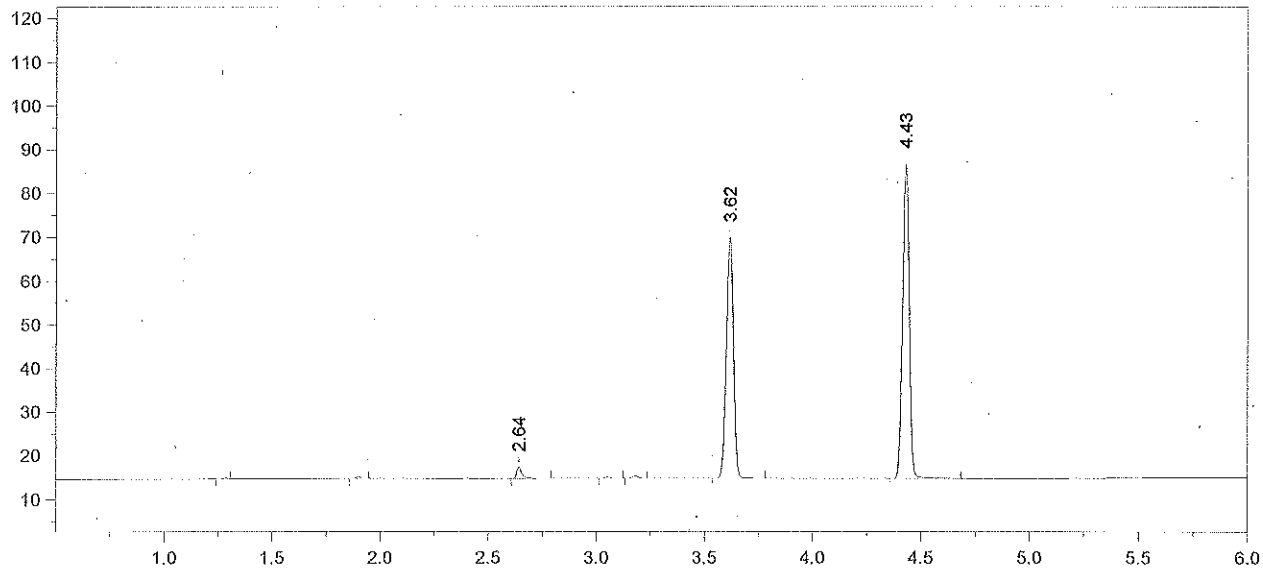


Format File Name = AlcoholVFL.FMT

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

13-04-100 55 KLM

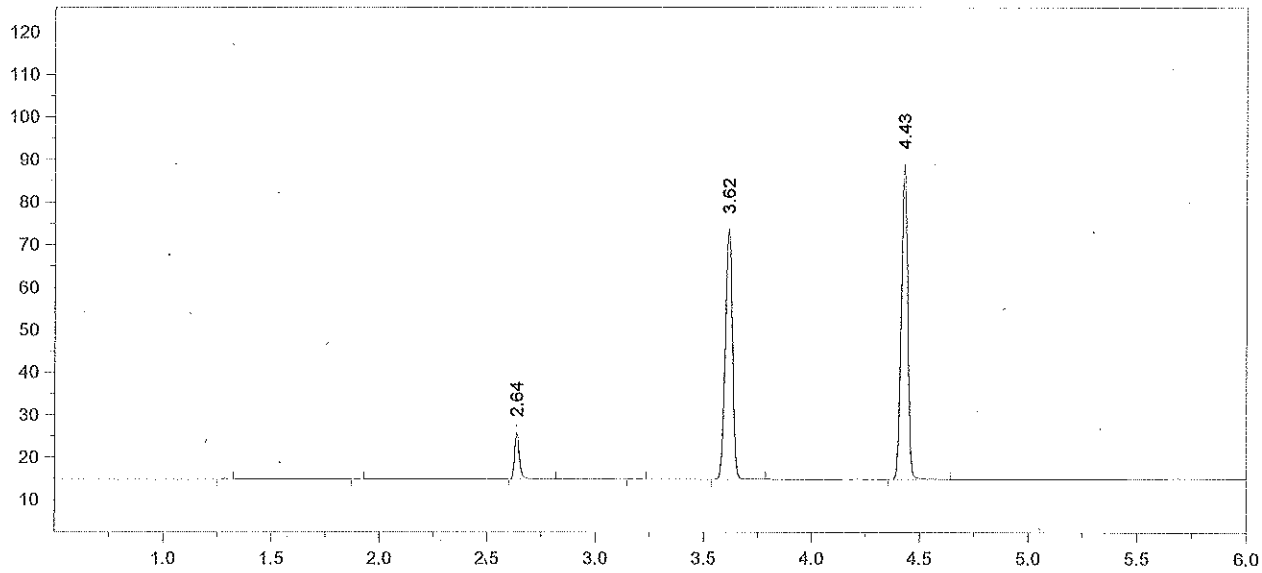


Format File Name = AlcoholVFL.FMT

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

13-04-100 56 RZM

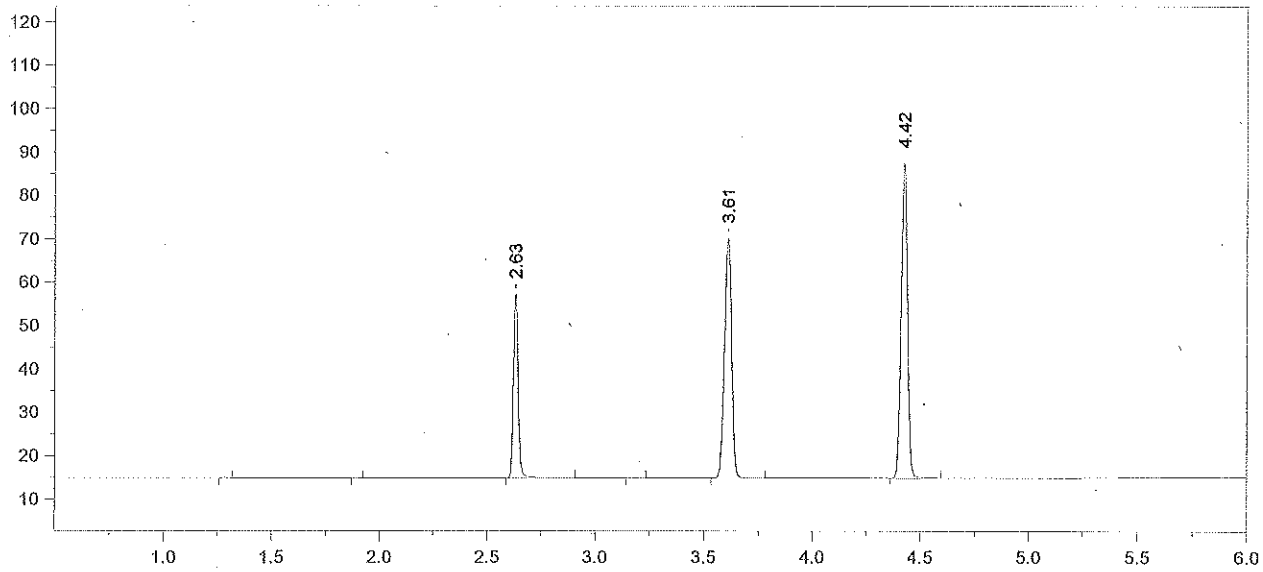


Format File Name = AlcoholVFL.FMT

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

13-04-100 57 LLM

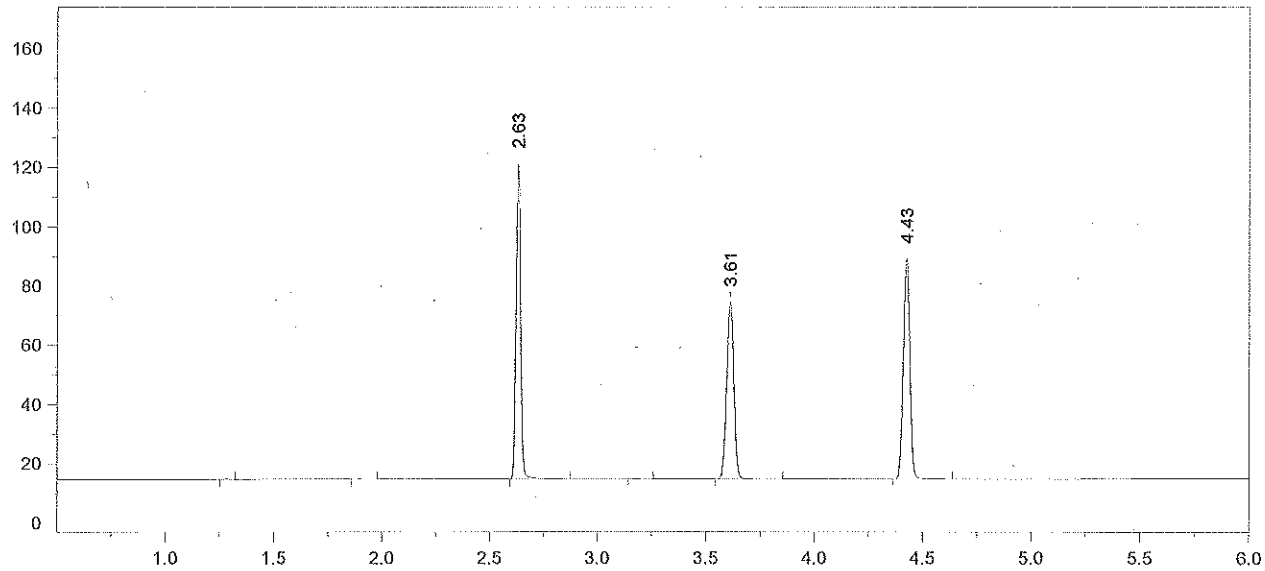


Format File Name = AlcoholVFL.FMT

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

13-04-100 58 RLM

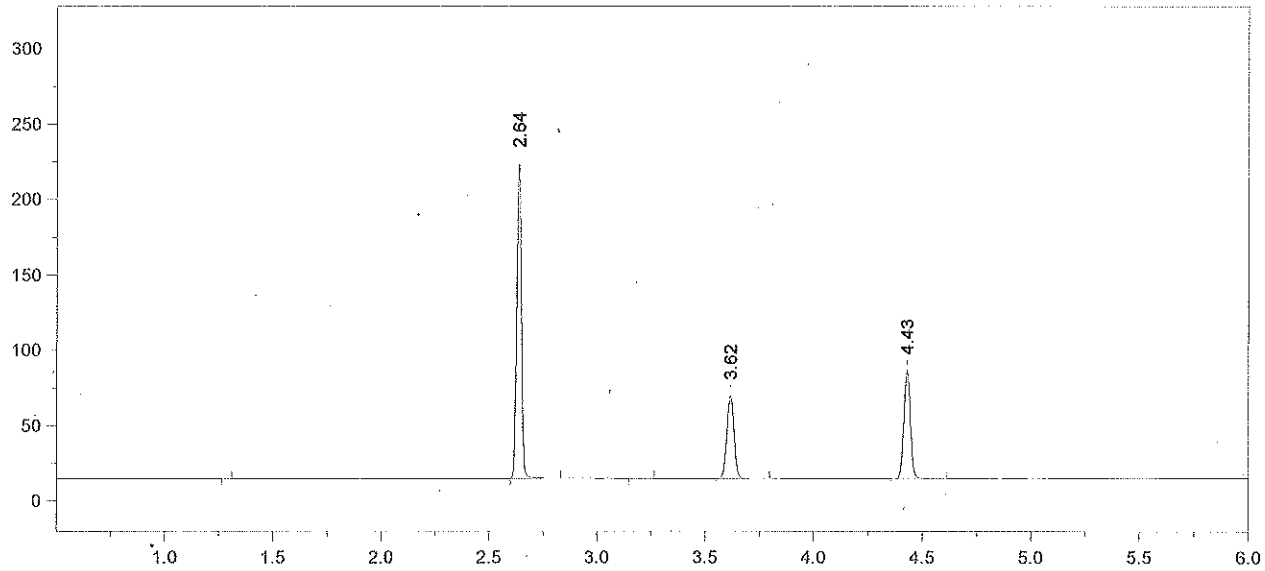


Format File Name = AlcoholVFL.FMT

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

13-04-100 59 RLM

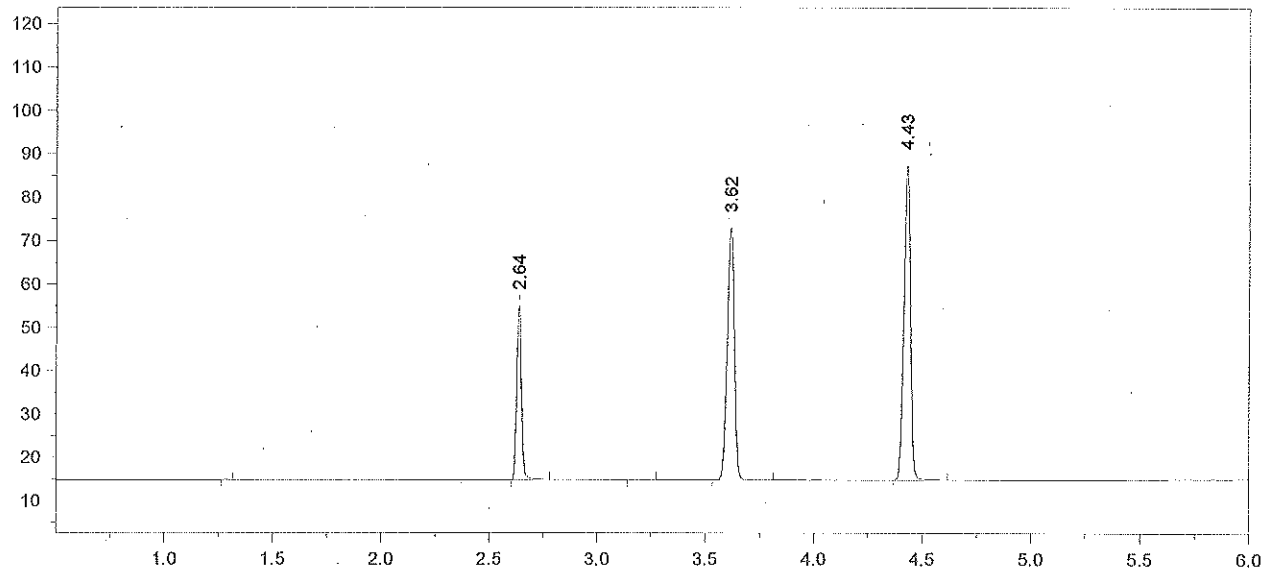


Format File Name = AlcoholVFL.FMT

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

13-04-100 60 RLM

