VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster Certification Solution

On 5/10/2013, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster Certification solution. The solution was prepared per standard laboratory practice and assigned the lot number 13-05-080 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 0.080 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

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

Rebecca Mead

Rebecca Mead

0.08 Certification Solution 5L
Lot # 13-05-080
Prepared 05/10/2013 by RLM
Exp 05/10/2014

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

0.0808 alb
0.0806
0.0822
0.0807
0.0823
0.0803
0.0832
0.0799 rlm
0.0807
0.0802
0.0807
0.0785
0.0811
0.0791

Ave. = 0.0807
Std Dev. = 0.0012
Range = 0.0785-0.0832

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

0.0775 rlm
0.0792
0.0783
0.0795
0.0782
0.0792
0.0780
0.0815 alb
0.0804
0.0812
0.0802
0.0817
0.0798
0.0797

Ave. = 0.0796
Std Dev. = 0.0013
Range = 0.0775-0.0817

Total Values from Both Runs

Average	Mean
0.0808	0.0775
0.0806	0.0780
0.0822	0.0782
0.0807	0.0783
0.0823	0.0785
0.0803	0.0791
0.0832	0.0792
0.0799	
0.0807	0.0795
0.0802	0.0797
0.0807	0.0798
0.0785	0.0799
0.0811	0.0802
0.0791	
0.0775	0.0803
0.0792	0.0804
0.0783	0.0806
0.0795	0.0807
0.0782	
0.0792	
0.0780	0.0808
0.0815	0.0811
0.0804	0.0812
0.0812	0.0815
0.0802	0.0817
0.0817	0.0822
0.0798	0.0823
0.0797	0.0832

Ave. =	0.0802
Avg Std Dev. =	0.0014
Mean =	0.0802
Mean Std Dev. =	0.0015
Range =	0.0775-0.0832
RPD =	7.11%

5/20/2013

Headspace Alcohol Analysis Standards Coversheet

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

5/20/2013

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	

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

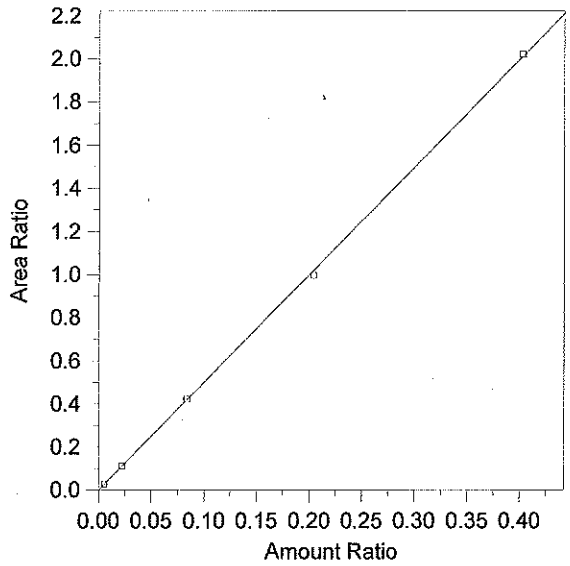
Creator:
Description:
Reason for change:

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

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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

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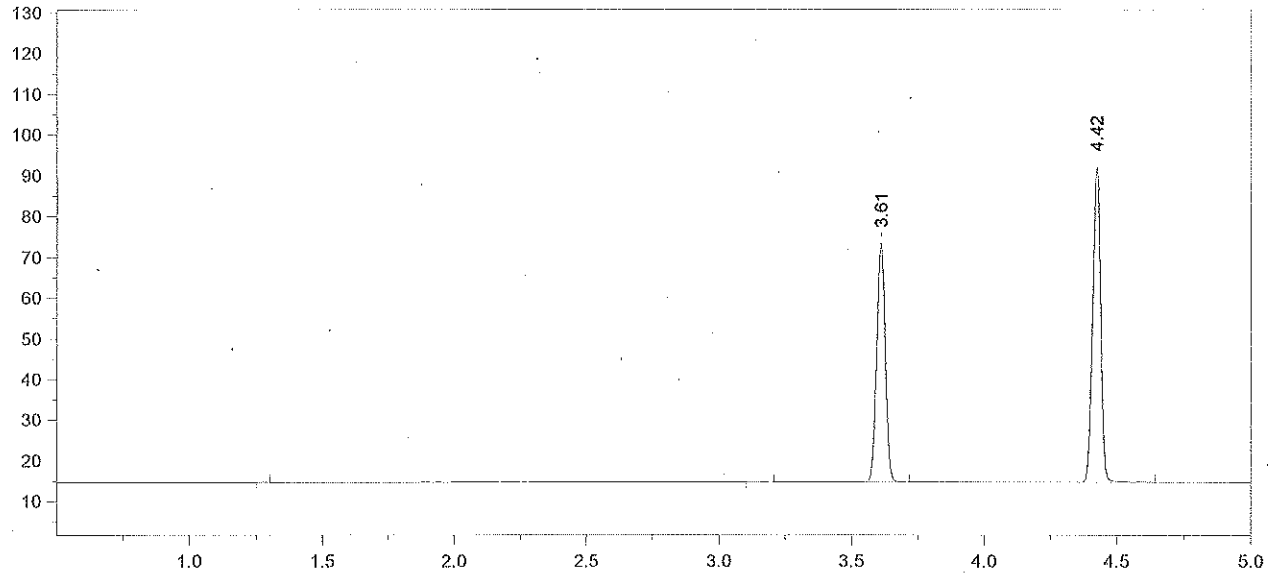
Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	VFL05132013.0063.raw	simsoln.met	0.04 RLM	1.00	1.00
64	VFL05132013.0064.raw	simsoln.met	0.04 RLM	1.00	1.00
65	VFL05132013.0065.raw	simsoln.met	0.04 RLM	1.00	1.00
66	VFL05132013.0066.raw	simsoln.met	CCS	1.00	1.00
67	VFL05132013.0067.raw	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

13-05-080 5 RLM

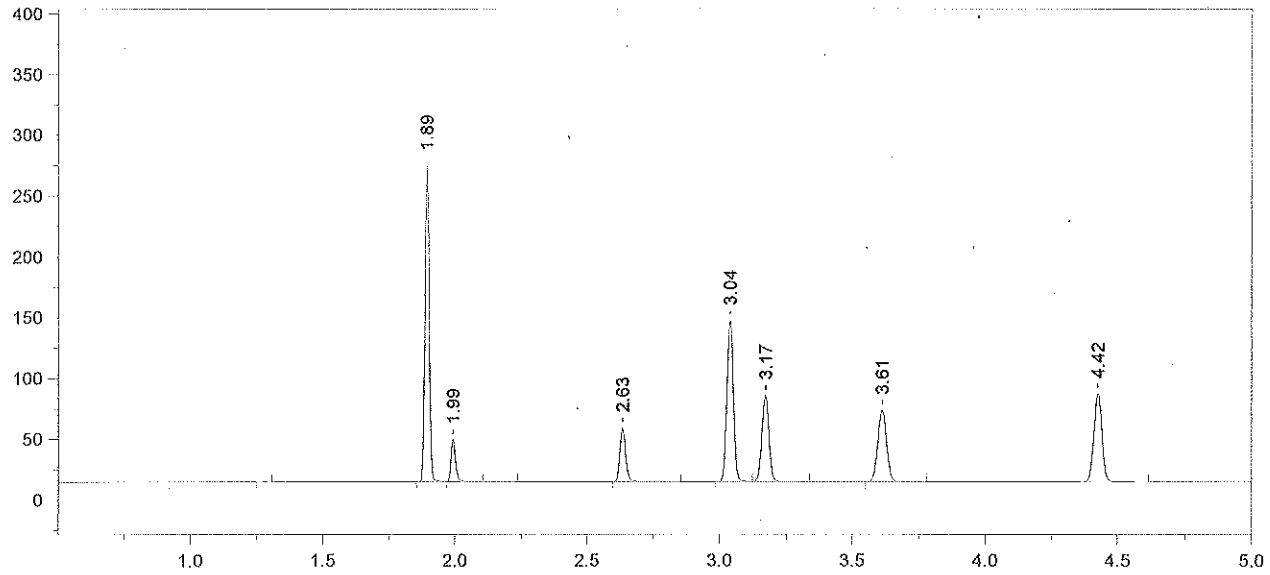


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 6 TKM



Format File Name = simsoln-JFH.met.FMT

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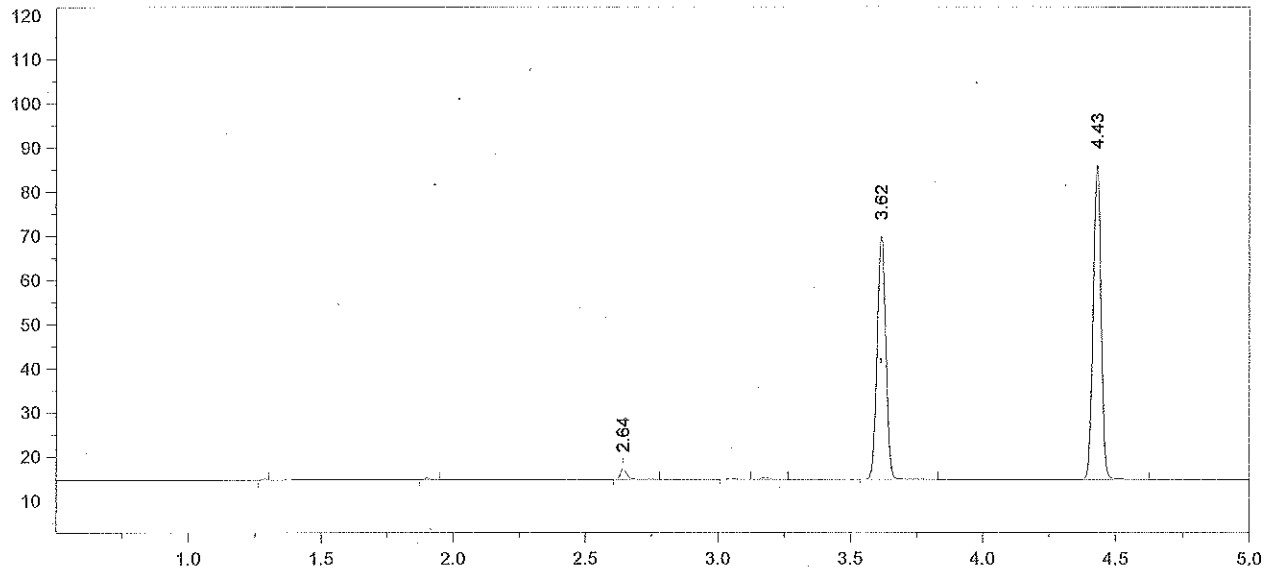
Sample Name = TMX
Date Taken = 5/13/2013 11:57:15 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

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

13-05-080 7 RKM

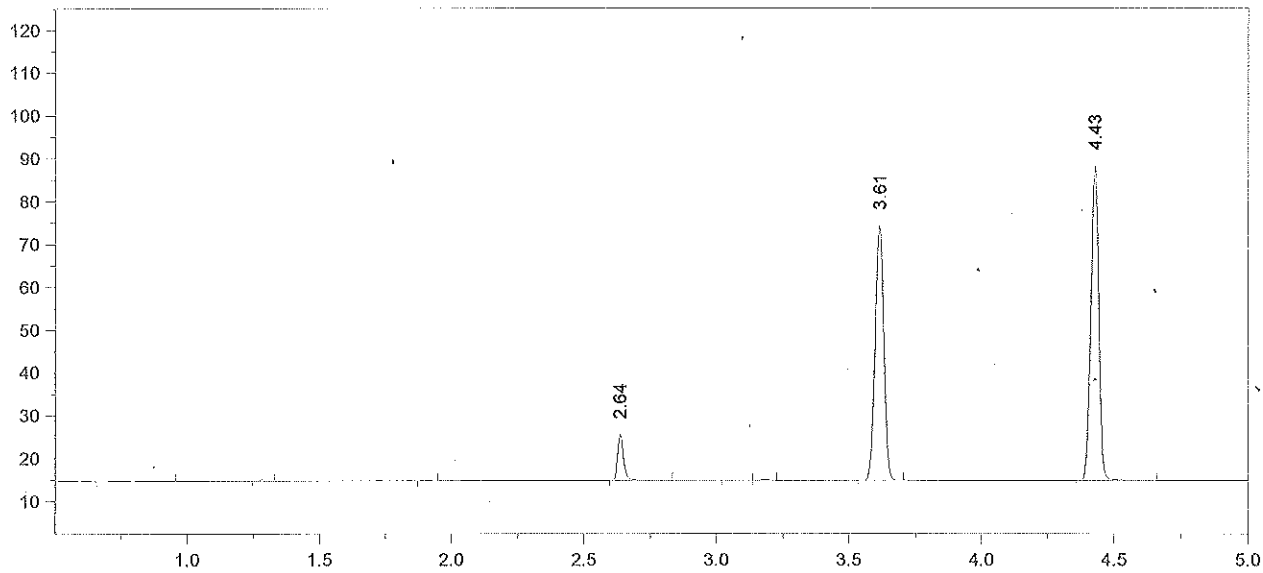


Format File Name = simsoln-JFH.met.FMT

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 K	0.0046
6	3.62	t-Butanol	127132	0.9803	0.8001
7	4.43	n-Propanol	151304	1.0000	0.8162

13-05-080 8 RLM

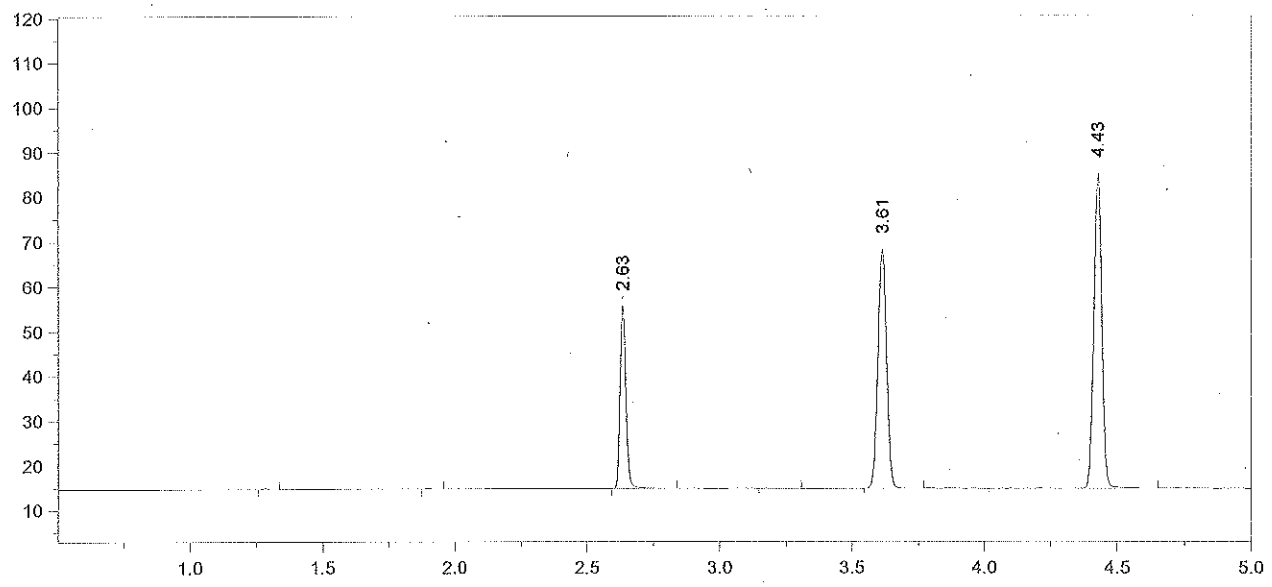


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 9 [illegible]