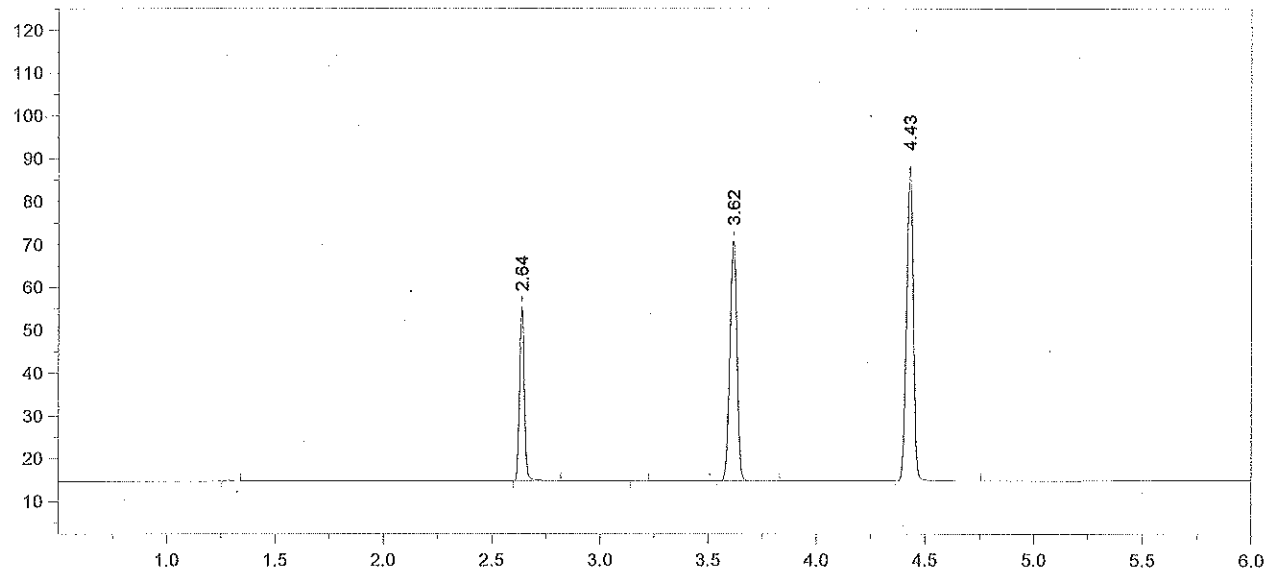


Format File Name = AlcoholVFL.FMT

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

13-04-100 61 RLM



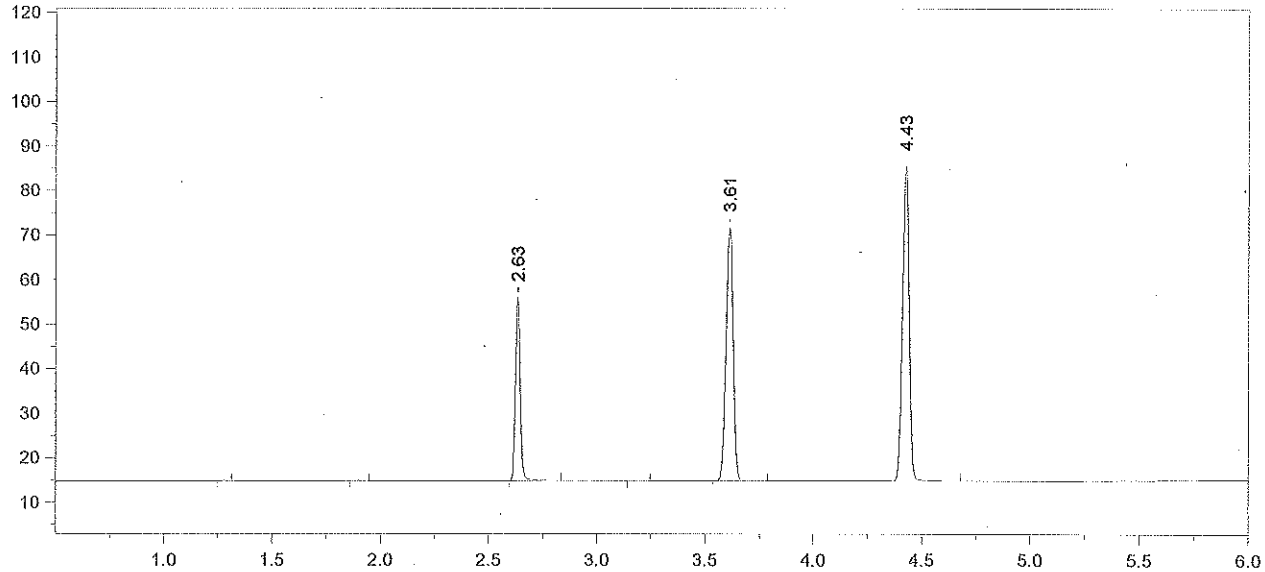
Format File Name = AlcoholVFL.FMT

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

13-04-100 62 RLM

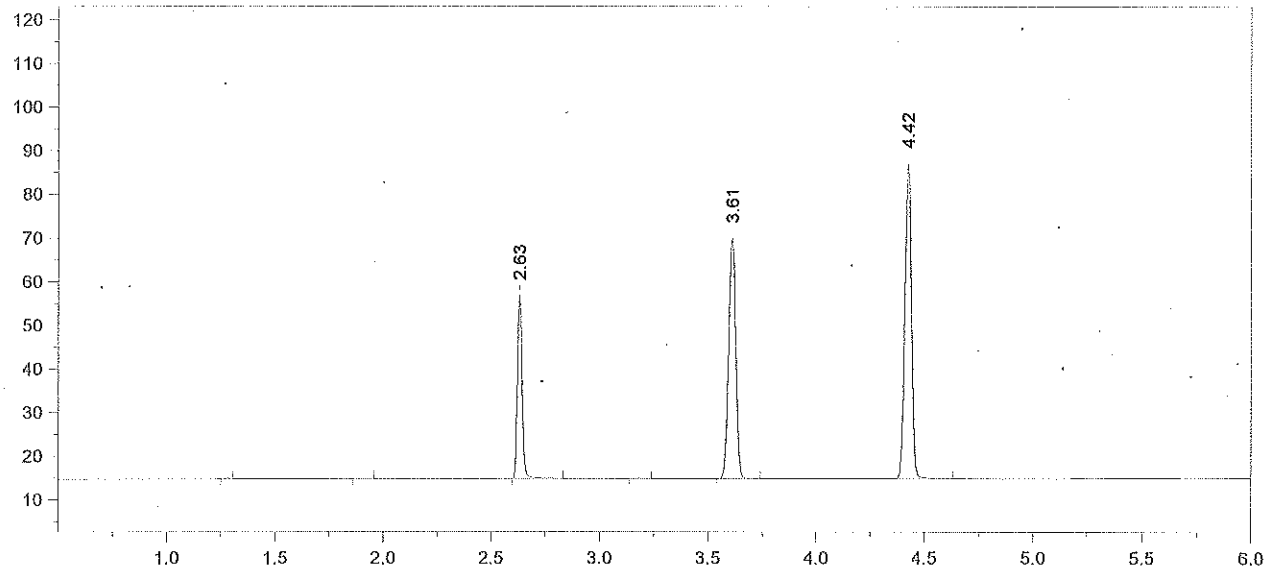


Format File Name = AlcoholVFL.FMT

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

13-04-100 63 RLM



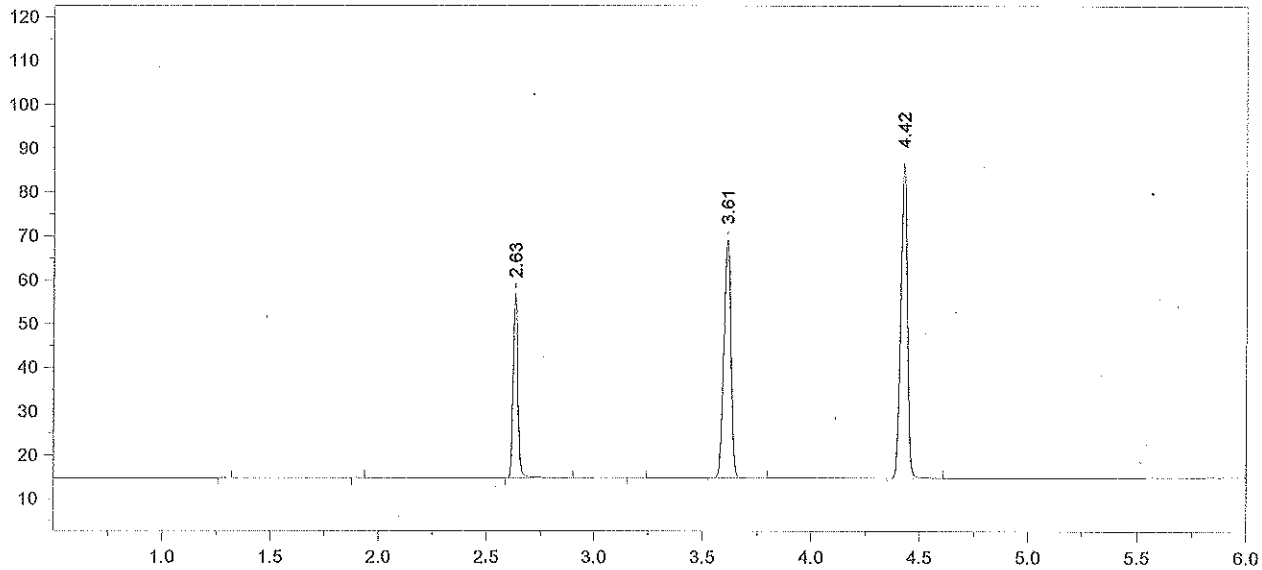
Format File Name = AlcoholVFL.FMT

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

13-04-100 64 RLM

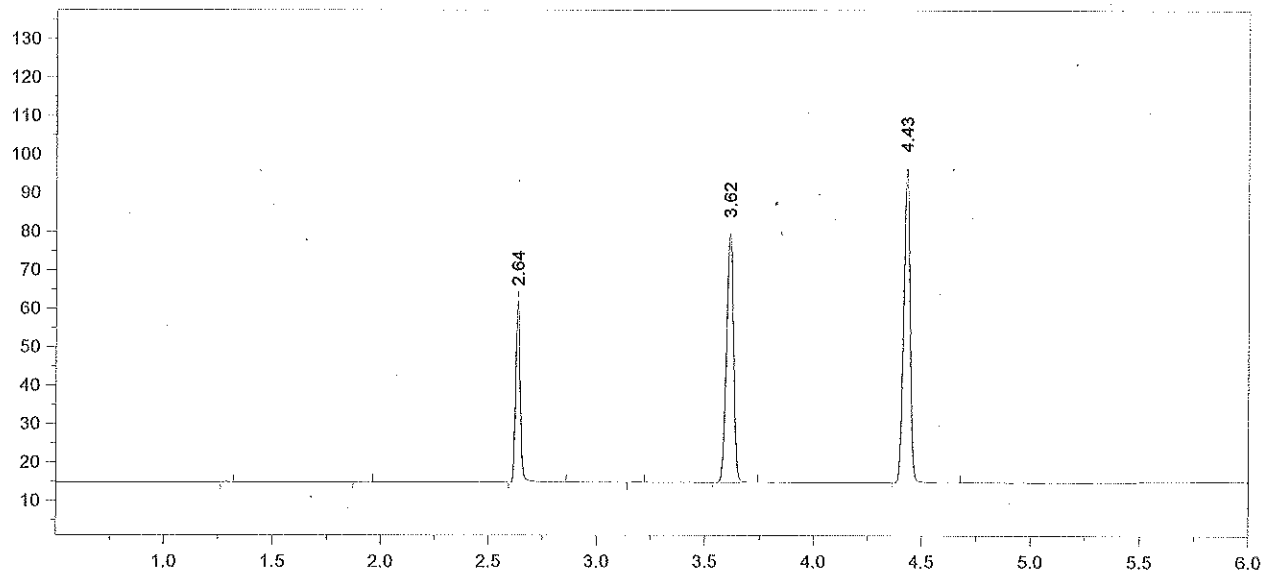


Format File Name = AlcoholVFL.FMT

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

13-04-100 65 RLM



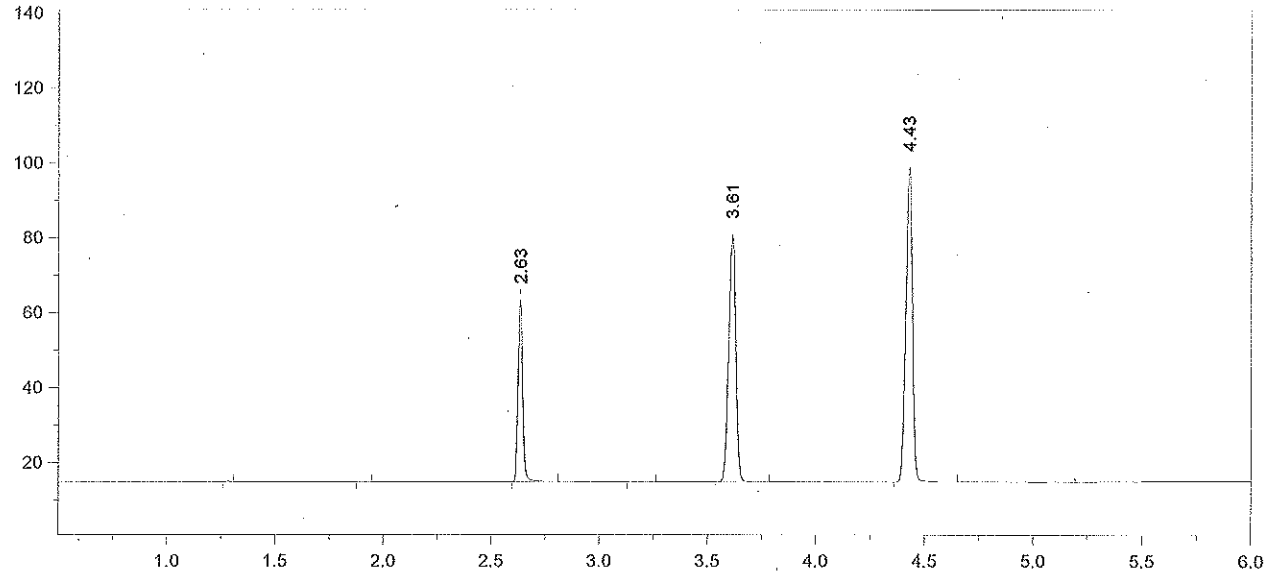
Format File Name = AlcoholVFL.FMT

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
RLM 5/16/13