Format File Name = simsoln-JFH.met.FMT

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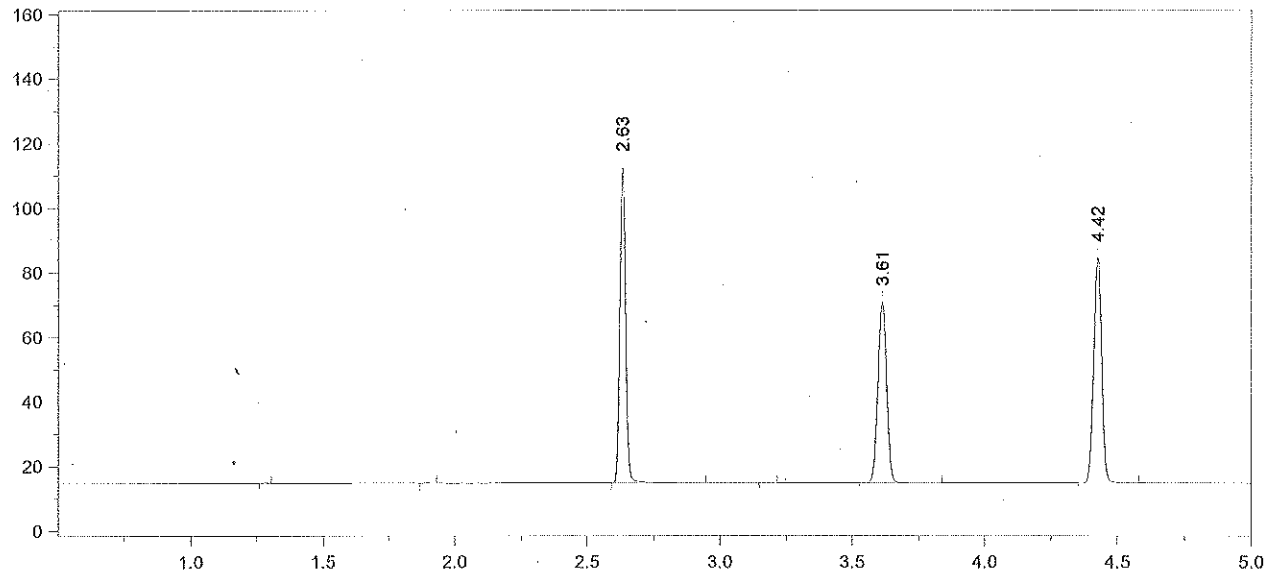
Bound File Name = VFL05132013.0005.RAW
Sample Name = Std C
Date Taken = 5/13/2013 12:42:35 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

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

13-05-080 10 KKM



Format File Name = simsoln-JFH.met.FMT

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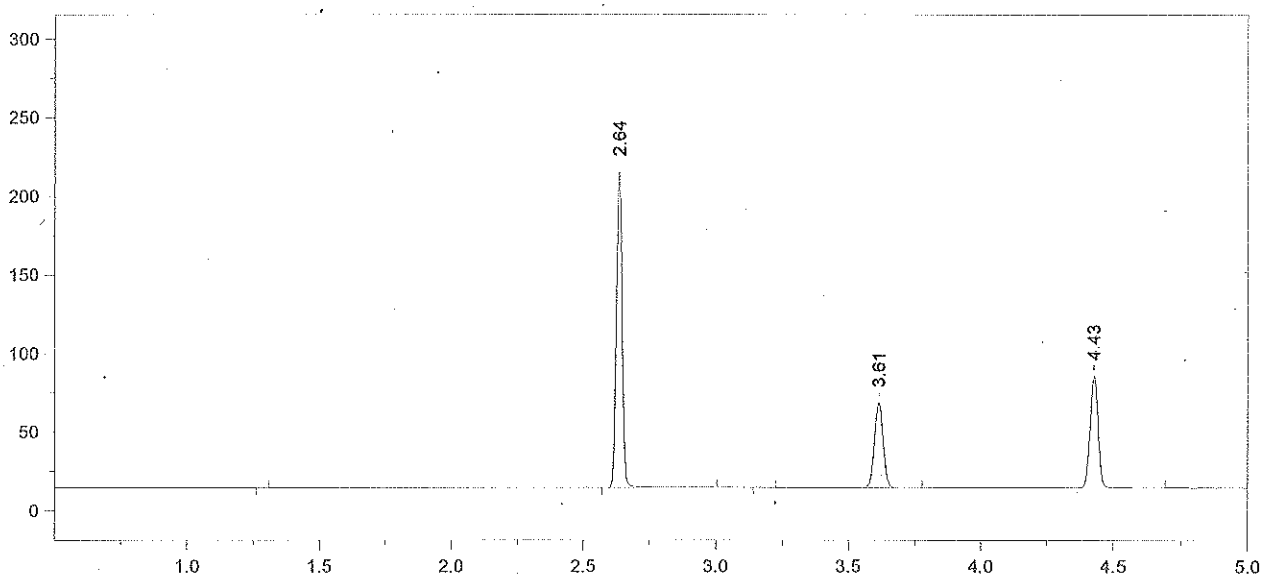
Bound File Name = VFL05132013.0006.RAW
Sample Name = Std D
Date Taken = 5/13/2013 1:00:01 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

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

13-05-080 11 RLM

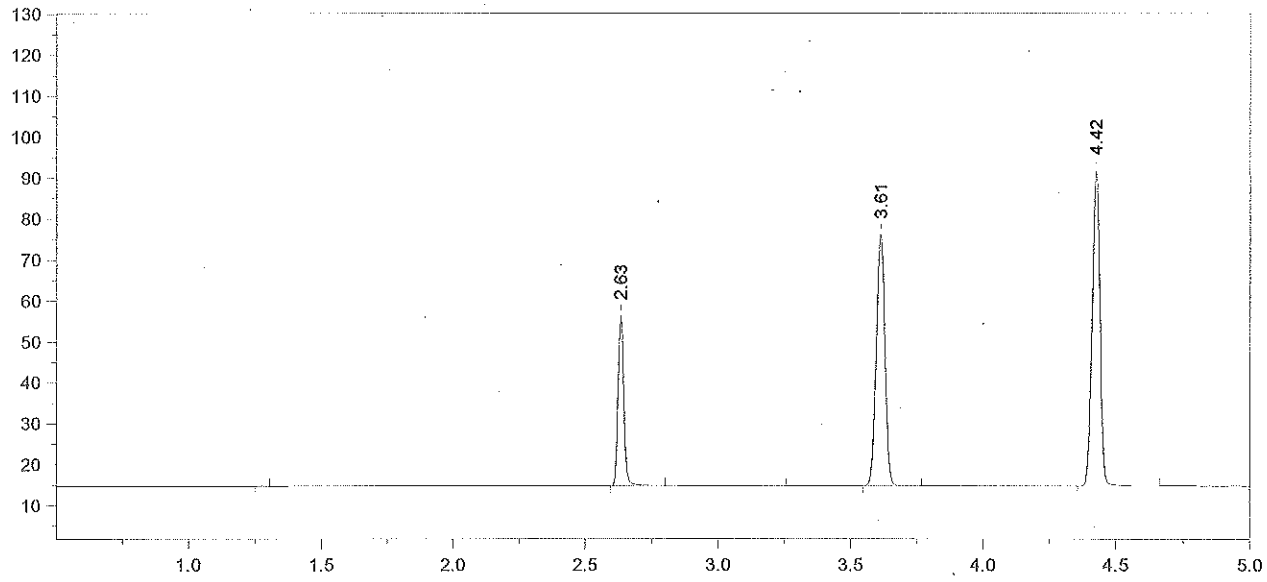


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 12 [illegible]



Format File Name = simsoln-JFH.met.FMT

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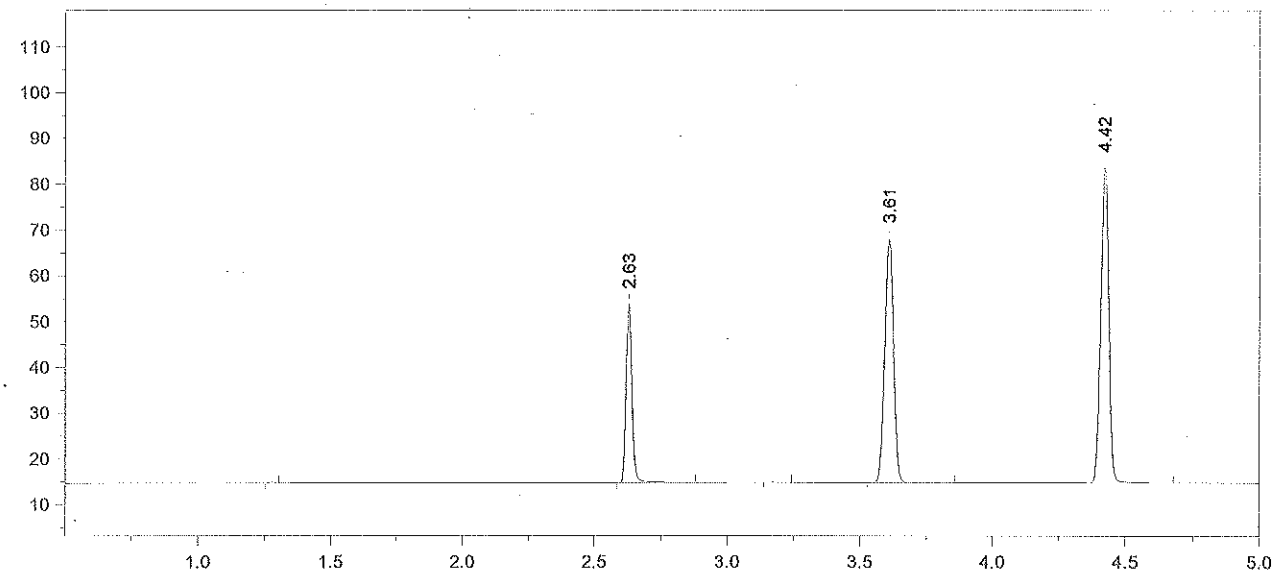
Sample Name = Aq QC
Date Taken = 5/13/2013 1:29:43 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

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

13-05-080 13 KZM



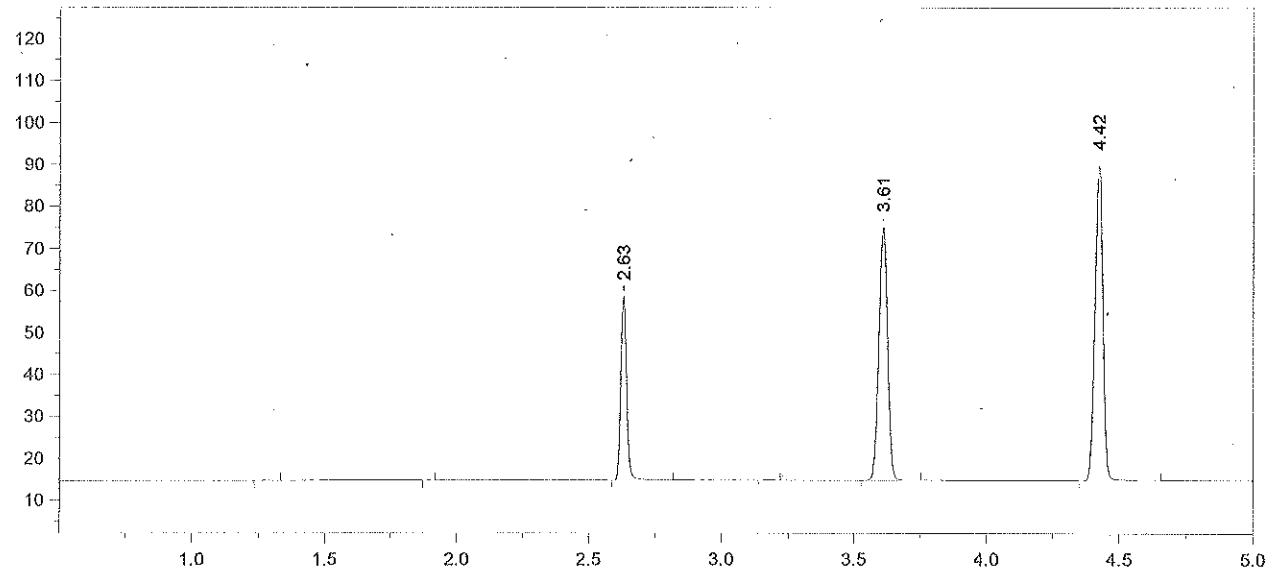
Format File Name = simsoln-JFH.met.FMT

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
RKM 5/15/13

13-05-080 14 RKM

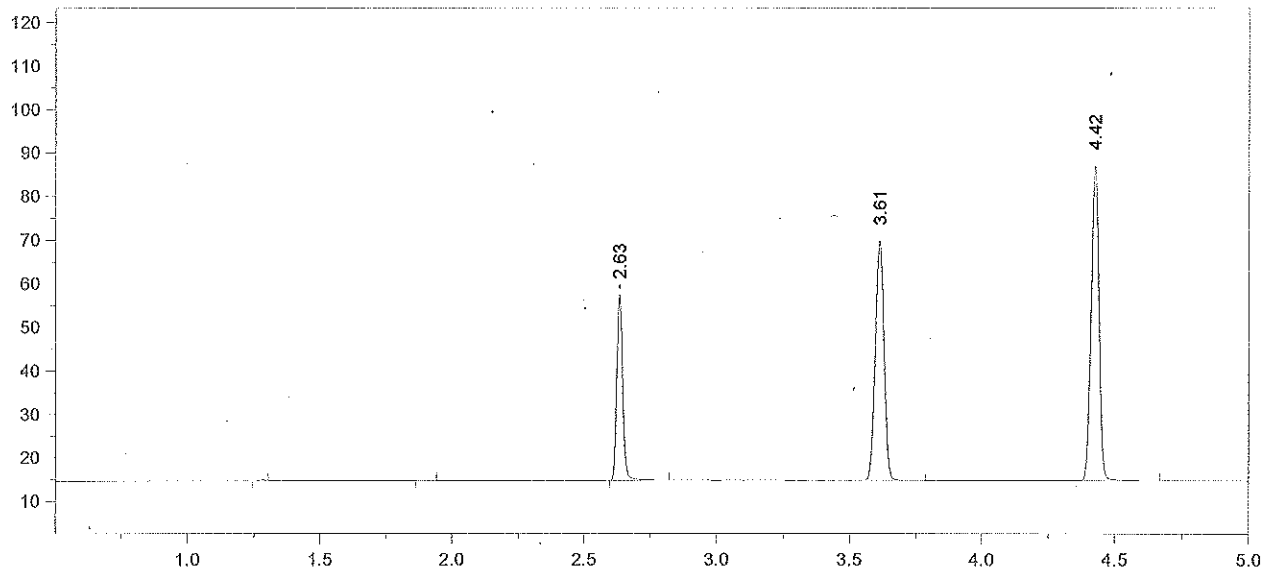


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 15 RBM



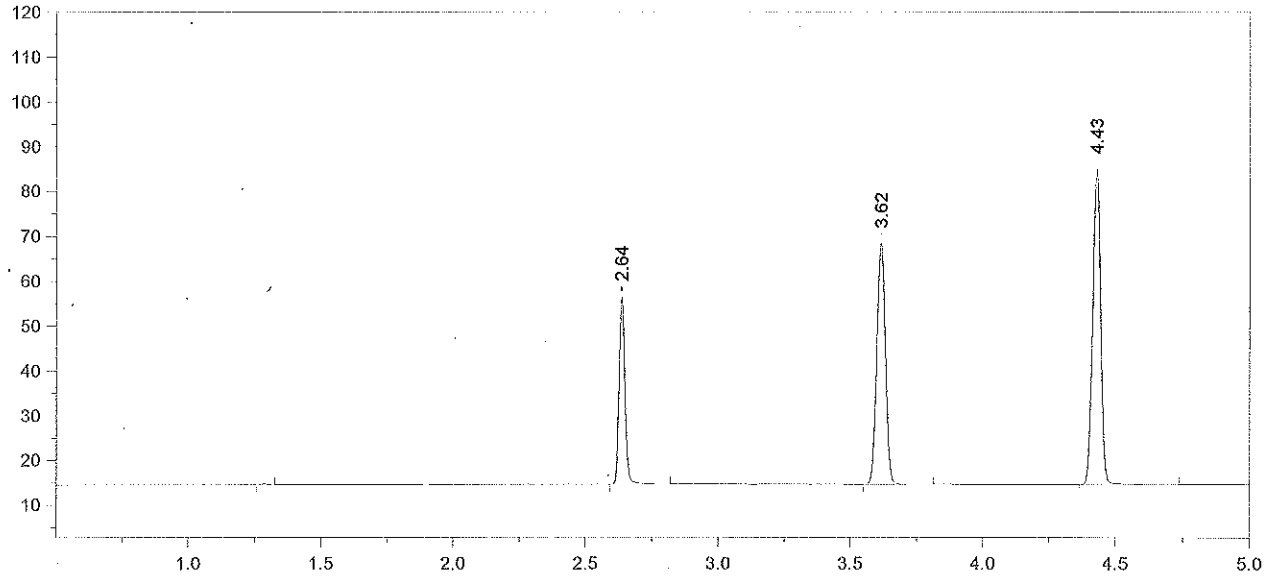
Format File Name = simsoln-JFH.met.FMT

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

13-05-080 RLM 5/20/13
~~13-06-080~~ 16 RLM

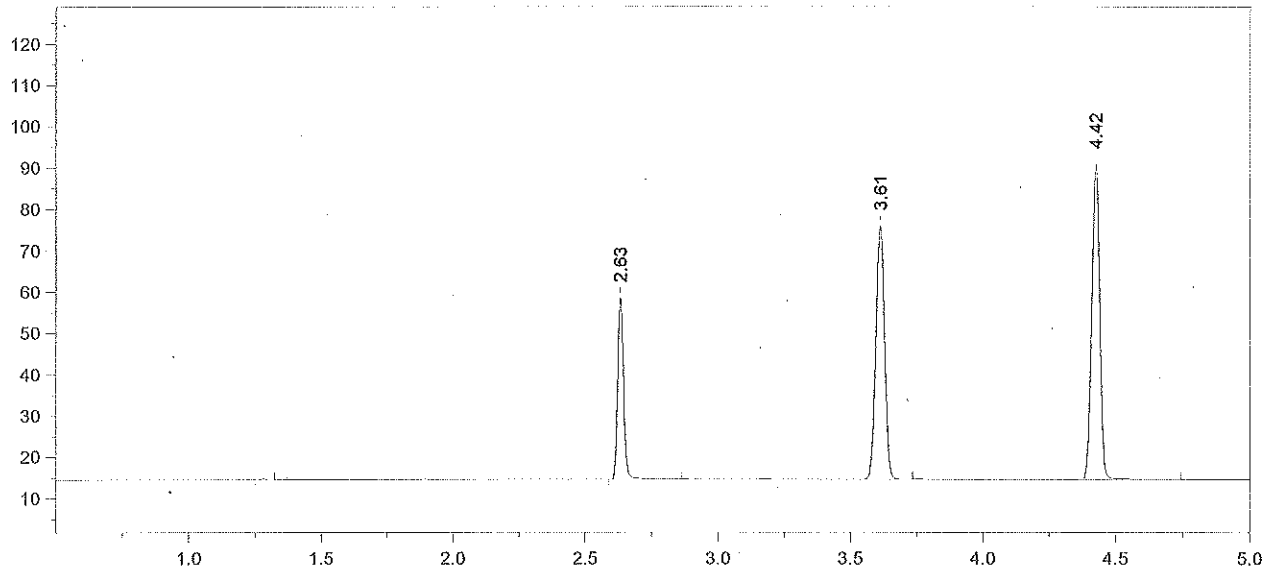


Format File Name = simsoln-JFH.met.FMT

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

13-05-080
~~13-06-~~ RLM 5/20/13 17 RLM



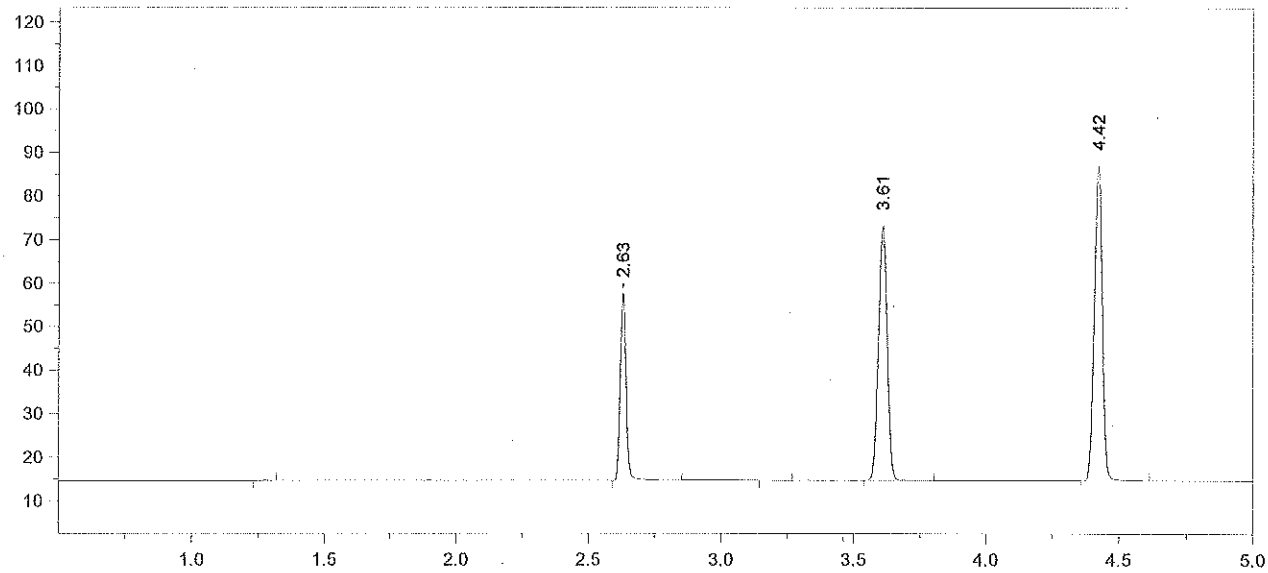
Format File Name = simsoln-JFH.met.FMT

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
RLM 5/15/13

13-05-080 18 RLM

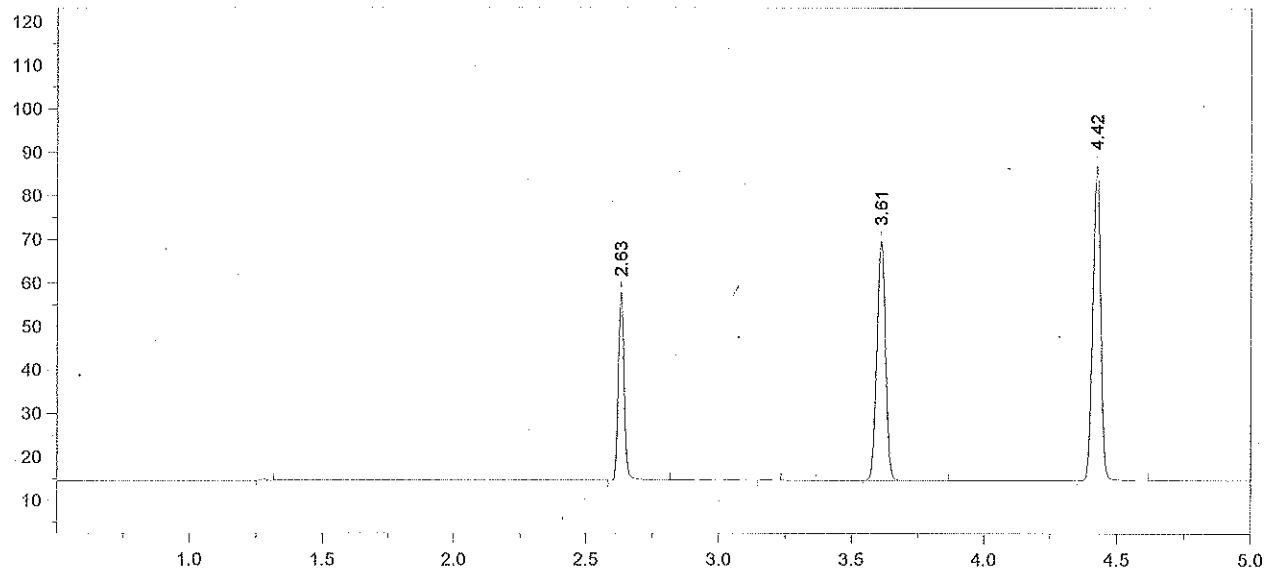


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 19 RLM



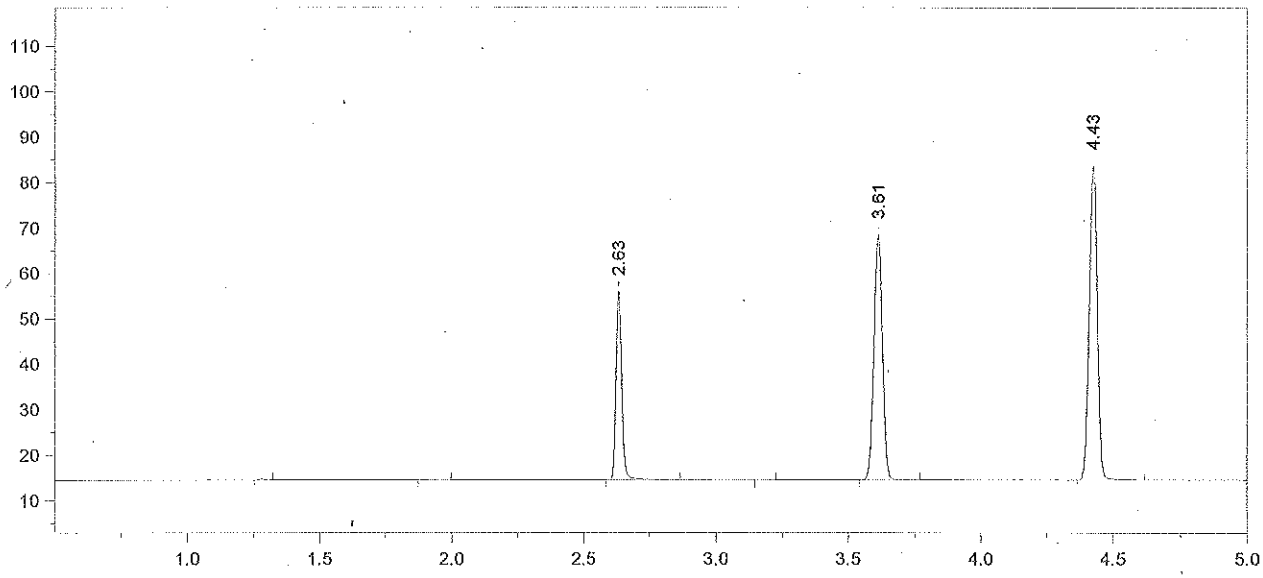
Format File Name = simsoln-JFH.met.FMT

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
RLM 5/15/13

13-05-080 20 RLM

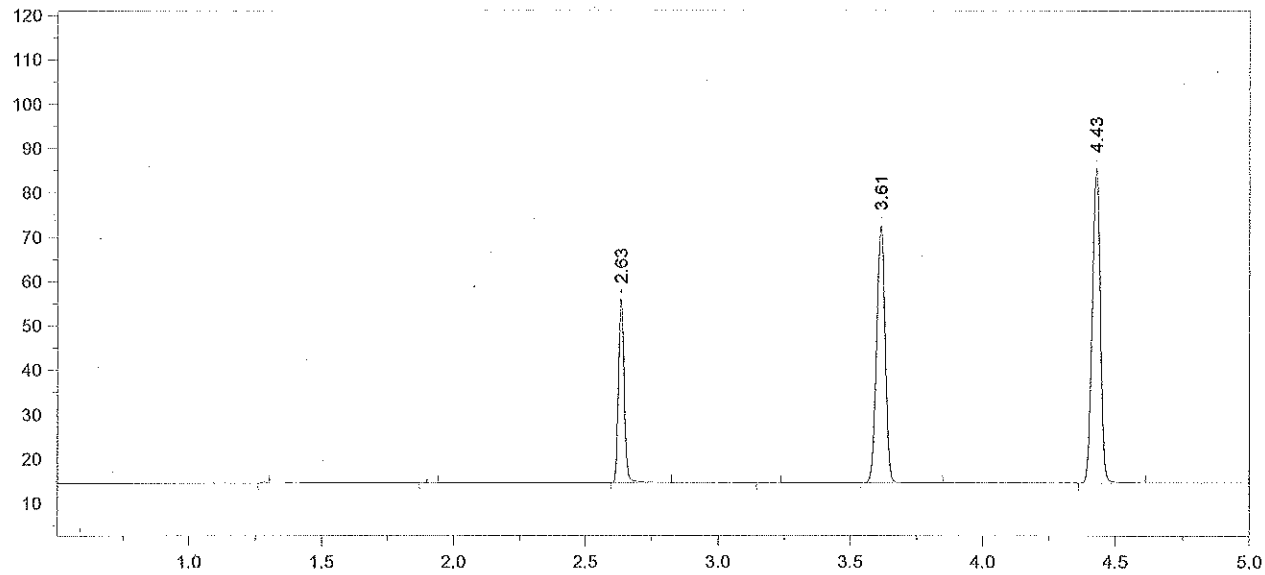