13-04-100 66 RLM

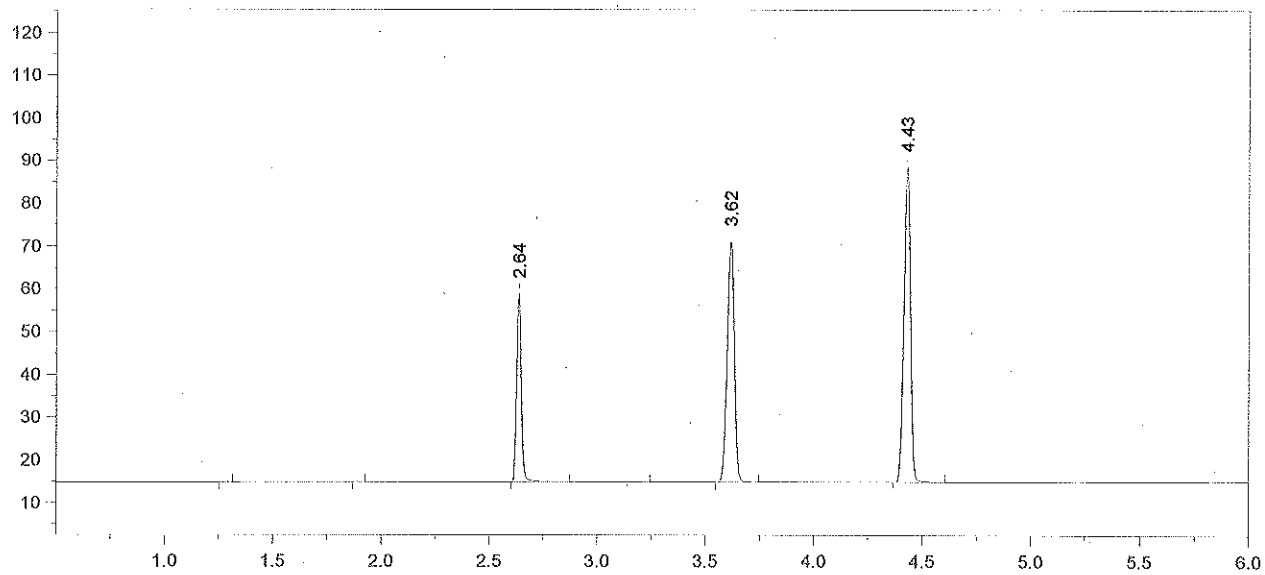


Format File Name = AlcoholVFL.FMT

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

13-04-100 67 RLM



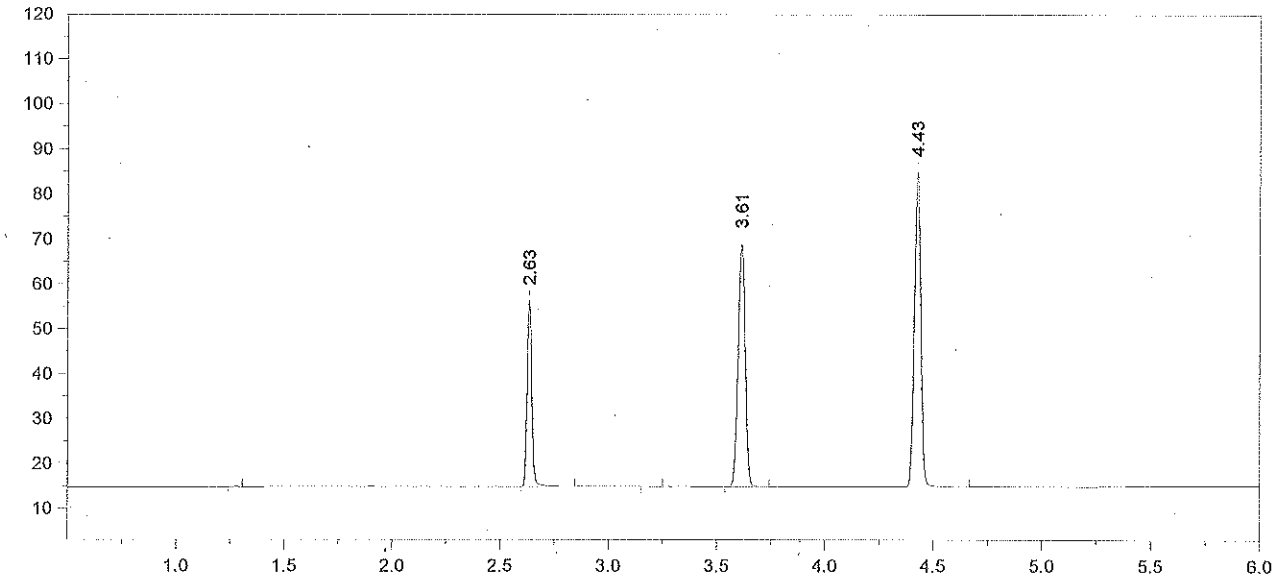
Format File Name = AlcoholVFL.FMT

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

13-04-100 68 RLM

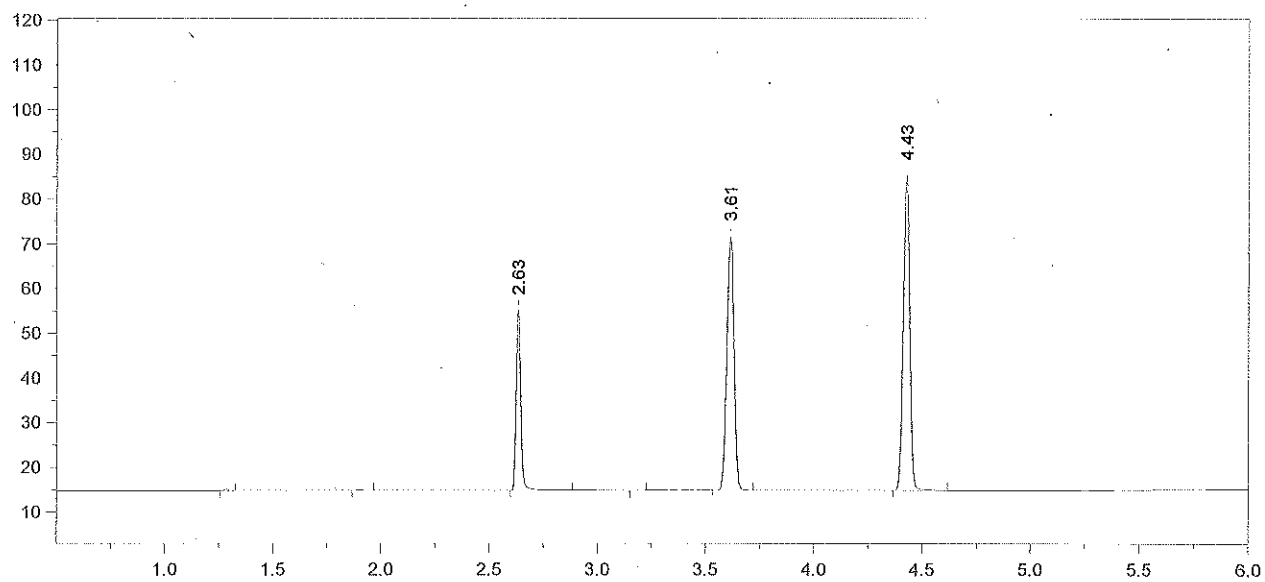


Format File Name = AlcoholVFL.FMT

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

13-04-100 69 RLM



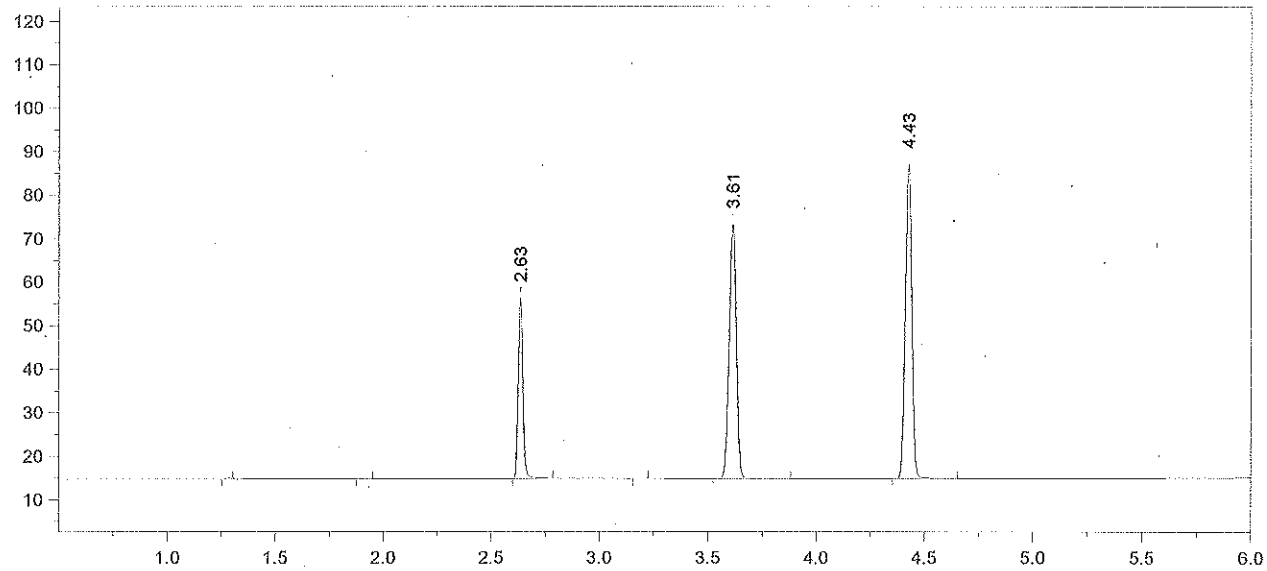
Format File Name = AlcoholVFL.FMT

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

13-04-100 70 RLM

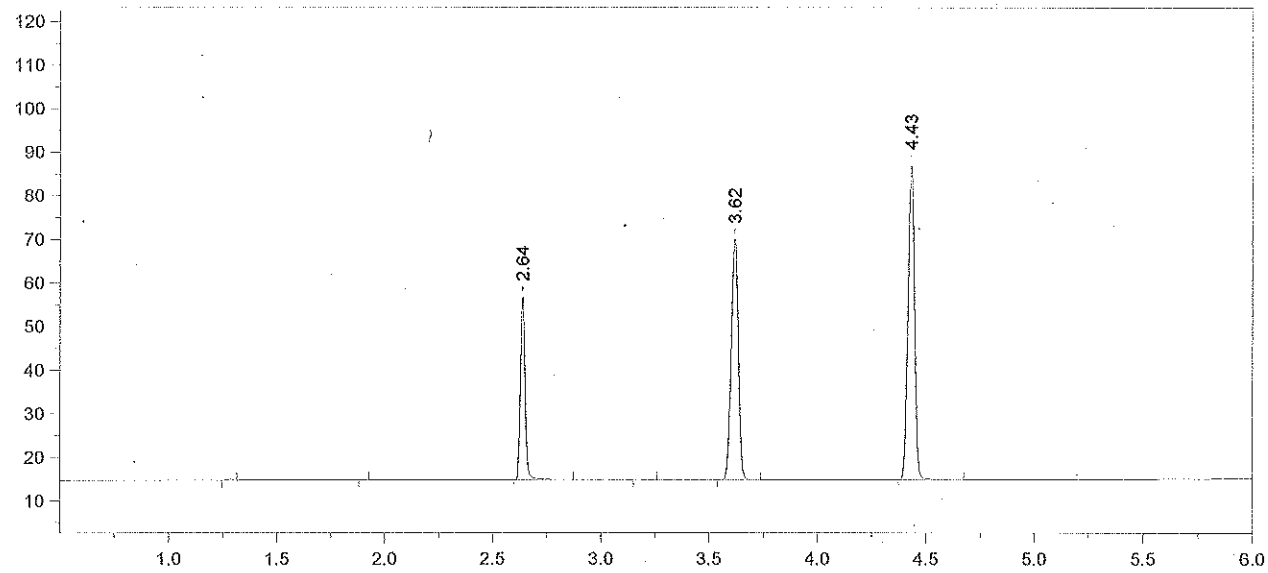


Format File Name = AlcoholVFL.FMT

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

13-04-100 71 RLM



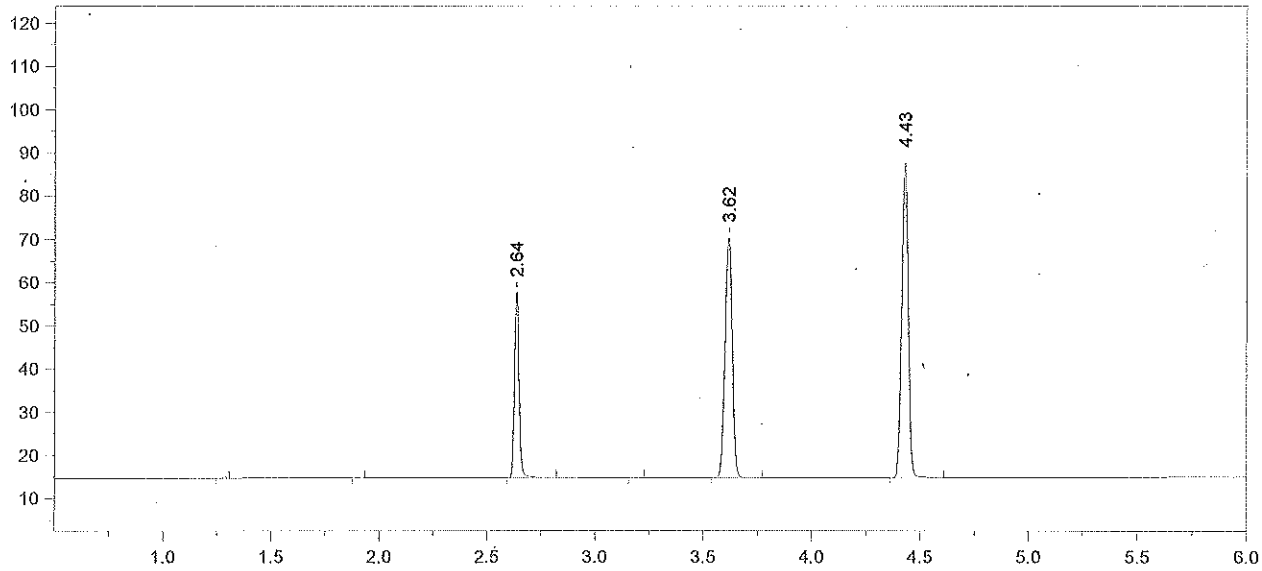
Format File Name = AlcoholVFL.FMT

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
RLM 5/16/13