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 21 RLM



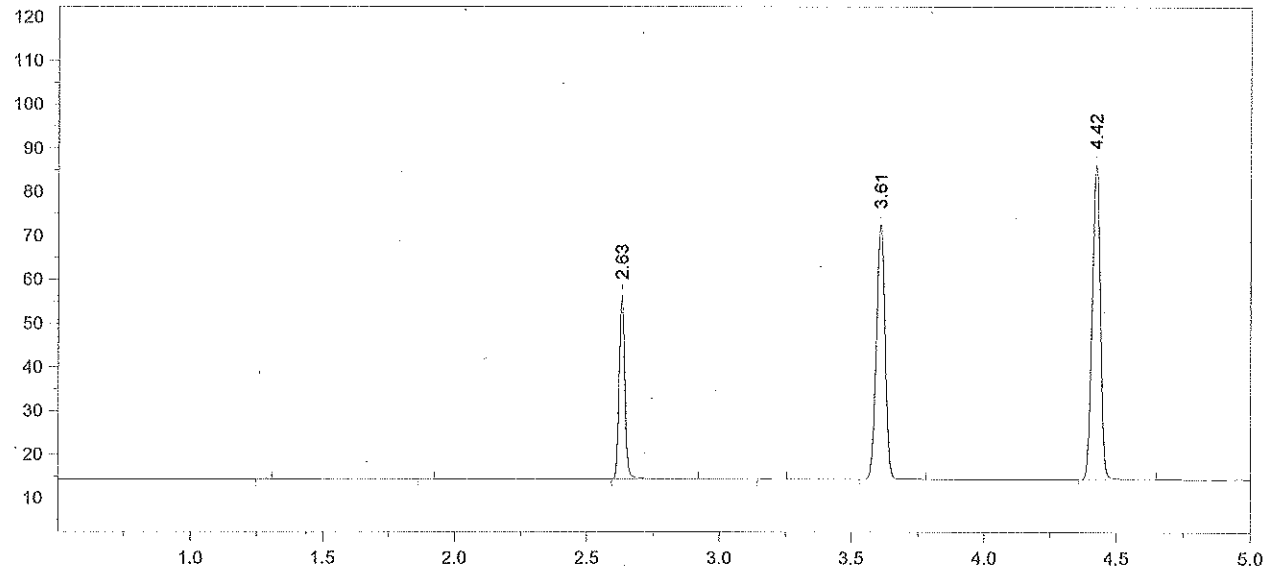
Format File Name = simsoln-JFH.met.FMT

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
RLM 5/15/13

13-05-080 22 RLM

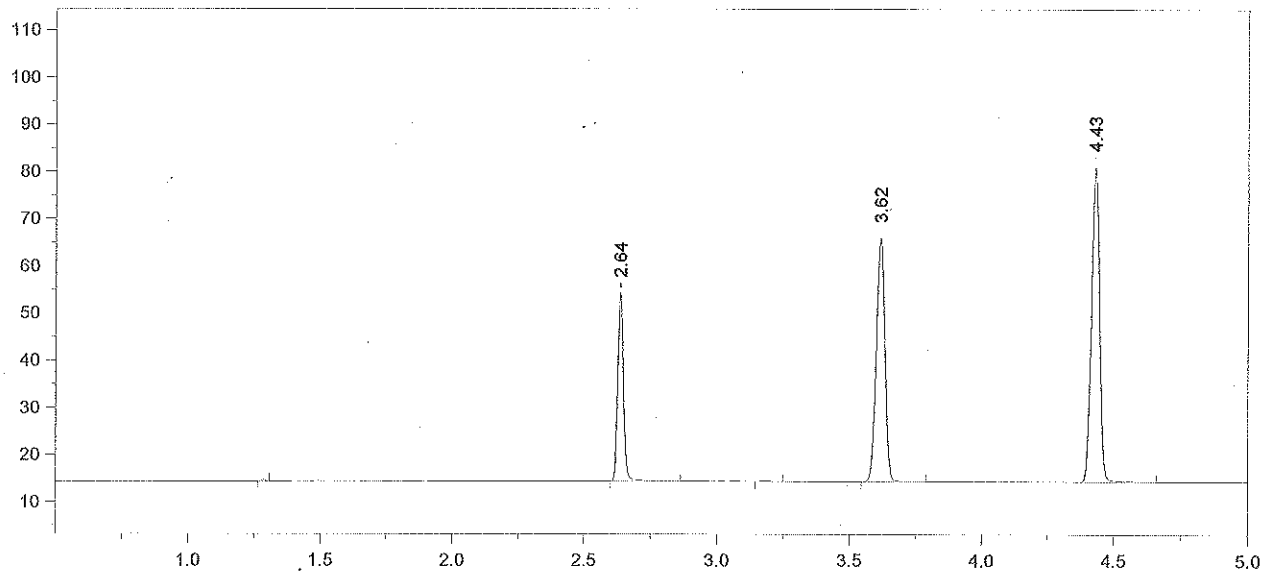


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 23 RZM



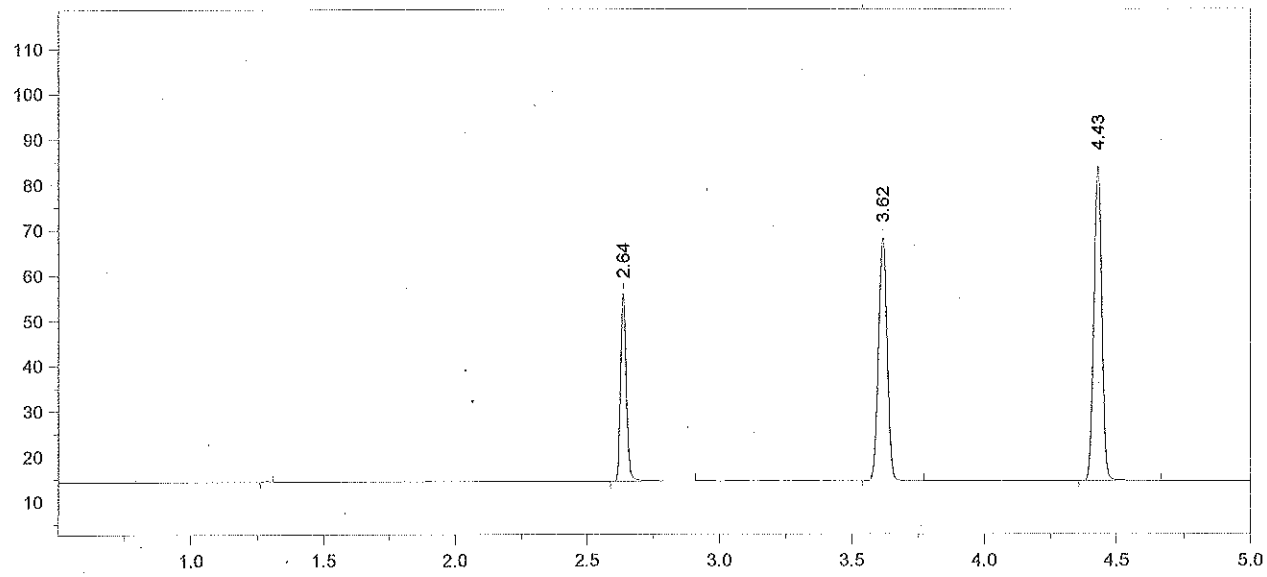
Format File Name = simsoln-JFH.met.FMT

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

13-05-080 24 RLM

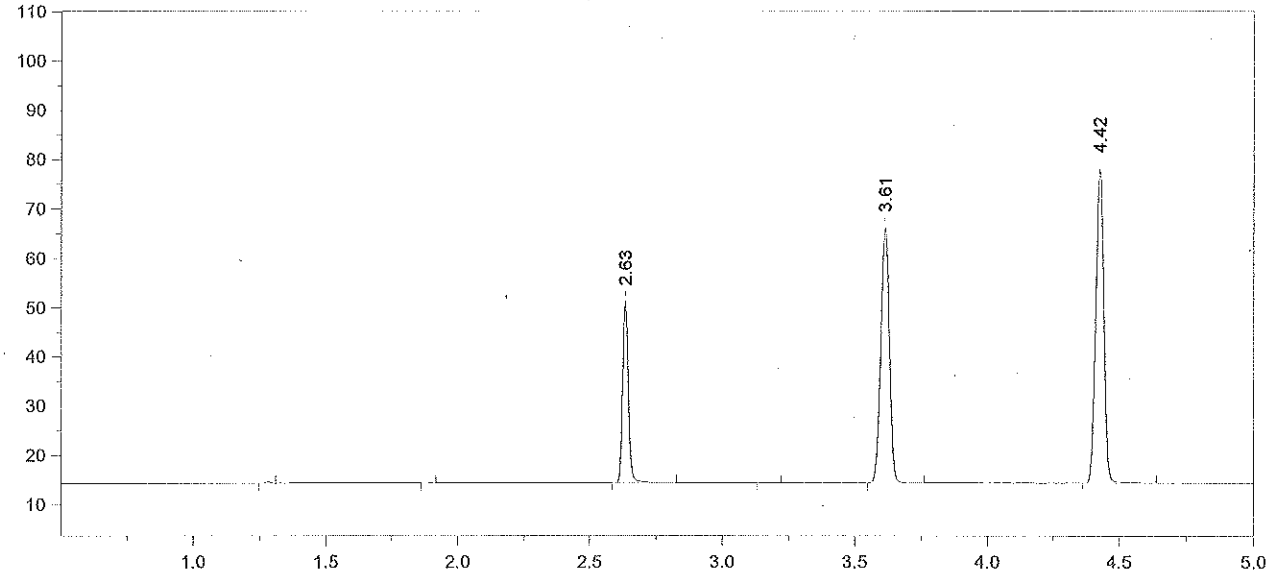


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 25 RZM



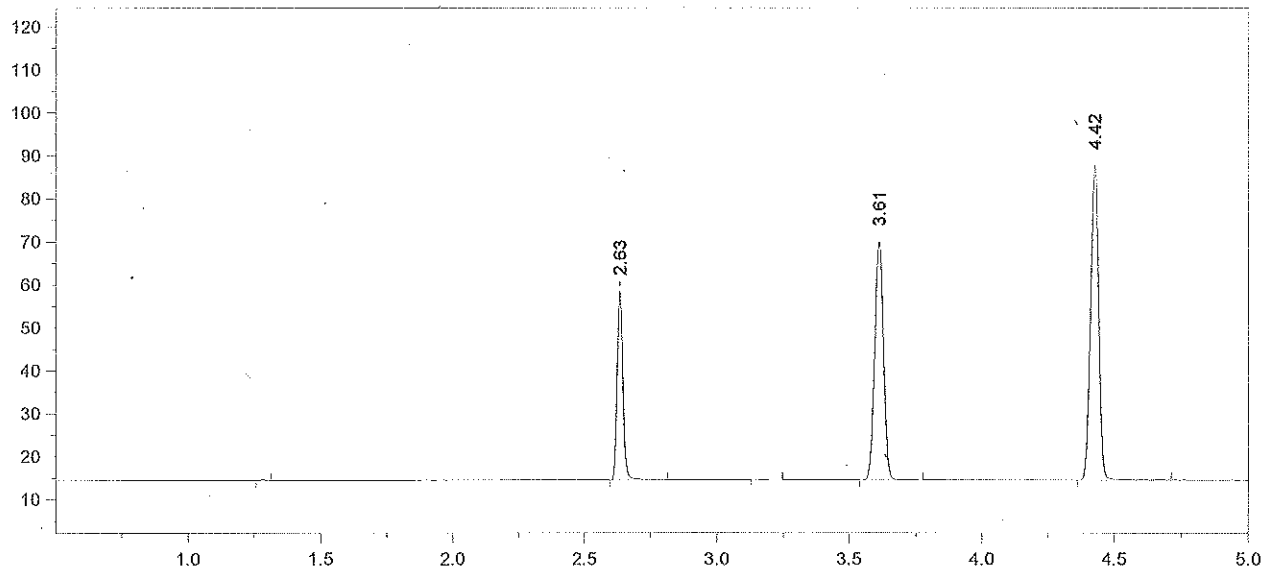
Format File Name = simsoln-JFH.met.FMT

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

13-05-080 26 RLM

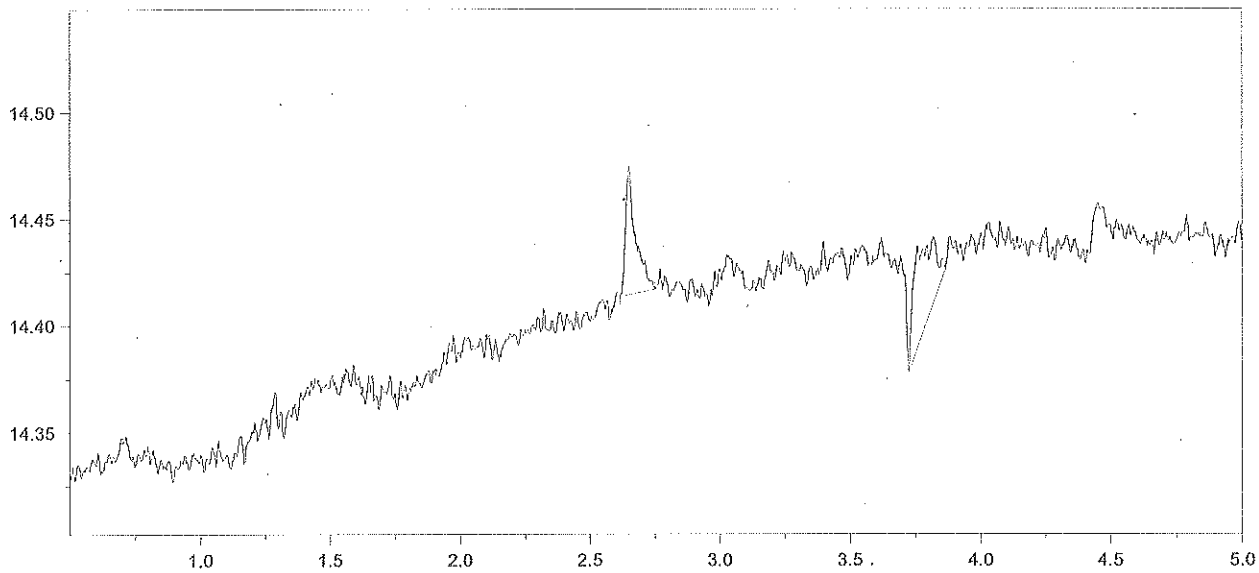


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 27 KLM



Format File Name = simsoln-JFH.met.FMT

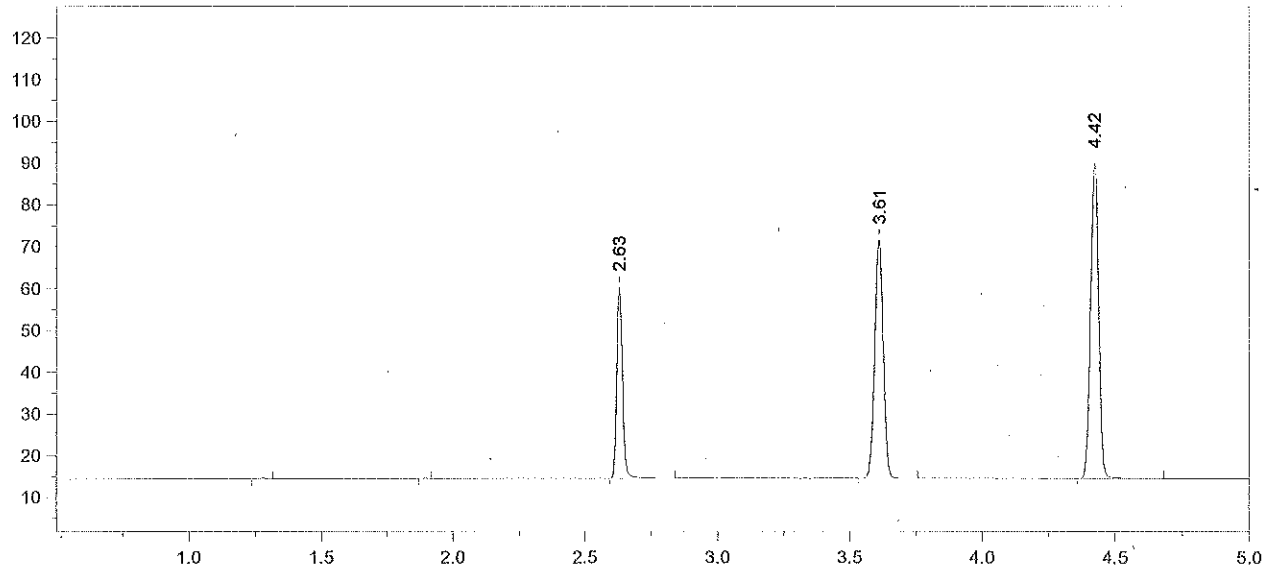
Today's Date = 5/14/2013 Today's Time = 8:25:54 AM
Bound File Name = VFL05132013.0058.RAW
Sample Name = CCS
Date Taken = 5/14/2013 8:25:49 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05132013.CAL Calibration Version = 7

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

13-05-080 28 RLM



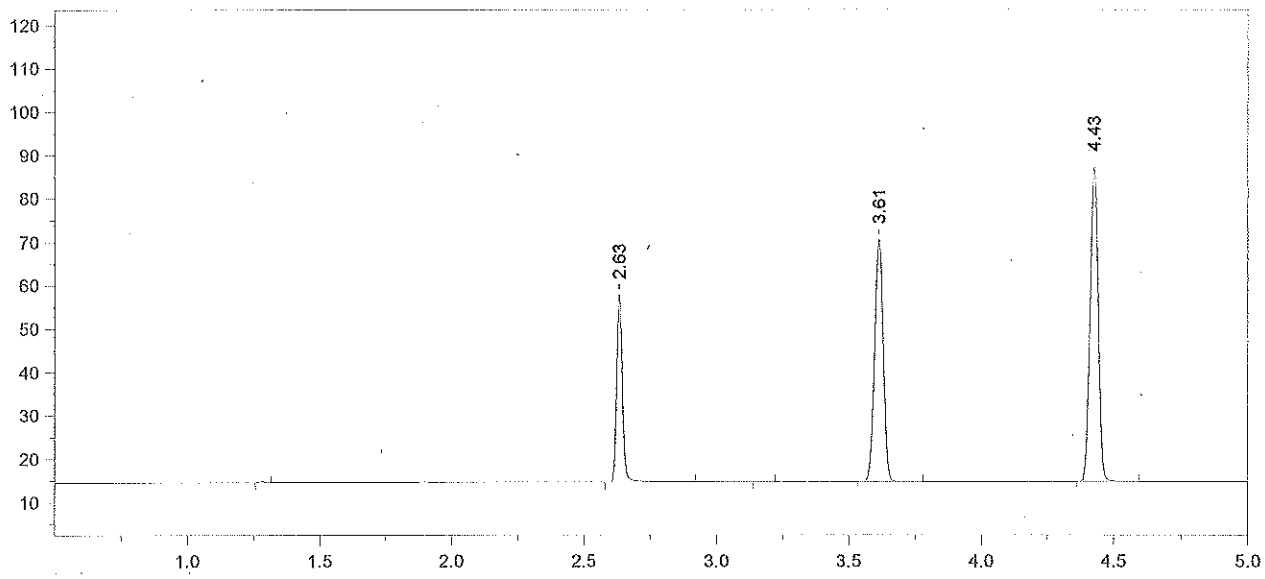
Format File Name = simsoln-JFH.met.FMT

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

13-05-080 29 RLM

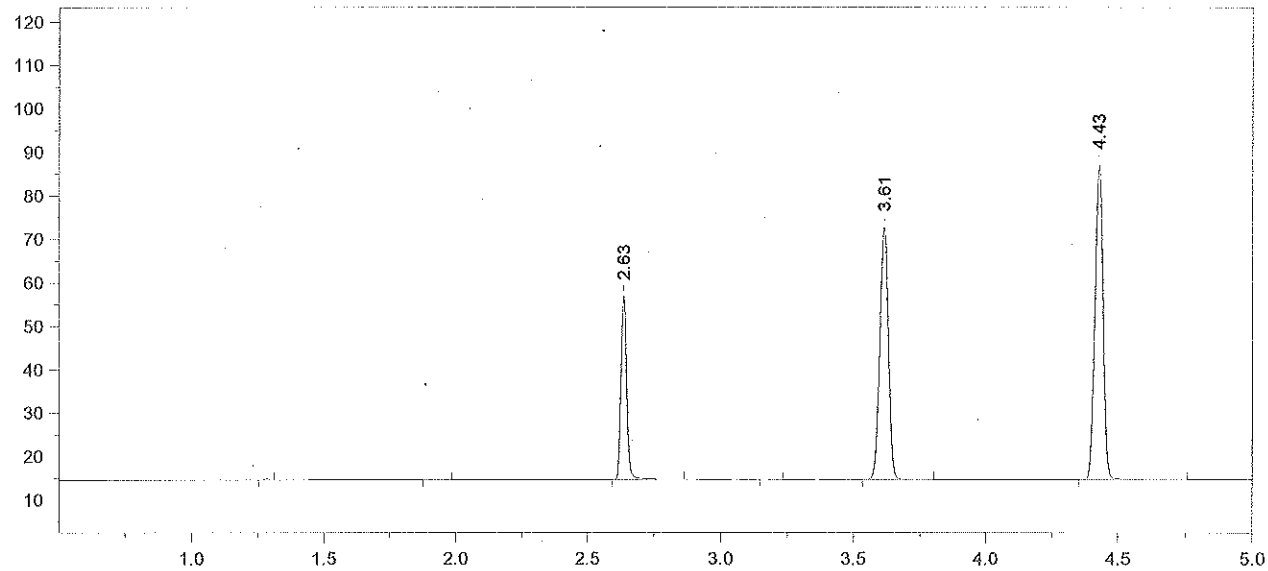


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 10:59:34 AM
Bound File Name = VFL05132013.0067.RAW (val 06)
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

13-05-080 30 RLM



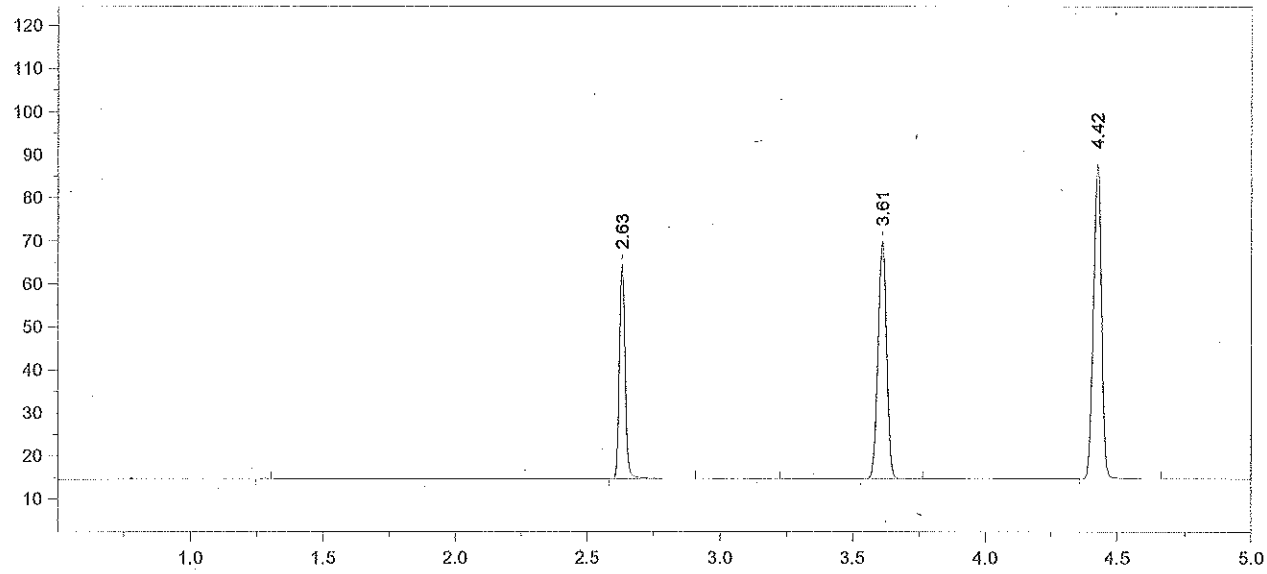
Format File Name = simsoln-JFH.met.FMT

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

13-05-080 31 RLM

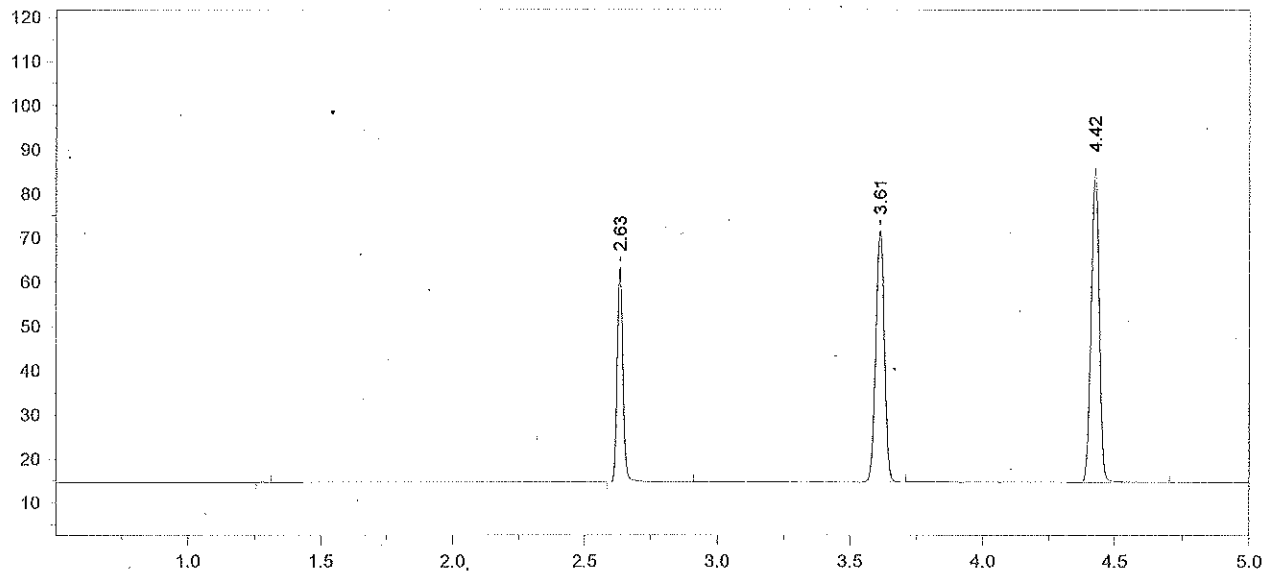


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 11:31:33 AM
Bound File Name = VFL05132013.0069.RAW (ical 68)
Sample Name = 0.08 ALB
RLM 5/15/13
Date Taken = 5/14/2013 11:31:27 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	76117	0.0989	0.0808
4	3.61	t-Butanol	127147	0.9623	0.7855
5	4.42	n-Propanol	154147	1.0000	0.8162

13-05-080 32 RLM

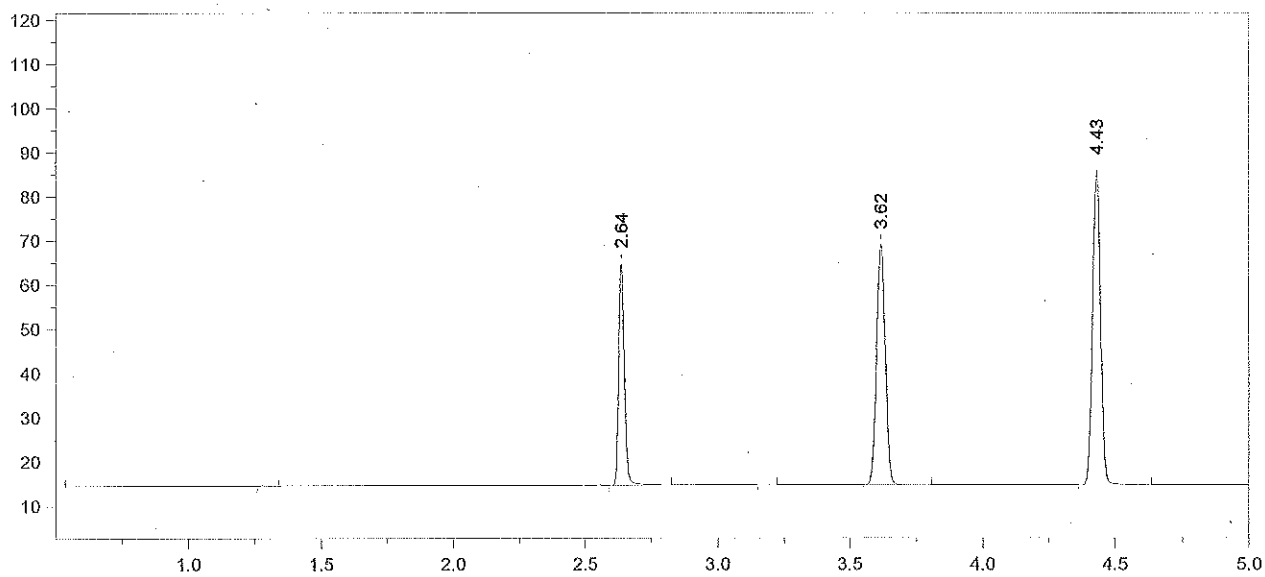


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 11:49:09 AM
Bound File Name = VFL05132013.0070.RAW (vial 69)
Sample Name = 0.08 ALB RLM 5/15/13
Date Taken = 5/14/2013 11:49:05 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	74212	0.0987	0.0806
3	3.61	t-Butanol	131354	1.0174	0.8304
4	4.42	n-Propanol	150626	1.0000	0.8162

13-05-080 33 RLM

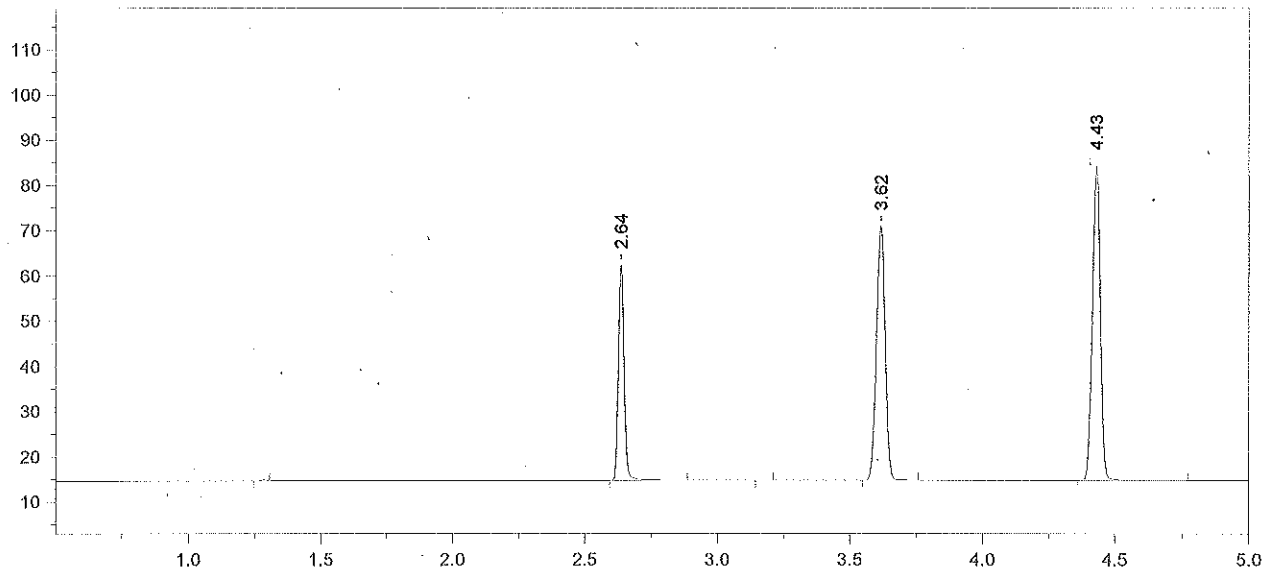


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 12:02:22 PM
Bound File Name = VFL05132013.0071.RAW (vial 70)
Sample Name = 0.08 ALB
RJM 5/15/13
Date Taken = 5/14/2013 12:02:18 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	75431	0.1007	0.0822
5	3.62	t-Butanol	124870	0.9707	0.7923
6	4.43	n-Propanol	150086	1.0000	0.8162

13-05-080 34 RJM

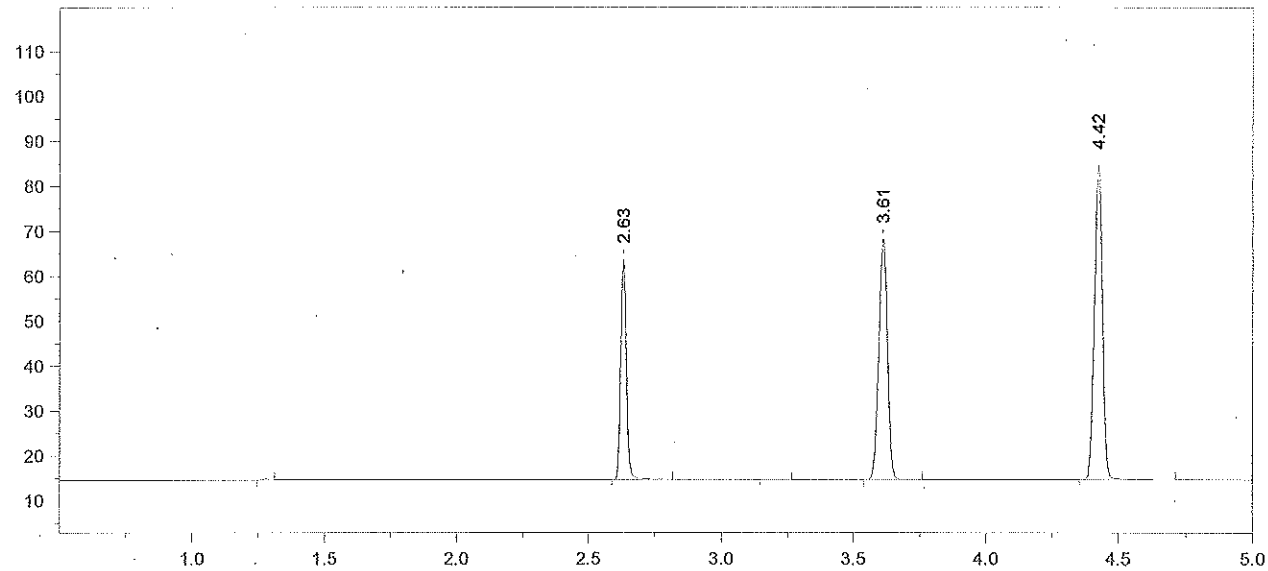


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 12:20:35 PM
Bound File Name = VFL05132013.0072.RAW (val 71)
Sample Name = 0.08 ALB
RLM 5/15/13
Date Taken = 5/14/2013 12:20:30 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	2.64	Ethanol	72254	0.0988	0.0807
4	3.62	t-Butanol	128908	1.0265	0.8379
5	4.43	n-Propanol	146508	1.0000	0.8162