13-04-100 72 RLM

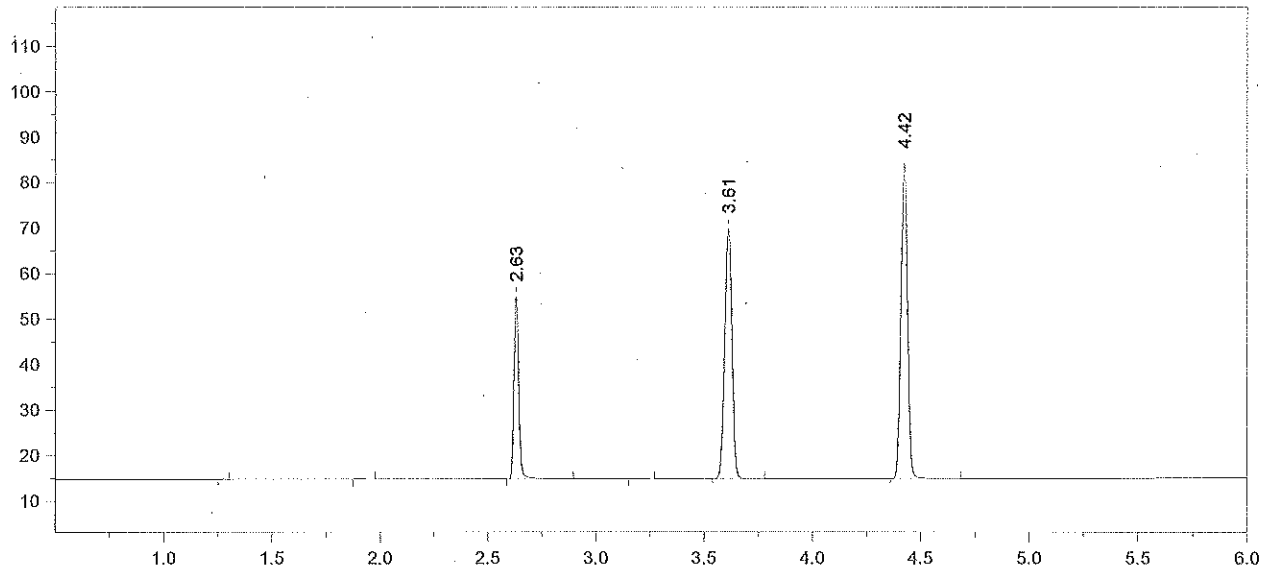


Format File Name = AlcoholVFL.FMT

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

13-04-100 73



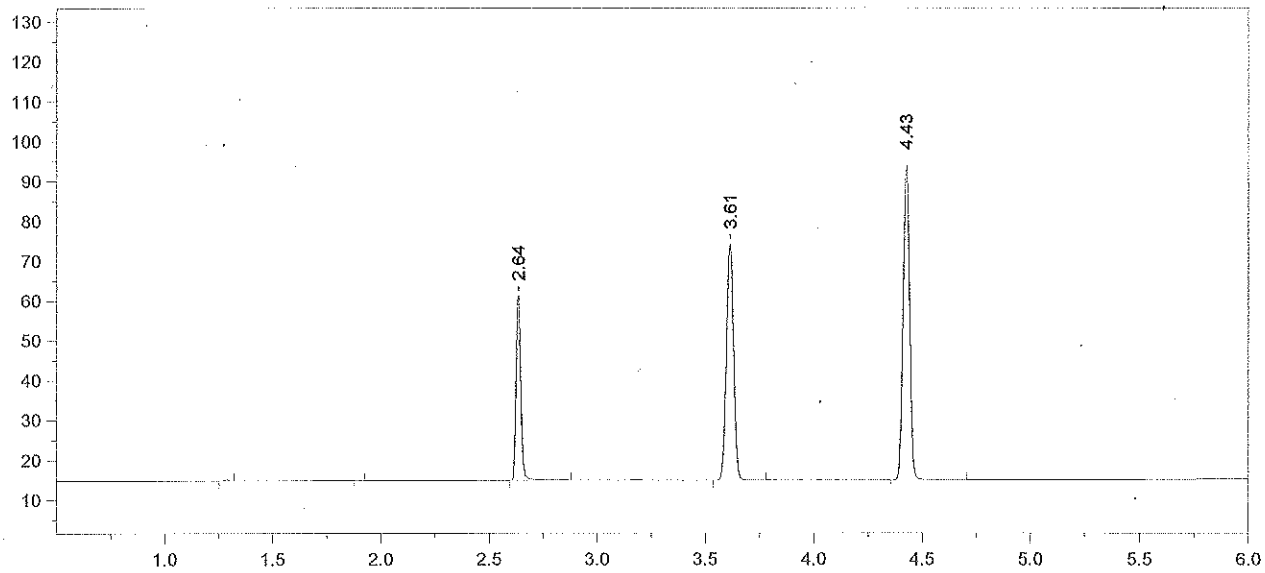
Format File Name = AlcoholVFL.FMT

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
RLM 5/16/13

13-04-100 74 RLM

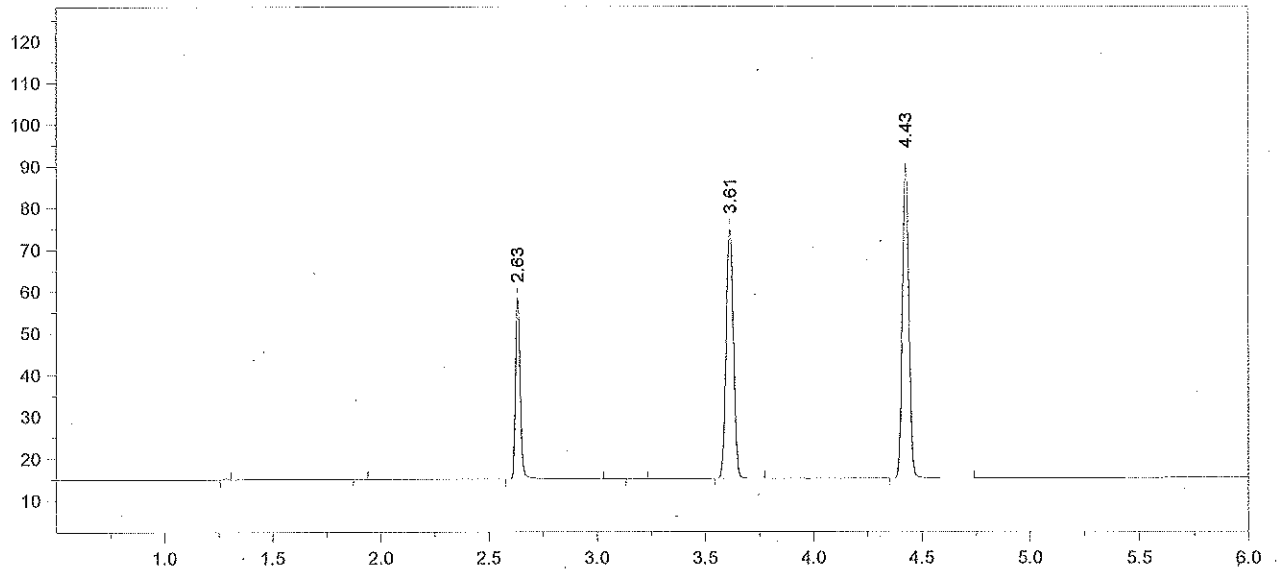


Format File Name = AlcoholVFL.FMT

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

13-04-100 75 RGM



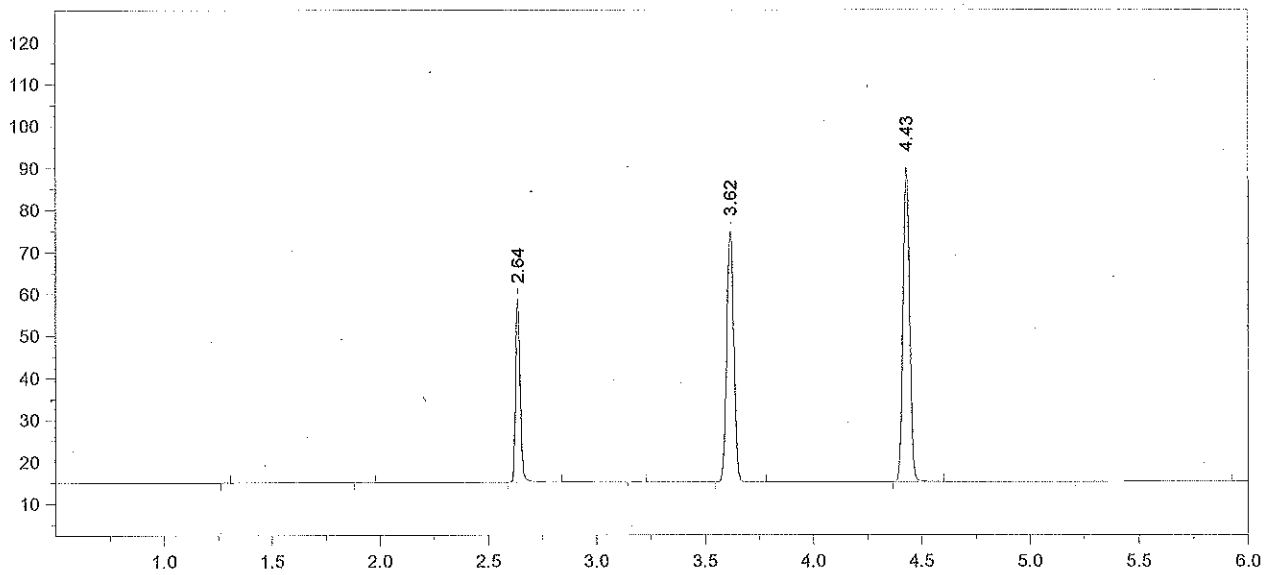
Format File Name = AlcoholVFL.FMT

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

13-04-100 76 RLM

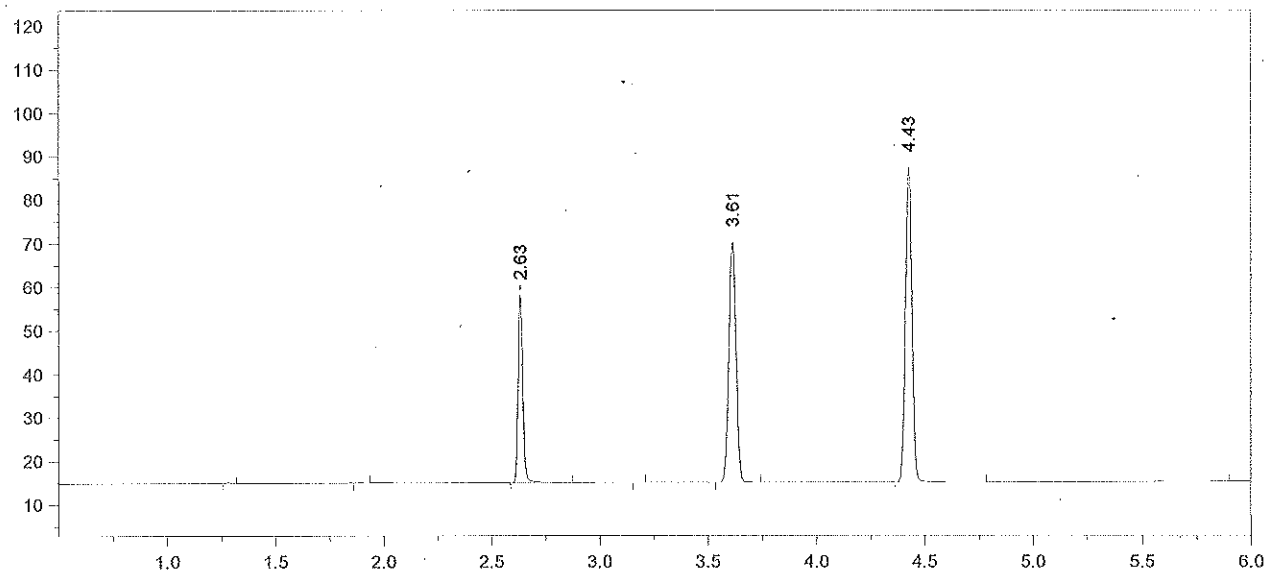


Format File Name = AlcoholVFL.FMT

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

13-04-100
~~13-040~~ RLM 5/20/13 77 RLM



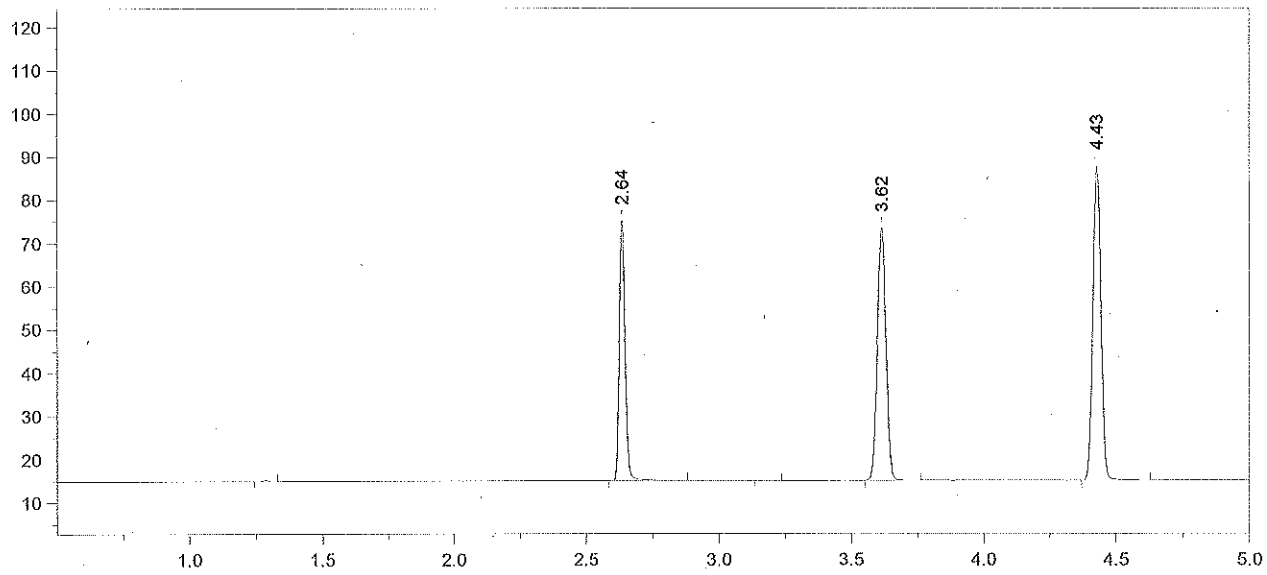
Format File Name = AlcoholVFL.FMT