13-05-080 35 RLM

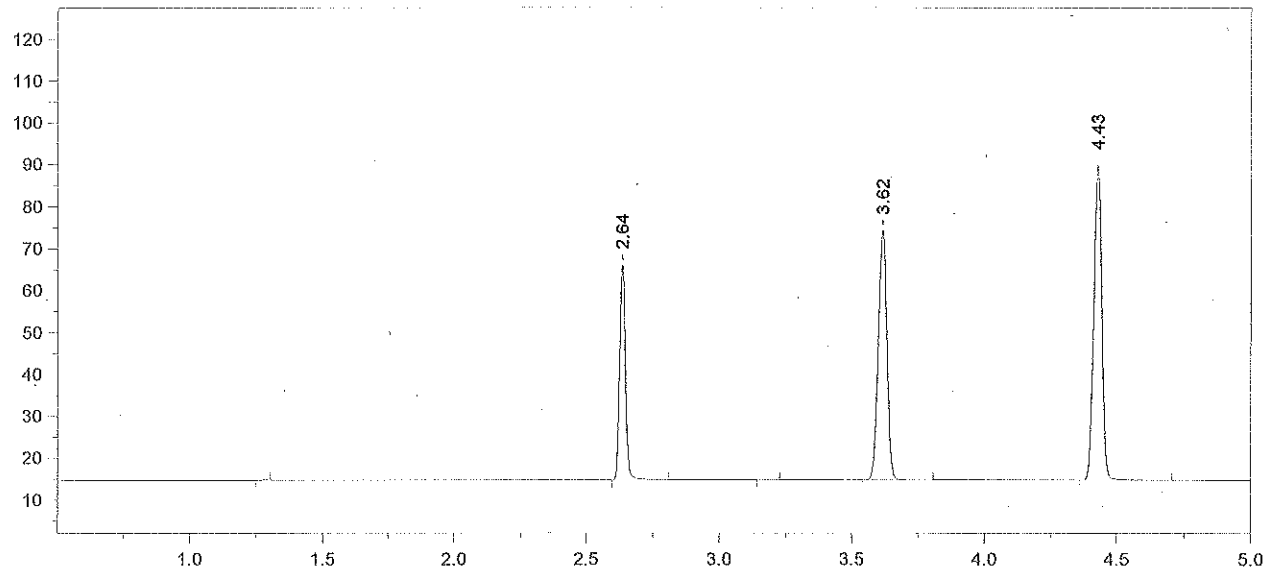


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 12:34:23 PM
Bound File Name = VFL05132013.0073.RAW (nal 72)
Sample Name = 0.08 ALB RLM 5/15/13
Date Taken = 5/14/2013 12:34:18 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	74532	0.1009	0.0823
4	3.61	t-Butanol	122990	0.9691	0.7910
5	4.42	n-Propanol	148062	1.0000	0.8162

13-05-080 36 RLM

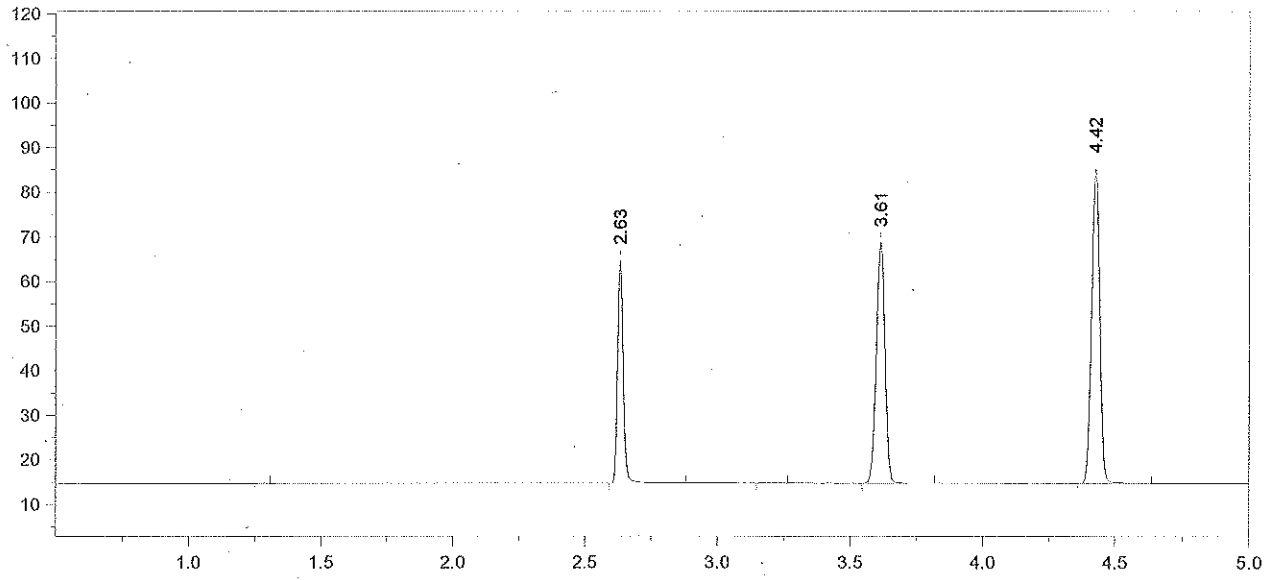


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 12:50:17 PM
Bound File Name = VFL05132013.0074.RAW (ical 73)
Sample Name = 0.08 ALB RLM 5/15/13
Date Taken = 5/14/2013 12:50:11 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	78034	0.0984	0.0803
4	3.62	t-Butanol	138200	1.0148	0.8283
5	4.43	n-Propanol	158889	1.0000	0.8162

13-05-080 37 RLM

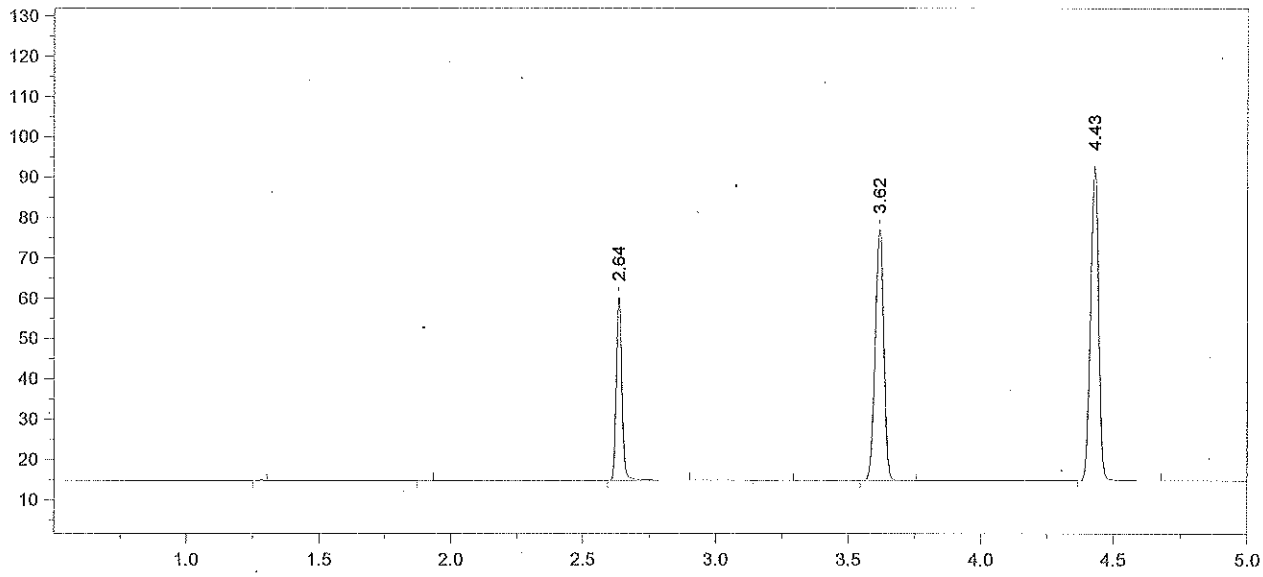


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 1:05:44 PM
Bound File Name = VFL05132013.0075.RAW (vial 74)
Sample Name = ~~ccs~~ 0.08 ALB RZM 5/15/13 RZM 5/15/13
Date Taken = 5/14/2013 1:05:35 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
2	2.63	Ethanol	75956	0.1019	0.0832
4	3.61	t-Butanol	124200	0.9700	0.7917
5	4.42	n-Propanol	149382	1.0000	0.8162

13-05-080 38 RZM

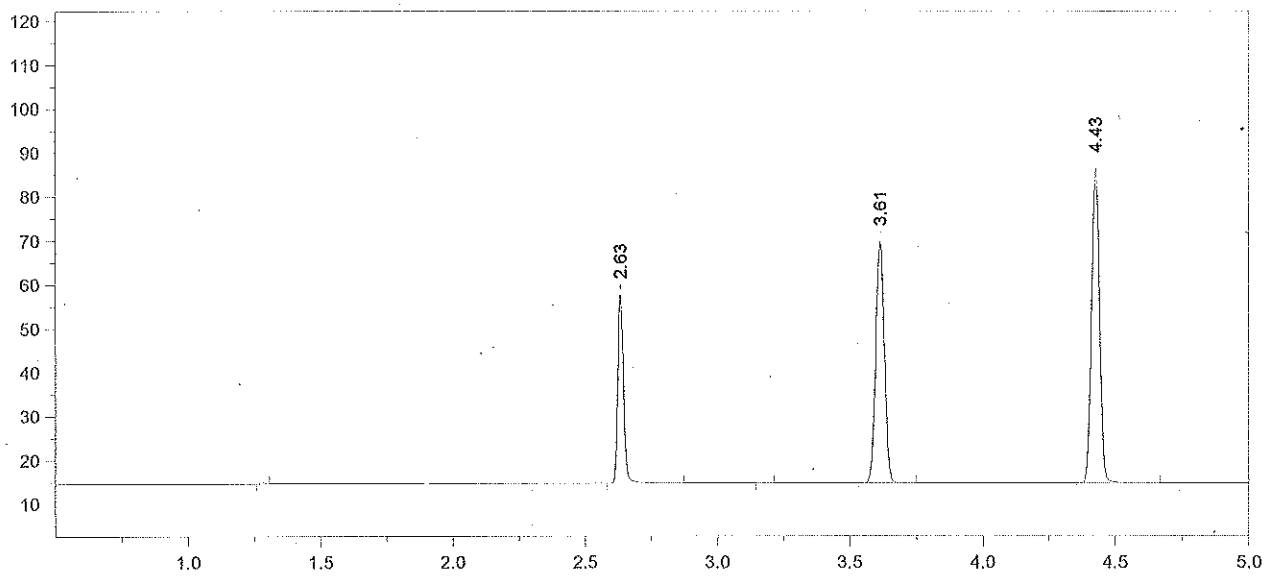


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 39 RLM



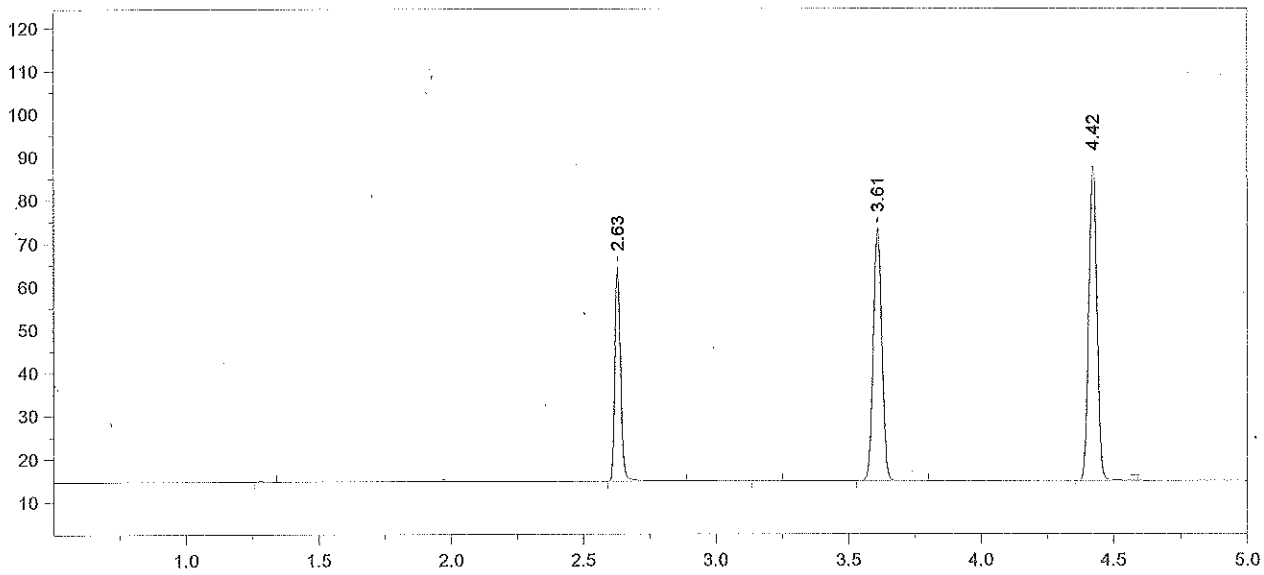
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 1:35:23 PM
Bound File Name = VFL05132013.0077.RAW (ind 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

13-05-080 40 RLM

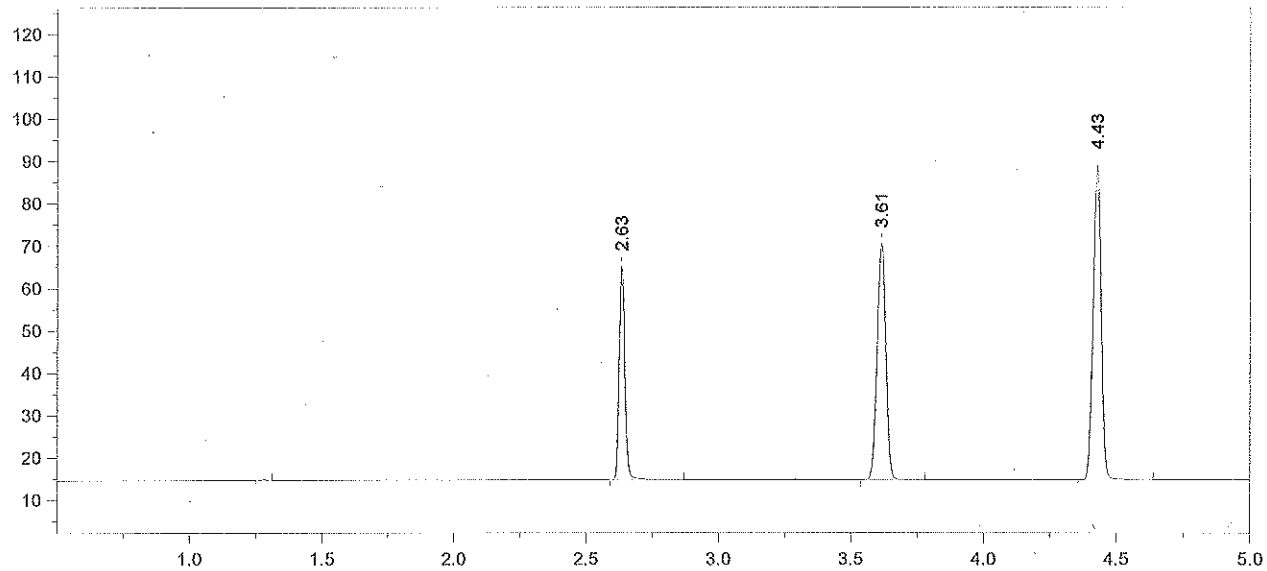


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 1:52:04 PM
Bound File Name = VFL05132013.0078.RAW (nal77)
Sample Name = 0.08 RLM RLM 5/15/13
Date Taken = 5/14/2013 1:51:55 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	75600	0.0979	0.0799
4	3.61	t-Butanol	134738	1.0164	0.8296
5	4.42	n-Propanol	154669	1.0000	0.8162

13-05-080 41 RLM

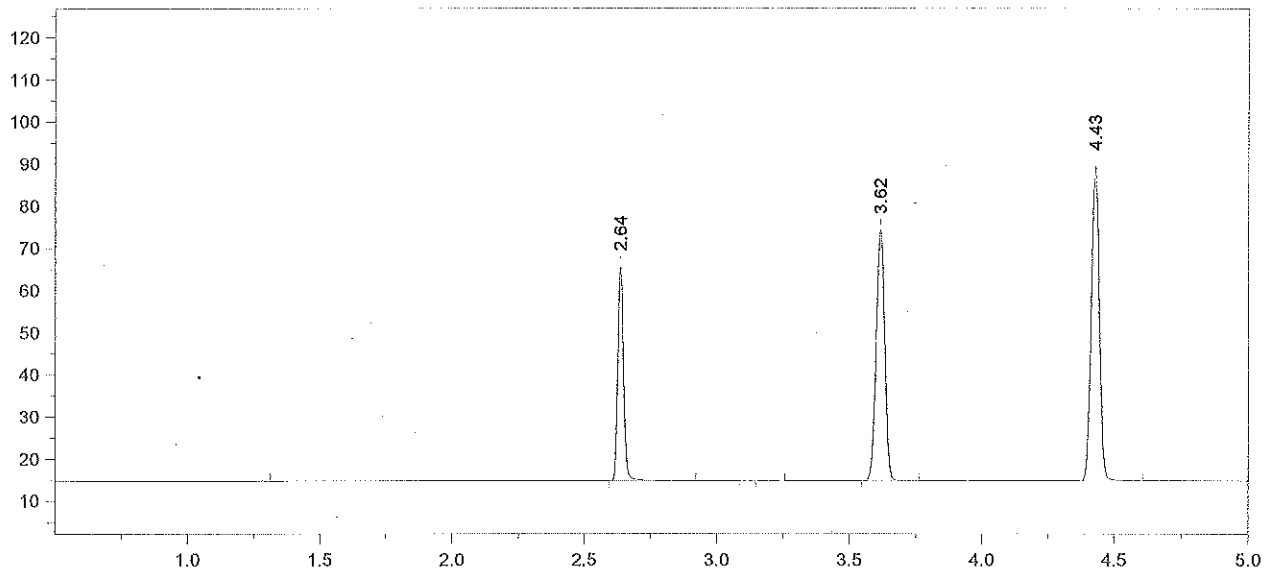


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 2:05:58 PM
Bound File Name = VFL05132013.0079.RAW (vial 78)
Sample Name = 0.08 RLM RLM 5/15/13
Date Taken = 5/14/2013 2:05:53 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
2	2.63	Ethanol	76827	0.0988	0.0807
3	3.61	t-Butanol	128557	0.9631	0.7861
4	4.43	n-Propanol	155739	1.0000	0.8162

13-05-080 42 RLM

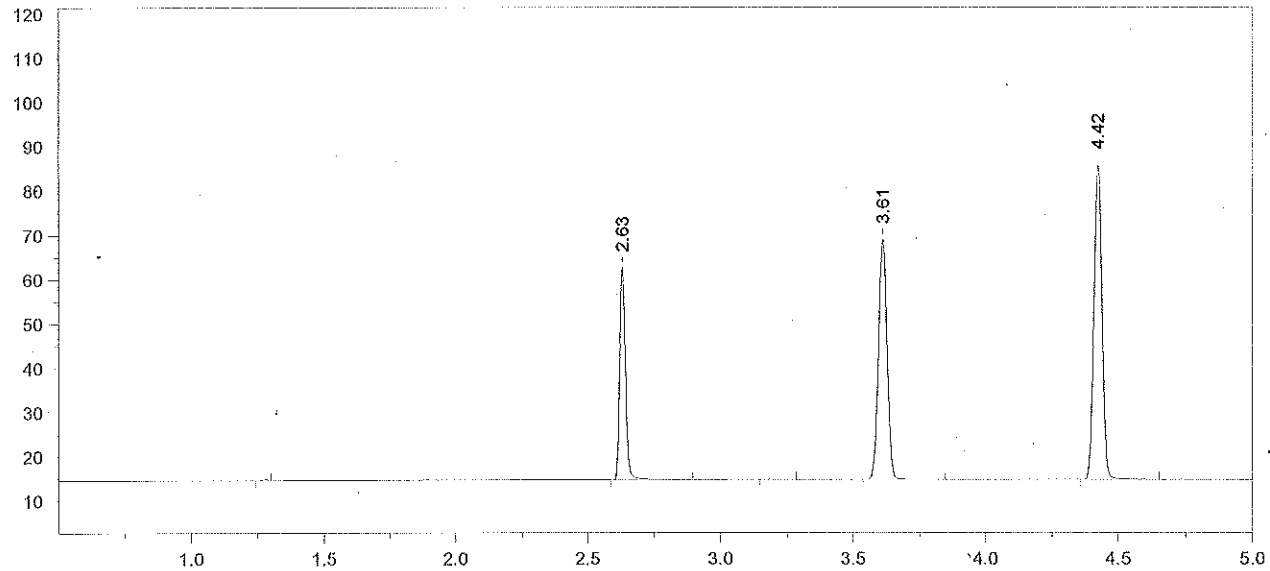


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 2:23:27 PM
Bound File Name = VFL05132013.0080.RAW (vial 79)
Sample Name = 0.08 RLM RLM 5/15/13
Date Taken = 5/14/2013 2:23:21 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	77317	0.0983	0.0802
4	3.62	t-Butanol	137333	1.0168	0.8299
5	4.43	n-Propanol	157584	1.0000	0.8162

13-05-080 43 RLM

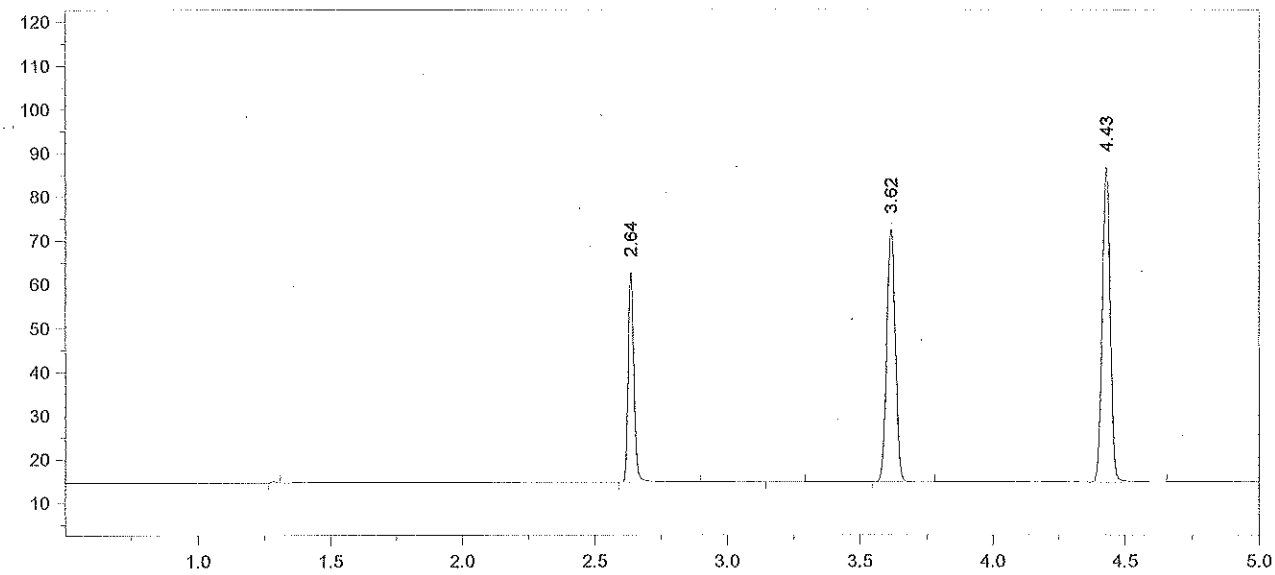


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 2:37:03 PM
Bound File Name = VFL05132013.0081.RAW (incl 80)
Sample Name = 0.08 RLM
RLM 5/15/13
Date Taken = 5/14/2013 2:36:57 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	73751	0.0989	0.0807
4	3.61	t-Butanol	125316	0.9785	0.7987
5	4.42	n-Propanol	149413	1.0000	0.8162

13-05-080 44 RLM

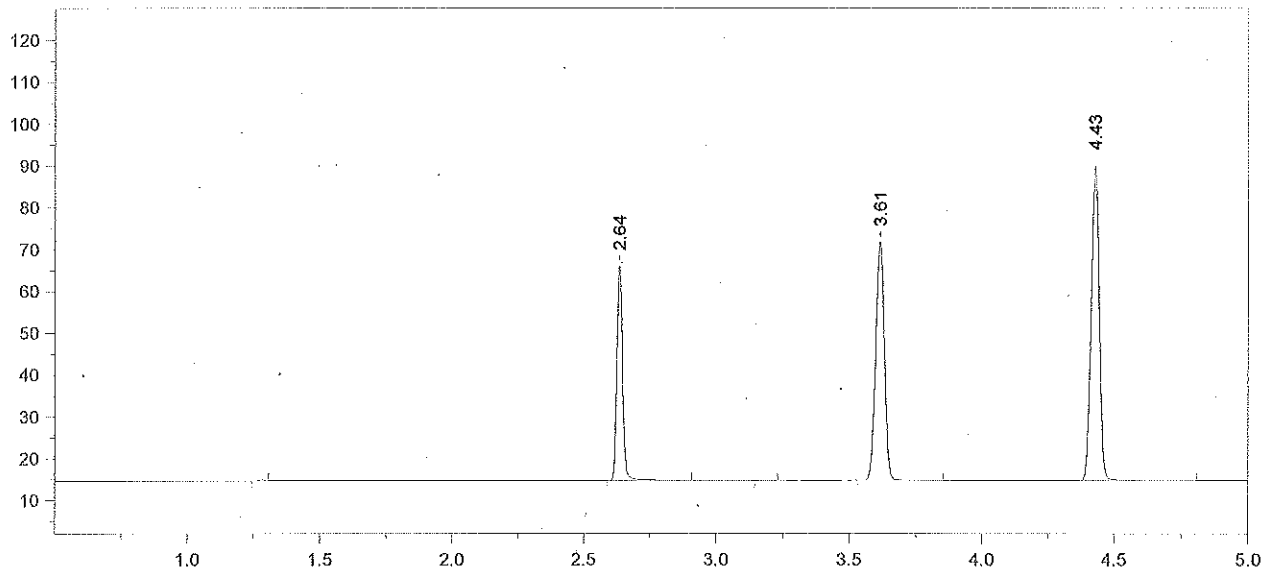


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013 Today's Time = 2:54:54 PM
Bound File Name = VFL05132013.0082.RAW (nal 81)
Sample Name = 0.08 RLM RLM 5/15/13
Date Taken = 5/14/2013 2:54:46 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	73094	0.0962	0.0785
4	3.62	t-Butanol	133099	1.0199	0.8324
5	4.43	n-Propanol	152263	1.0000	0.8162

13-05-080 45 RLM

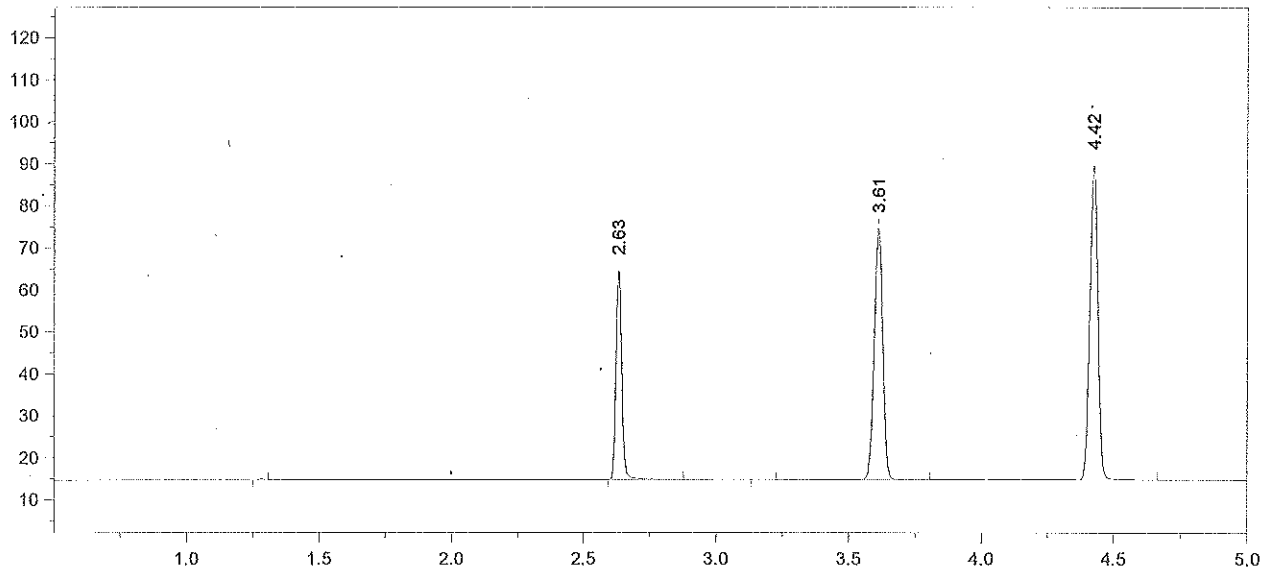


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 3:08:48 PM
Bound File Name = VFL05132013.0083.RAW (Vial 82)
Sample Name = 0.08 RLM RLM 5/15/13
Date Taken = 5/14/2013 3:08:44 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	2.64	Ethanol	79047	0.0994	0.0811
4	3.61	t-Butanol	131718	0.9643	0.7870
5	4.43	n-Propanol	159370	1.0000	0.8162

13-05-080 46 RLM

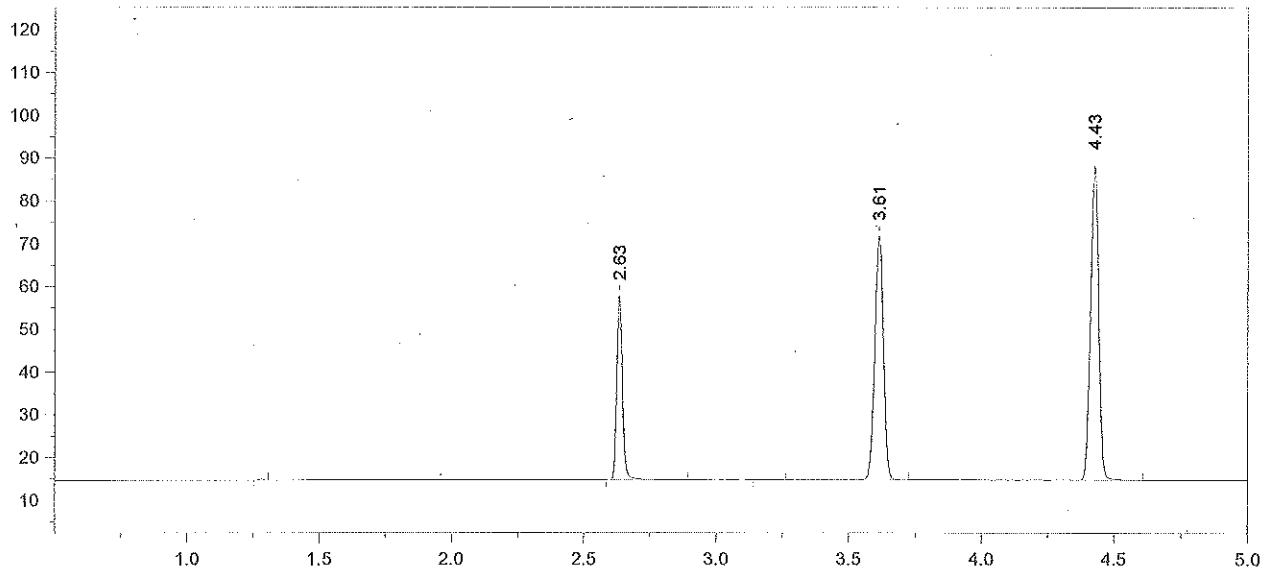


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/14/2013
Today's Time = 3:26:17 PM
Bound File Name = VFL05132013.0084.RAW (nal 83)
Sample Name = ~~CCS~~ 0.08 RLM RLM 5/14/13 RLM 5/15/13
Date Taken = 5/14/2013 3:26:13 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	76422	0.0970	0.0791
4	3.61	t-Butanol	137933	1.0190	0.8317
5	4.42	n-Propanol	157926	1.0000	0.8162