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 X
5	3.61	t-Butanol	126671	0.9713
6	4.43	n-Propanol	153405	1.0000

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

13-04-100 78 RLM

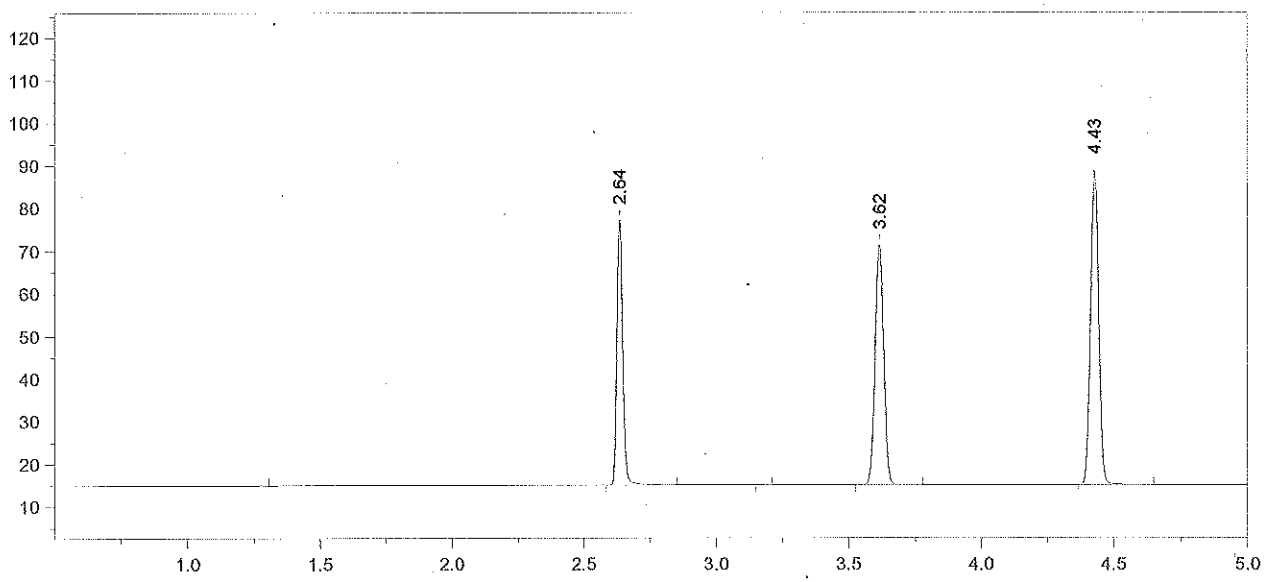


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 11:17:54 AM
Bound File Name = SIM05152013.0068.RAW
Sample Name = RLM 0.1
Date Taken = 5/16/2013 11:17:50 AM 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	92136	0.1183	0.0966
4	3.62	t-Butanol	134883	1.0282	0.8393
5	4.43	n-Propanol	154298	1.0000	0.8162

13-04-100 79 RLM

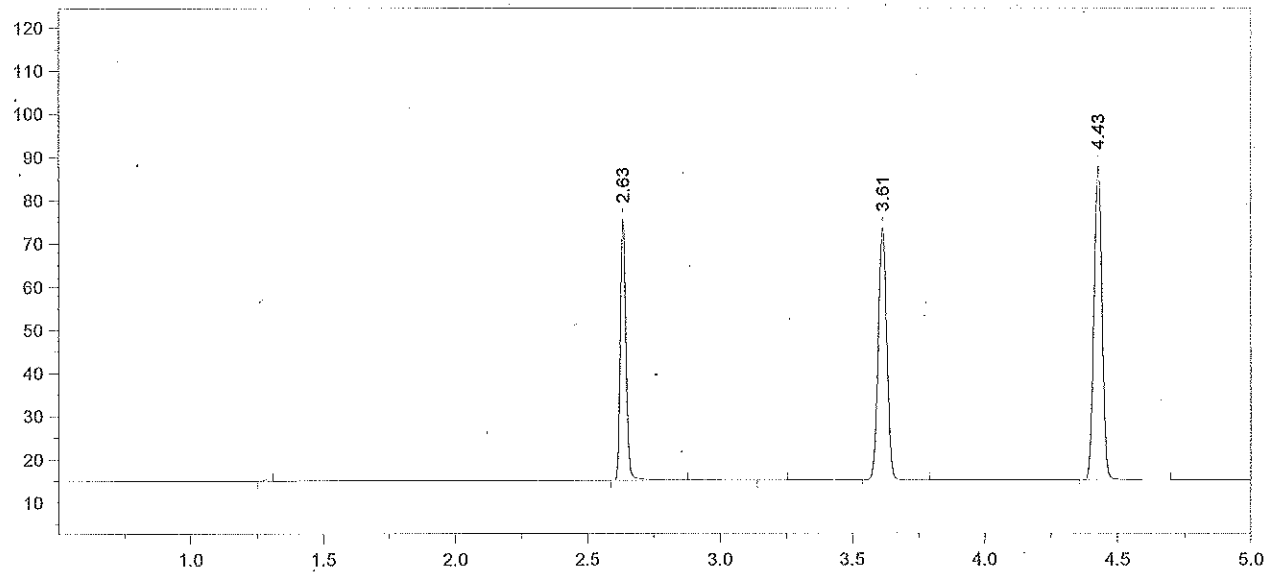


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 11:31:42 AM
Bound File Name = SIM05152013.0069.RAW
Sample Name = RLM 0.1
Date Taken = 5/16/2013 11:31:38 AM
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	94532	0.1198	0.0978
4	3.62	t-Butanol	130066	0.9783	0.7985
5	4.43	n-Propanol	156377	1.0000	0.8162

13-04-100 80 RLM

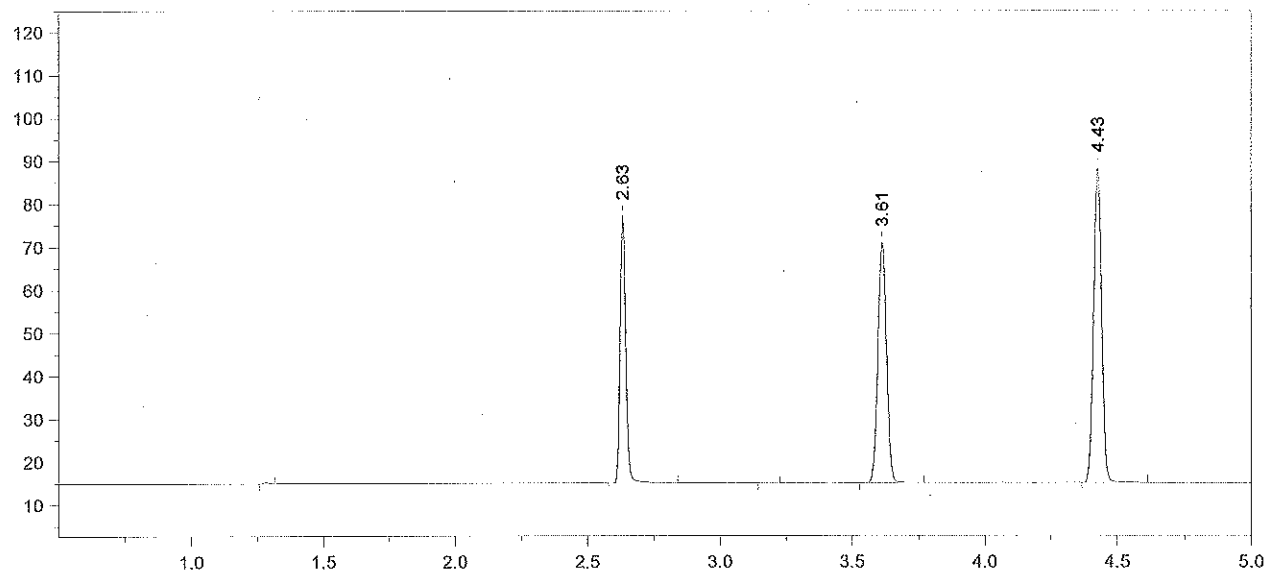


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 11:49:19 AM
Bound File Name = SIM05152013.0070.RAW
Sample Name = RLM 0.1
Date Taken = 5/16/2013 11:49:12 AM 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	91775	0.1182	0.0965
4	3.61	t-Butanol	134375	1.0276	0.8387
5	4.43	n-Propanol	153812	1.0000	0.8162

13-04-100 81 RLM

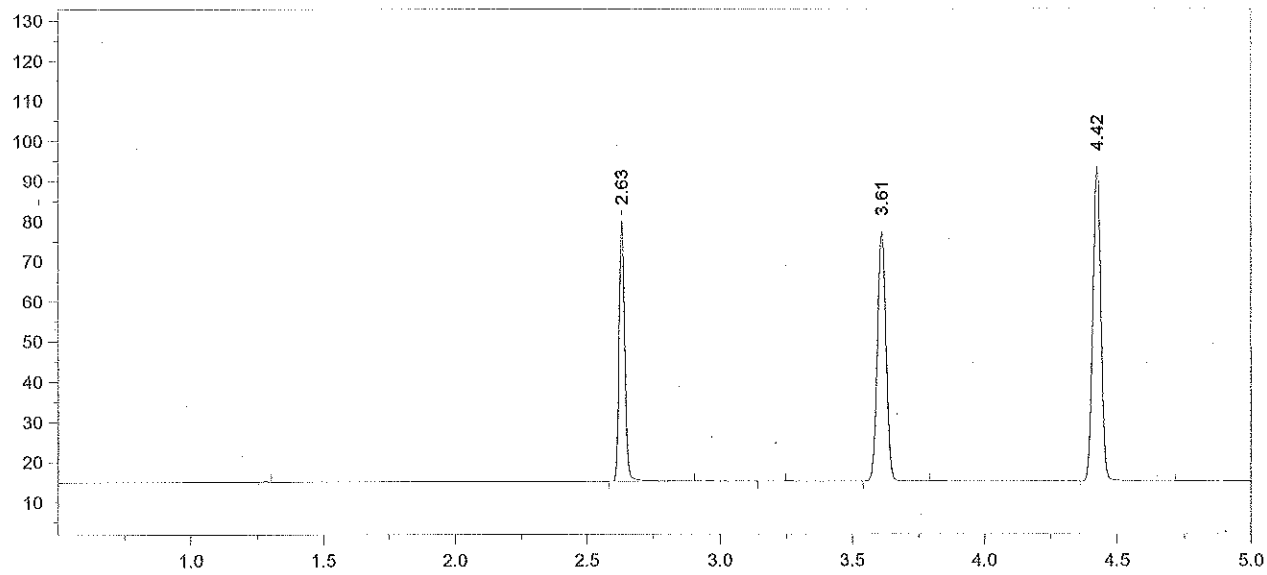


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 12:03:18 PM
Bound File Name = SIM05152013.0071.RAW
Sample Name = RLM 0.1
Date Taken = 5/16/2013 12:03:10 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	2.63	Ethanol	93635	0.1200	0.0980
4	3.61	t-Butanol	128466	0.9778	0.7981
5	4.43	n-Propanol	154543	1.0000	0.8162

13-04-100 82 RLM

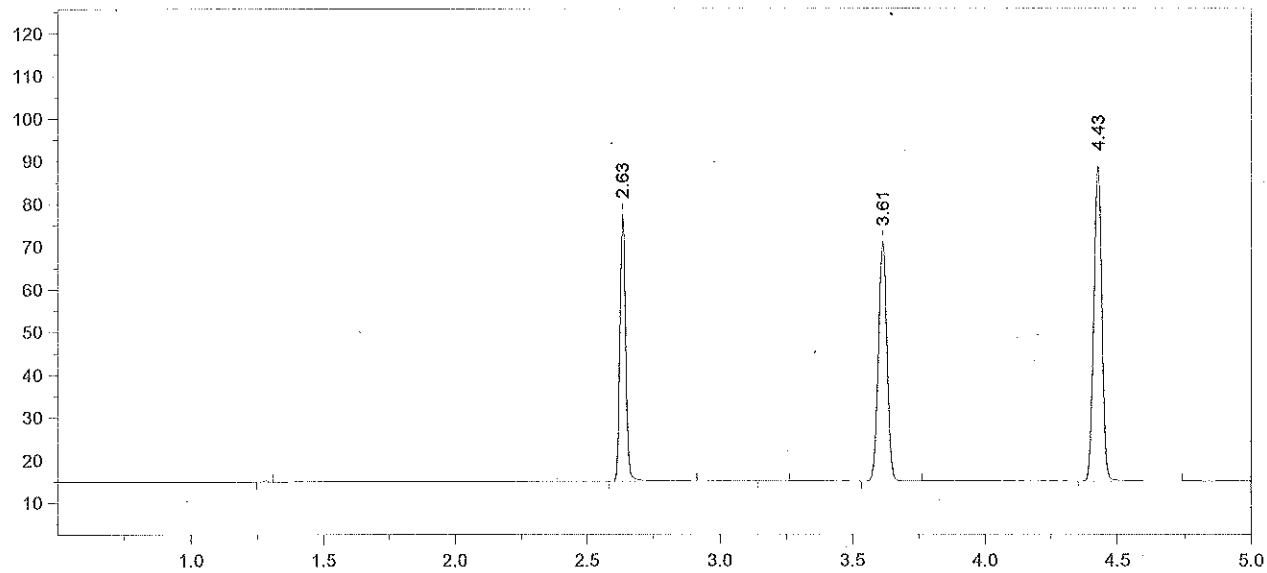


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 12:19:05 PM
Bound File Name = SIM05152013.0072.RAW
Sample Name = RLM 0.1
Date Taken = 5/16/2013 12:18:56 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	2.63	Ethanol	98081	0.1174	0.0958
4	3.61	t-Butanol	143162	1.0173	0.8303
5	4.42	n-Propanol	165538	1.0000	0.8162

13-04-100 83 RLM

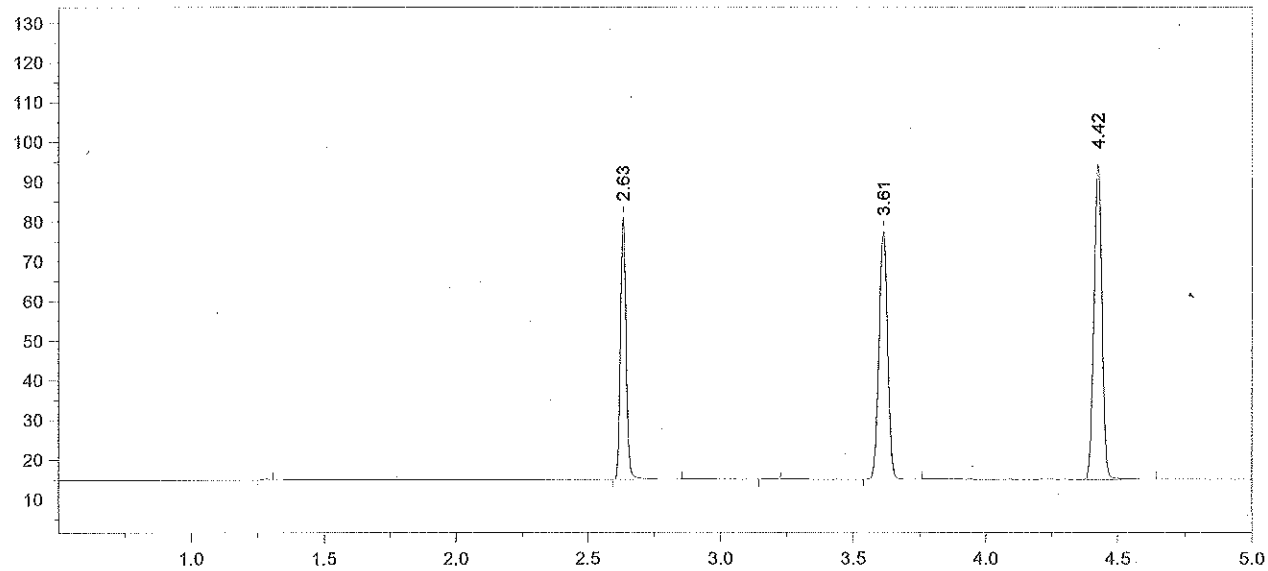


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 12:34:23 PM
Bound File Name = SIM05152013.0073.RAW
Sample Name = RLM 0.1
Date Taken = 5/16/2013 12:34:17 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	94529	0.1198	0.0978
4	3.61	t-Butanol	128901	0.9697	0.7914
5	4.43	n-Propanol	156362	1.0000	0.8162

13-04-100 84 RLM

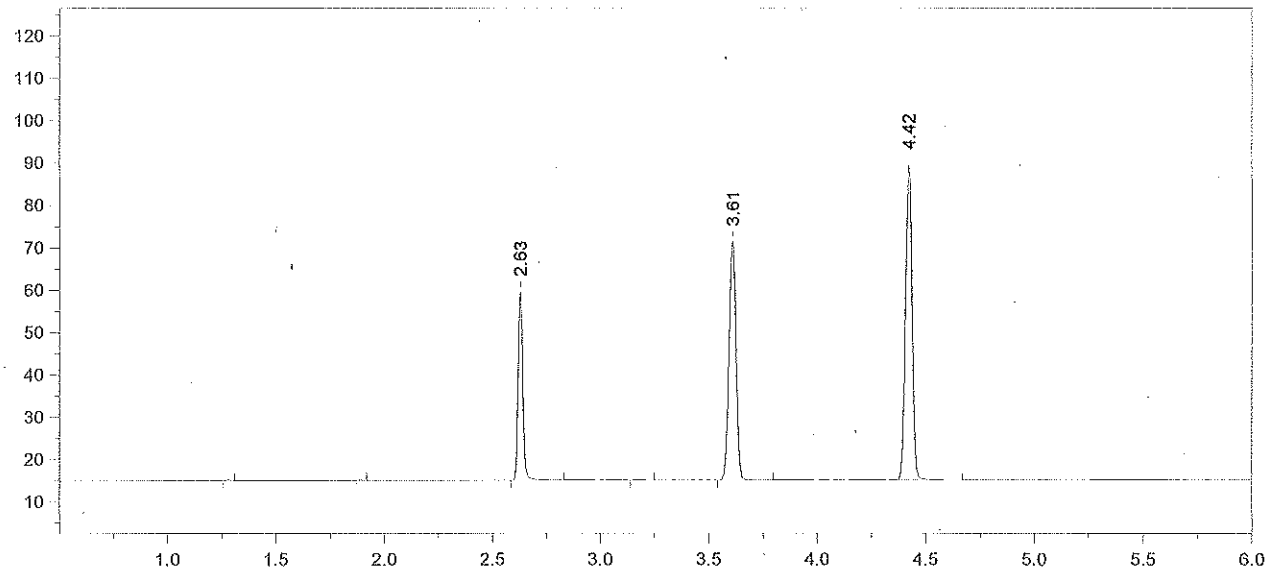


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 12:50:36 PM
Bound File Name = SIM05152013.0074.RAW
Sample Name = RLM 0.1
Date Taken = 5/16/2013 12:50:28 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	99673	0.1181	0.0964
4	3.61	t-Butanol	143941	1.0129	0.8267
5	4.42	n-Propanol	167150	1.0000	0.8162

13-04-100 85 RLM

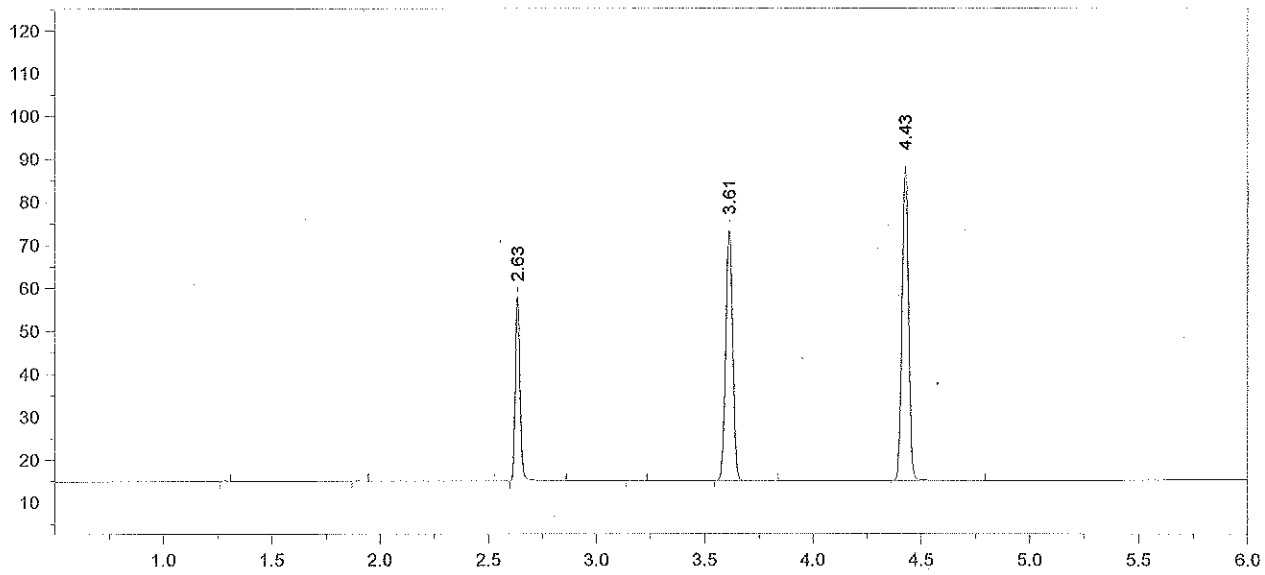


Format File Name = AlcoholVFL.FMT

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

13-04-100 86 RLM



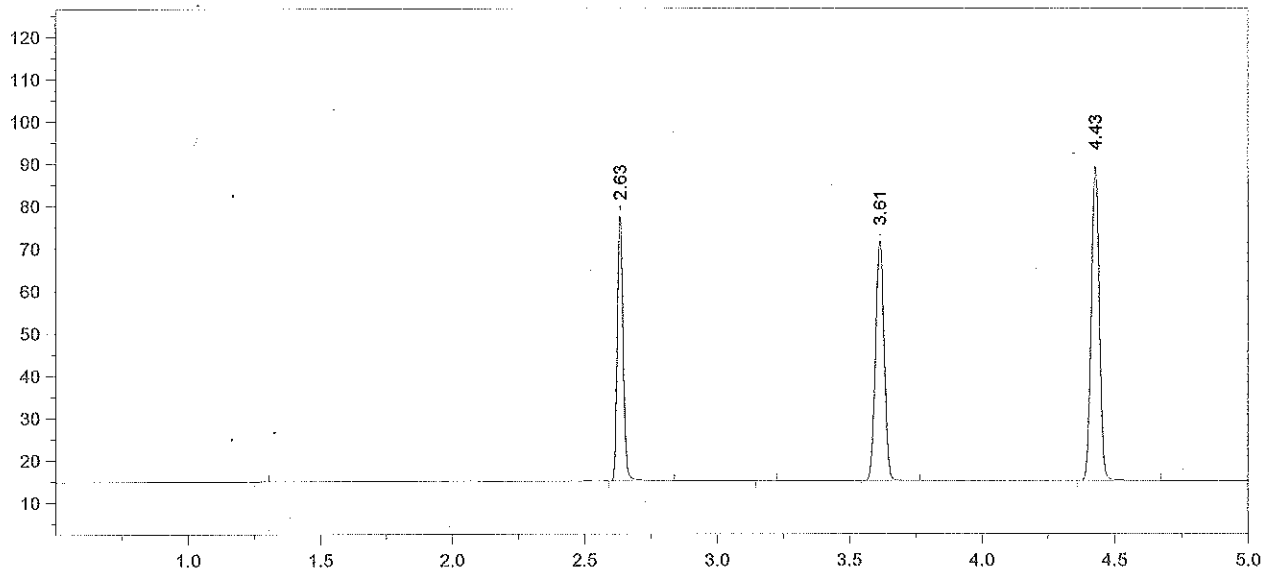
Format File Name = AlcoholVFL.FMT

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
RLM 5/16/13

13-04-100 87 RLM

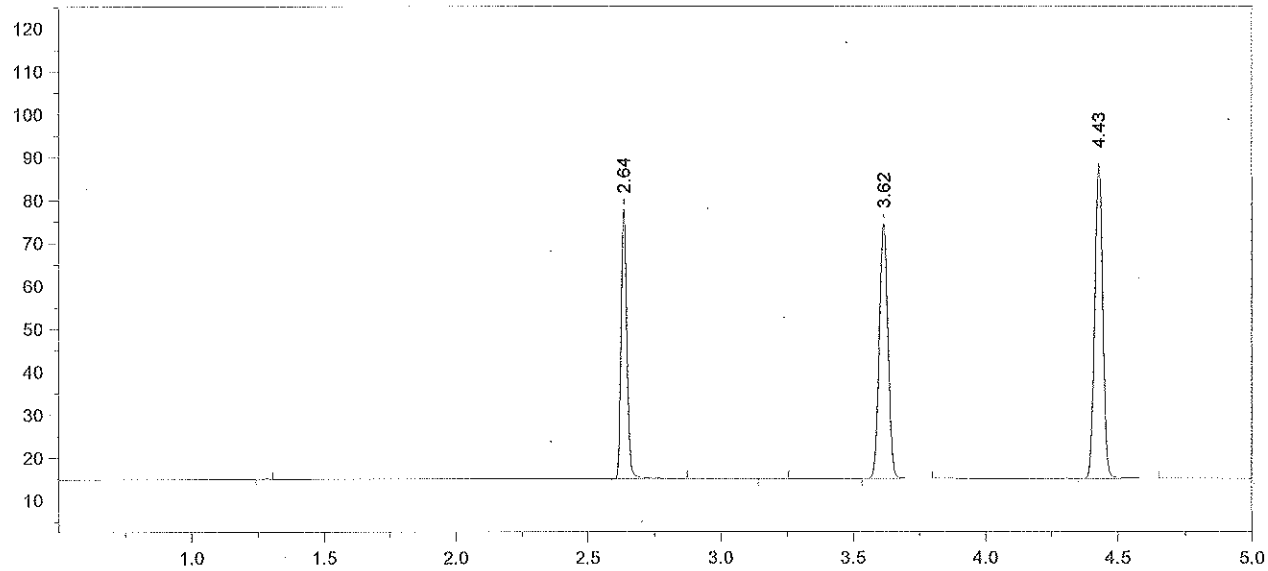


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 1:35:42 PM
Bound File Name = SIM05152013.0077.RAW
Sample Name = ALB 0.1
Date Taken = 5/16/2013 1:35:38 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	95506	0.1206	0.0984
4	3.61	t-Butanol	130726	0.9797	0.7996
5	4.43	n-Propanol	156954	1.0000	0.8162

13-04-100 88

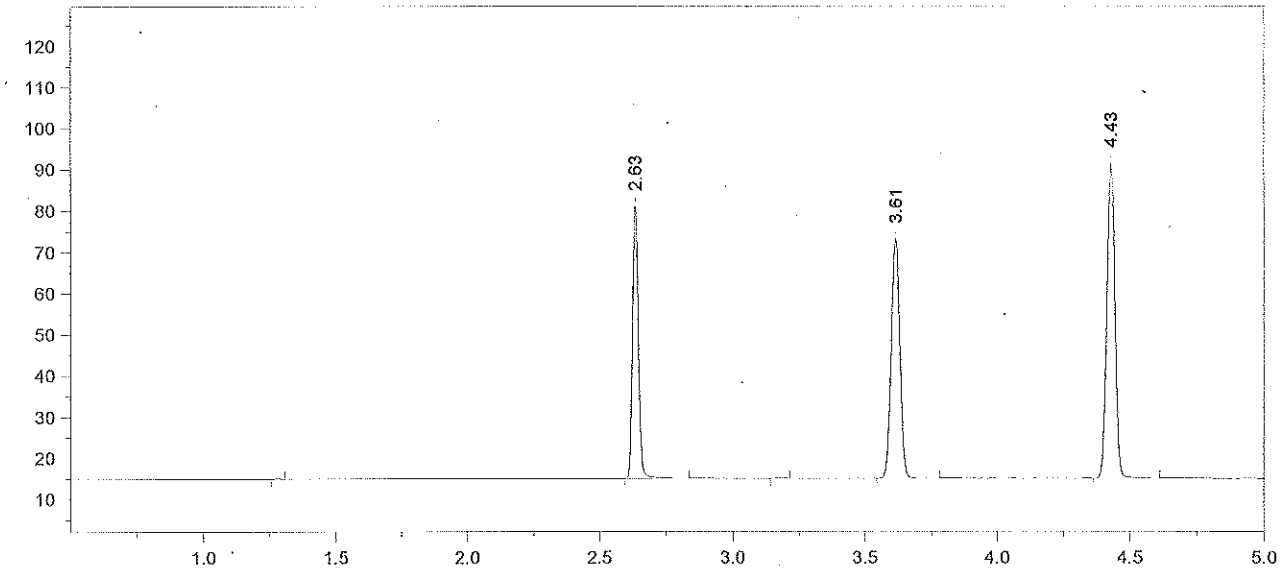


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 1:53:24 PM
Bound File Name = SIM05152013.0078.RAW
Sample Name = ALB 0.1
Date Taken = 5/16/2013 1:53:17 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	2.64	Ethanol	95314	0.1213	0.0990
4	3.62	t-Butanol	136876	1.0340	0.8440
5	4.43	n-Propanol	155702	1.0000	0.8162

13-04-100 89 RKM

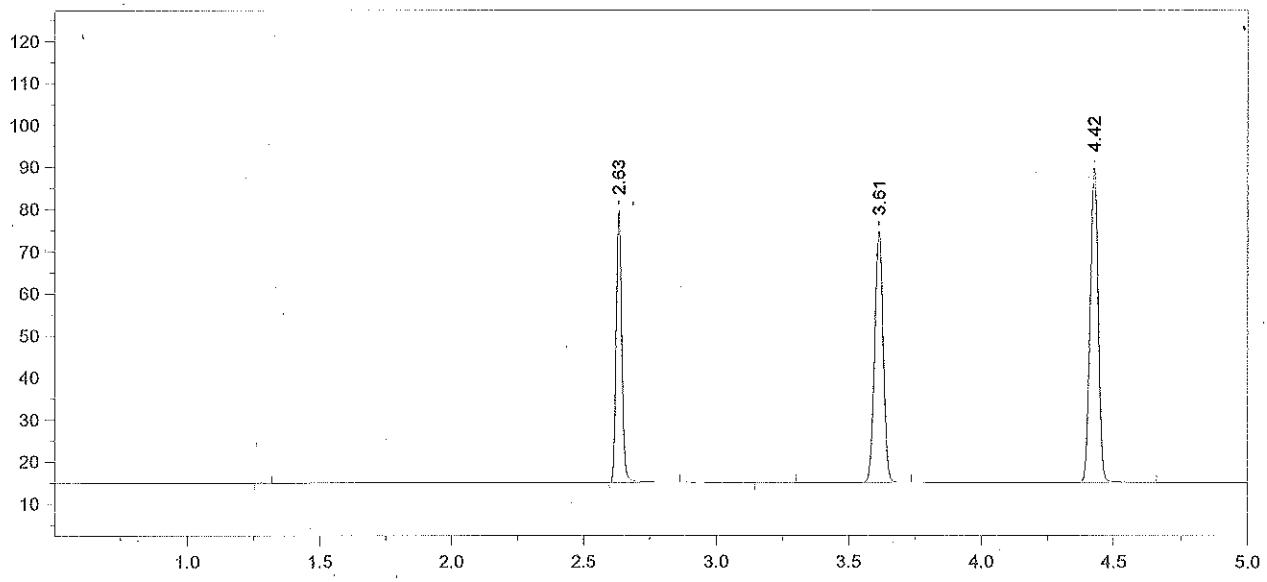


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 2:07:15 PM
Bound File Name = SIM05152013.0079.RAW
Sample Name = ALB 0.1
Date Taken = 5/16/2013 2:07:09 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	2.63	Ethanol	100424	0.1233	0.1007
4	3.61	t-Butanol	134329	0.9795	0.7995
5	4.43	n-Propanol	161304	1.0000	0.8162

13-04-100 90 RLM

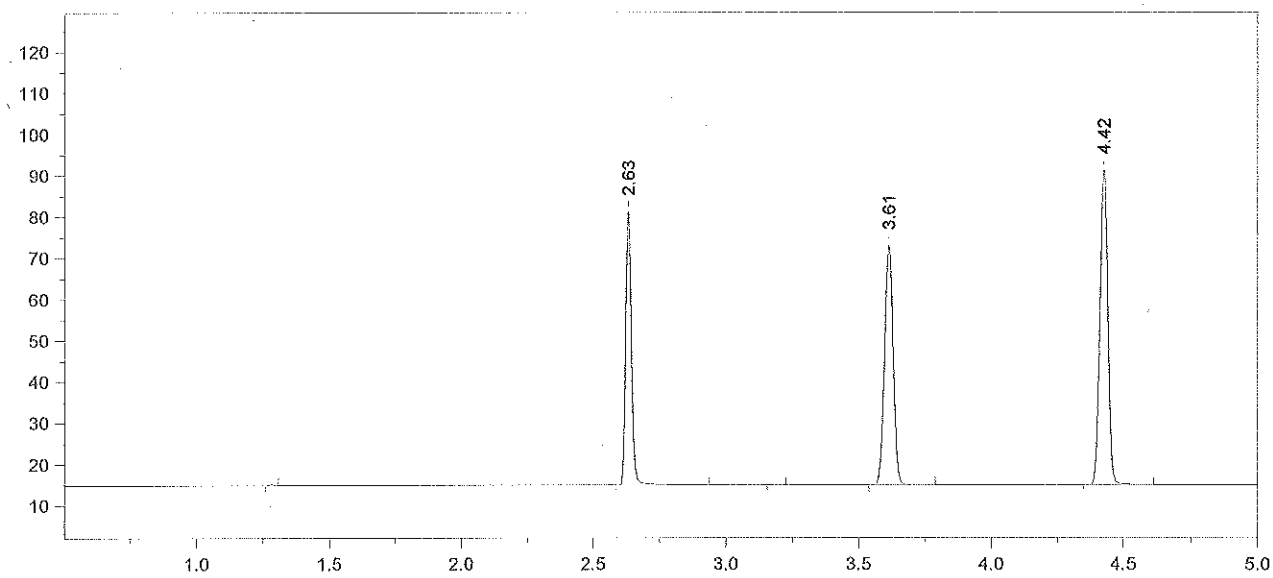


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 2:24:48 PM
Bound File Name = SIM05152013.0080.RAW
Sample Name = ALB 0.1
Date Taken = 5/16/2013 2:24:41 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	2.63	Ethanol	97525	0.1218	0.0994
4	3.61	t-Butanol	137443	1.0192	0.8318
5	4.42	n-Propanol	158627	1.0000	0.8162

13-04-100 91 TKM

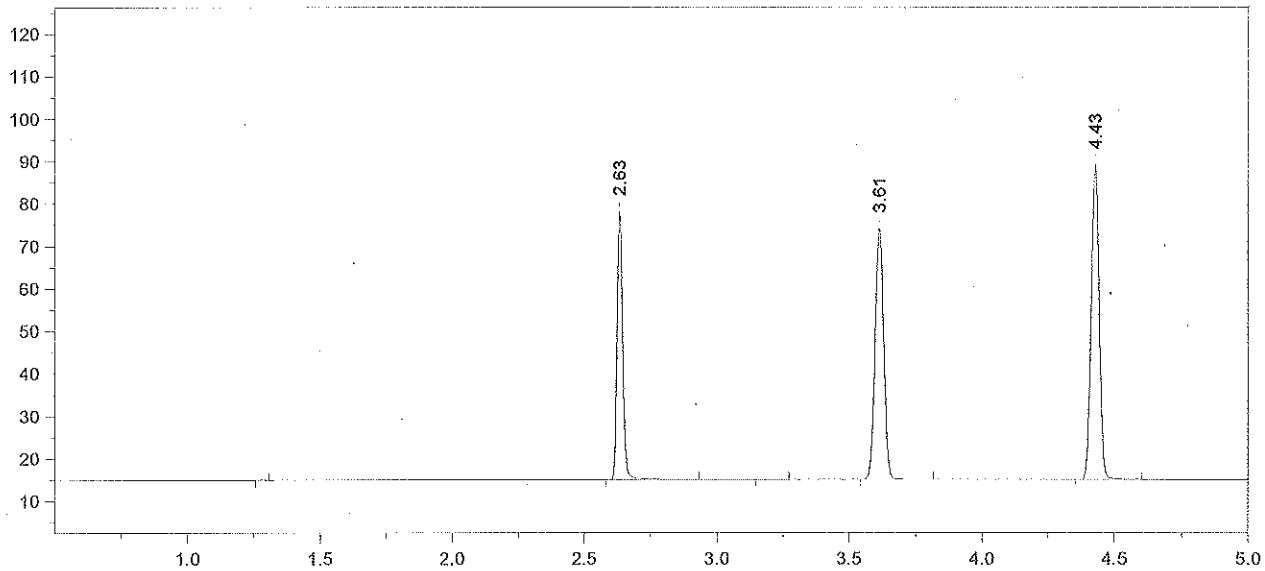


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 2:38:28 PM
Bound File Name = SIM05152013.0081.RAW
Sample Name = ALB 0.1
Date Taken = 5/16/2013 2:38:22 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	100733	0.1235	0.1008
4	3.61	t-Butanol	133682	0.9732	0.7943
5	4.42	n-Propanol	161575	1.0000	0.8162

13-04-100 92 RLM

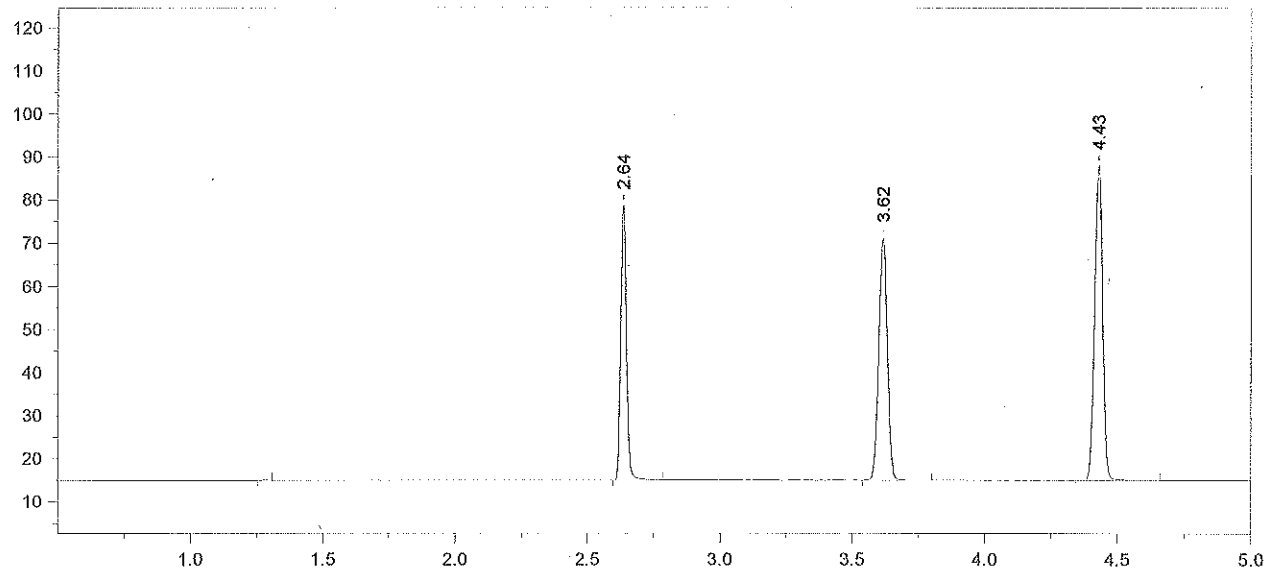


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 2:56:15 PM
Bound File Name = SIM05152013.0082.RAW
Sample Name = ALB 0.1
Date Taken = 5/16/2013 2:56:08 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	96044	0.1220	0.0996
4	3.61	t-Butanol	136172	1.0273	0.8384
5	4.43	n-Propanol	155923	1.0000	0.8162

13-04-100 93 [illegible]

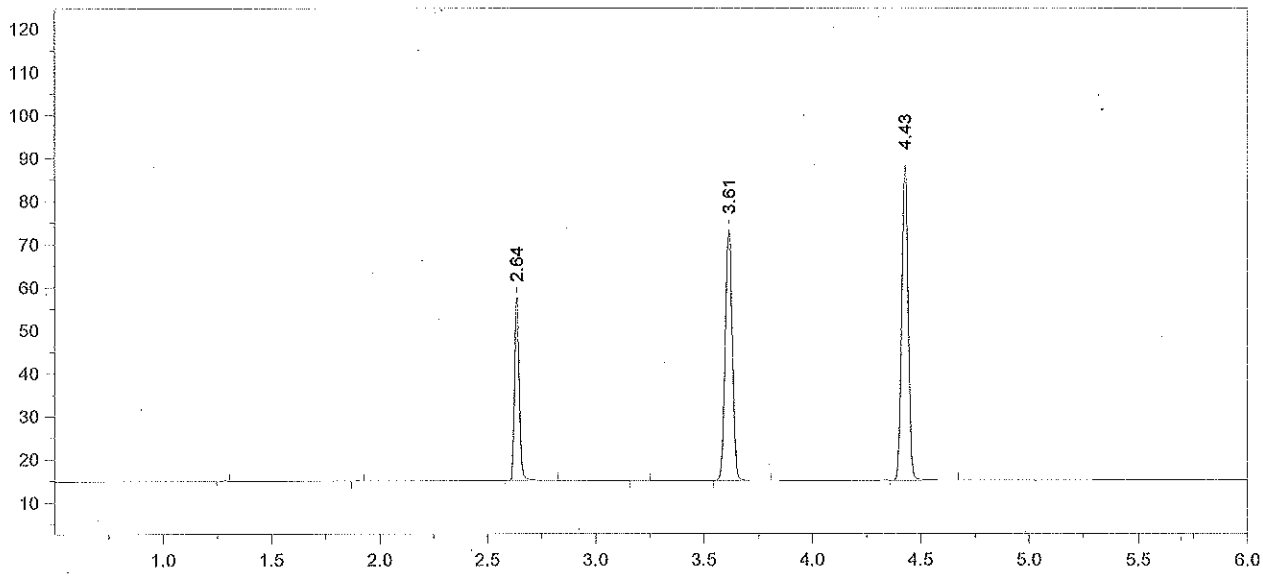


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 3:09:24 PM
Bound File Name = SIM05152013.0083.RAW
Sample Name = ALB 0.1
Date Taken = 5/16/2013 3:09:19 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	2.64	Ethanol	95901	0.1226	0.1001
3	3.62	t-Butanol	129453	0.9825	0.8019
4	4.43	n-Propanol	154987	1.0000	0.8162

13-04-100 94 RKM

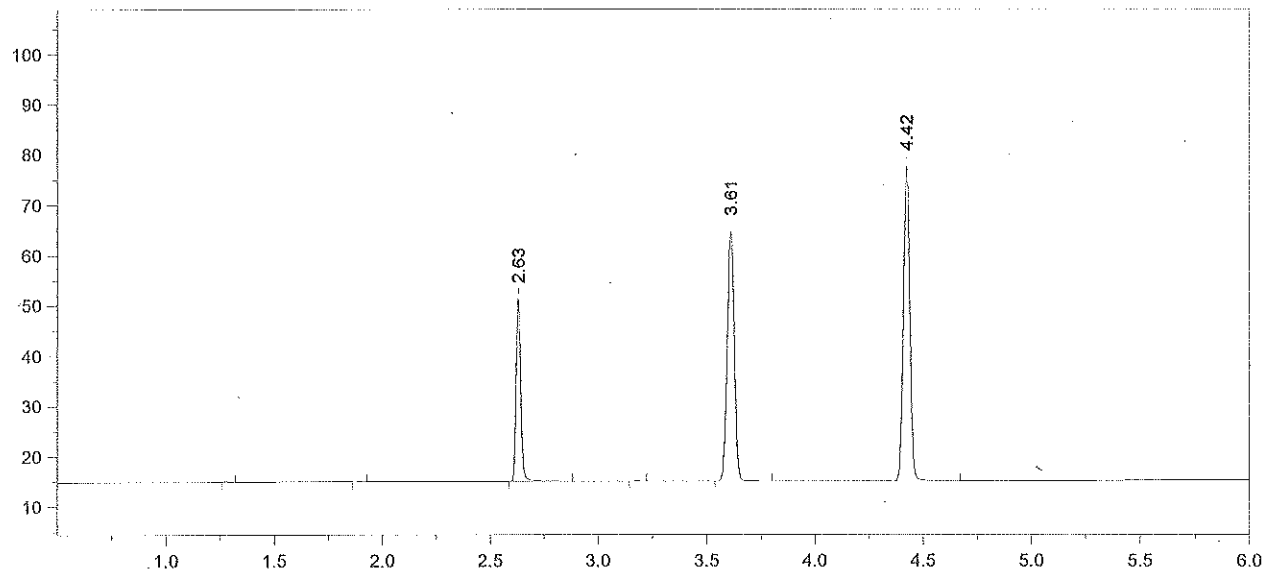


Format File Name = AlcoholVFL.FMT

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

13-04-100 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

13-04-100 96 RLM