13-05-080 47 RLM

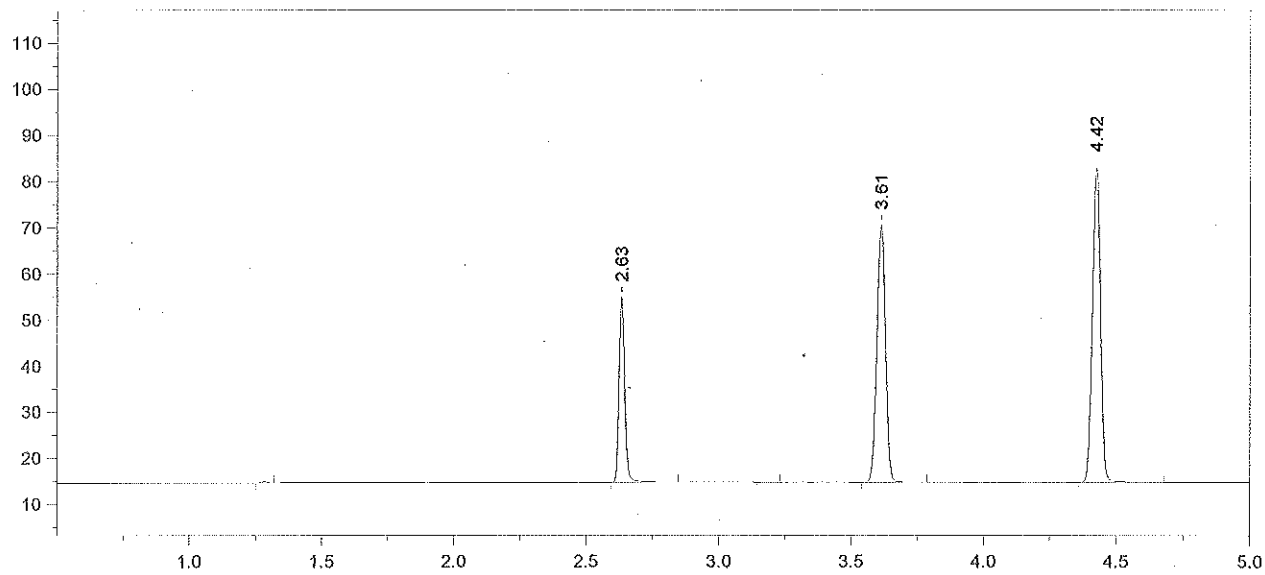


Format File Name = simsoln-JFH.met.FMT

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

13-05-080 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

13-05-080 49 RLM

Headspace Alcohol Analysis Standards Coversheet

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

5/20/2013

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	

13-05-080 50 RLM

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

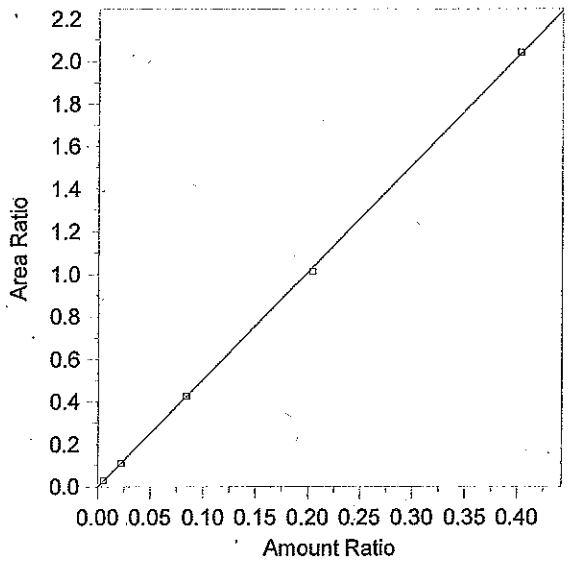
Creator:
Description:
Reason for change:

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

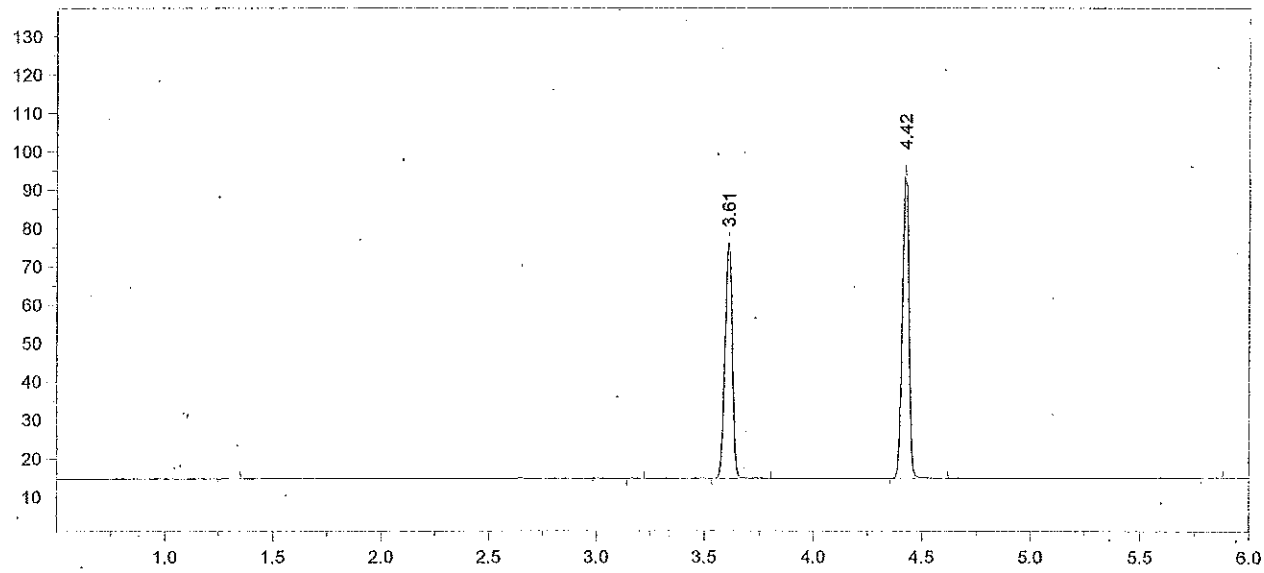
13-05-080 51 KZM

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

13-05-080 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

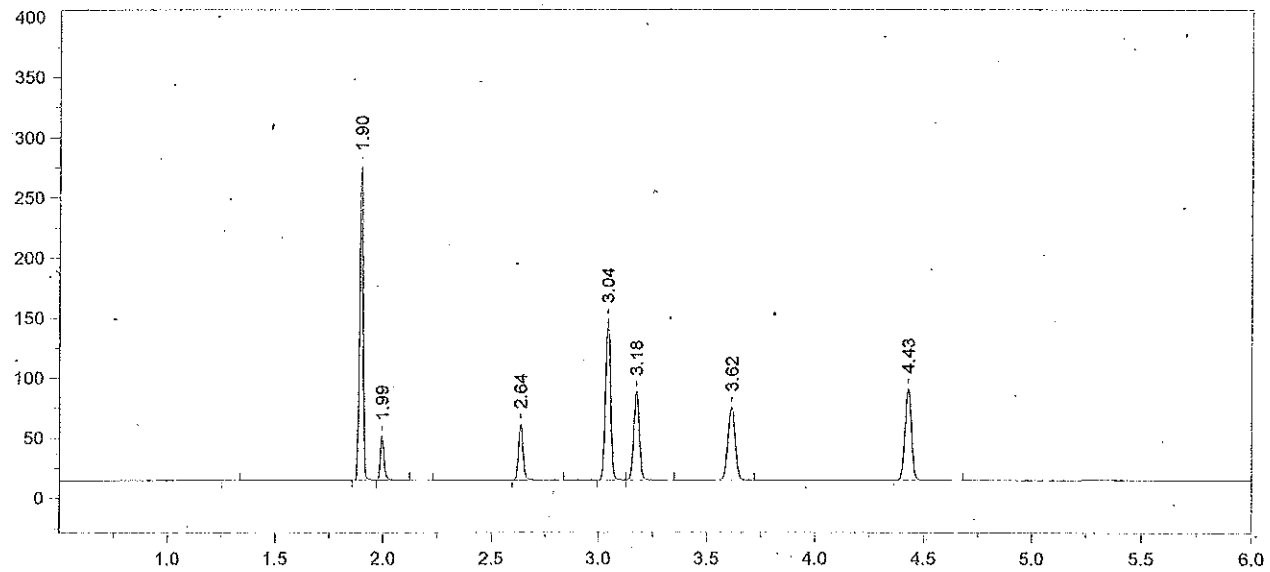


Format File Name = AlcoholVFL.FMT

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

13-05-080 54 RM

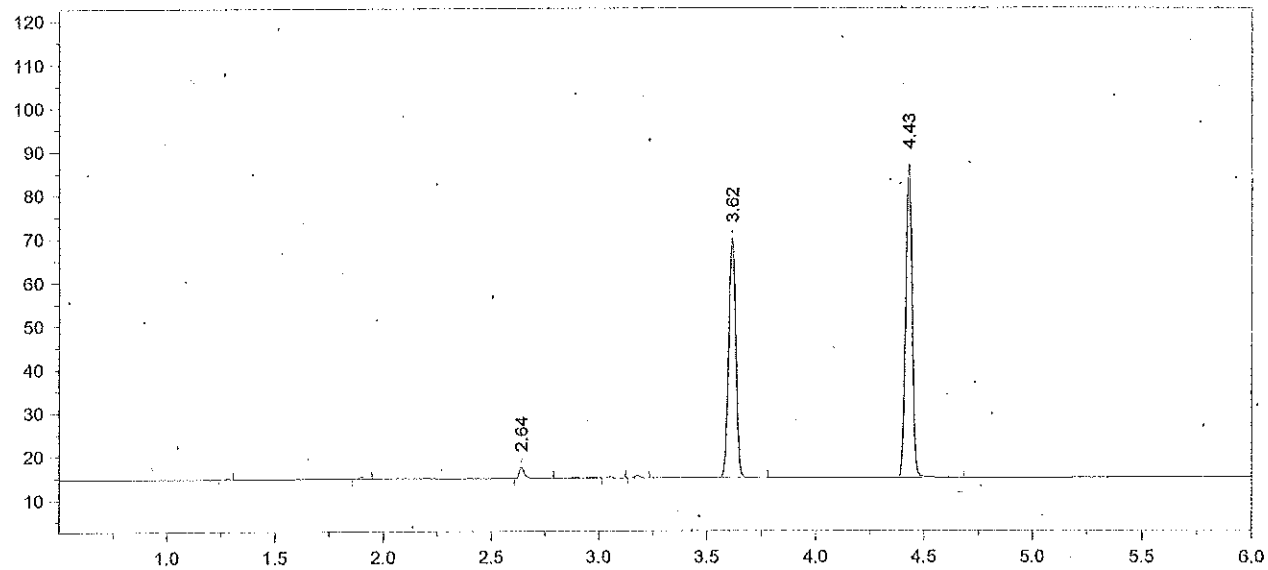


Format File Name = AlcoholVFL.FMT

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

13-05-080 55 TRM

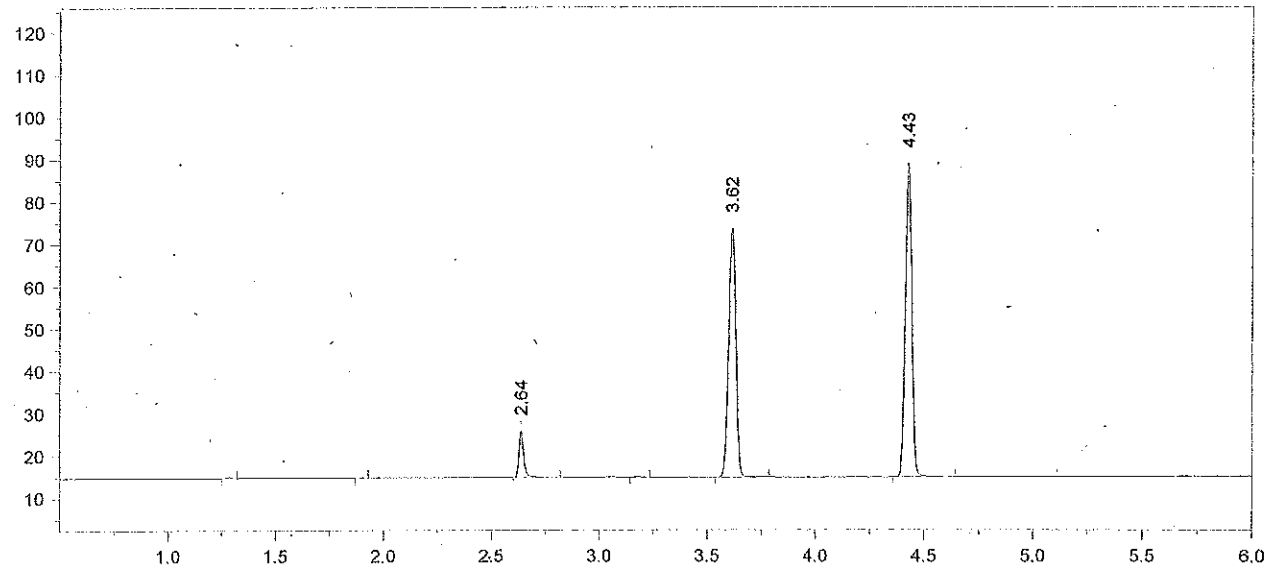


Format File Name = AlcoholVFL.FMT

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

13-05-080 56 RZT

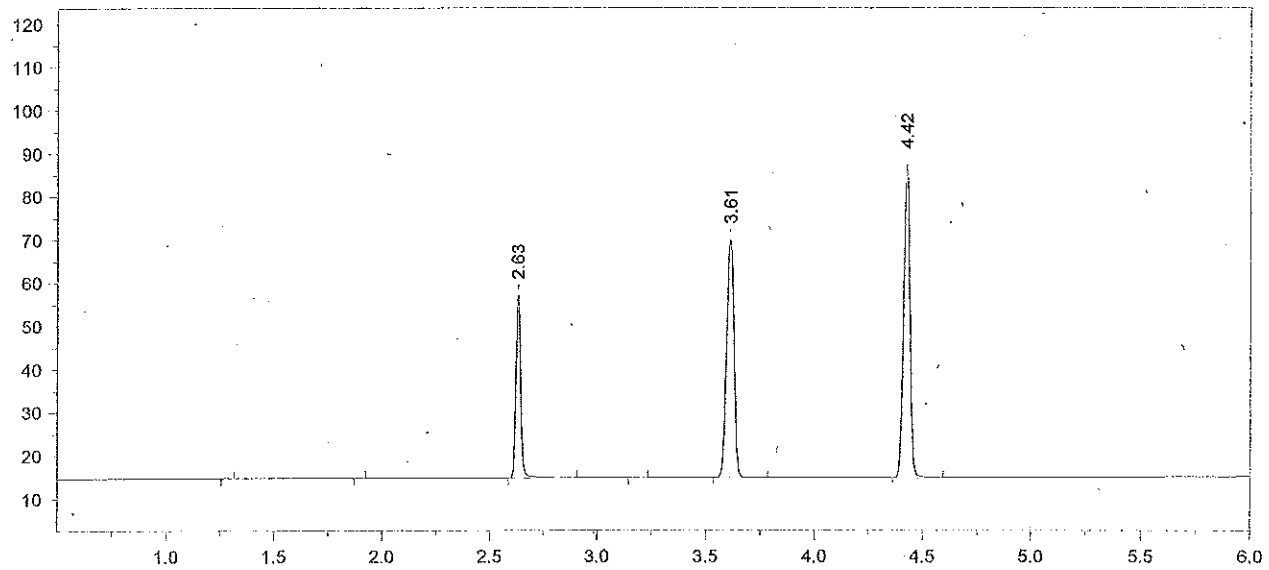


Format File Name = AlcoholVFL.FMT

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

13-05-080 57 KEM

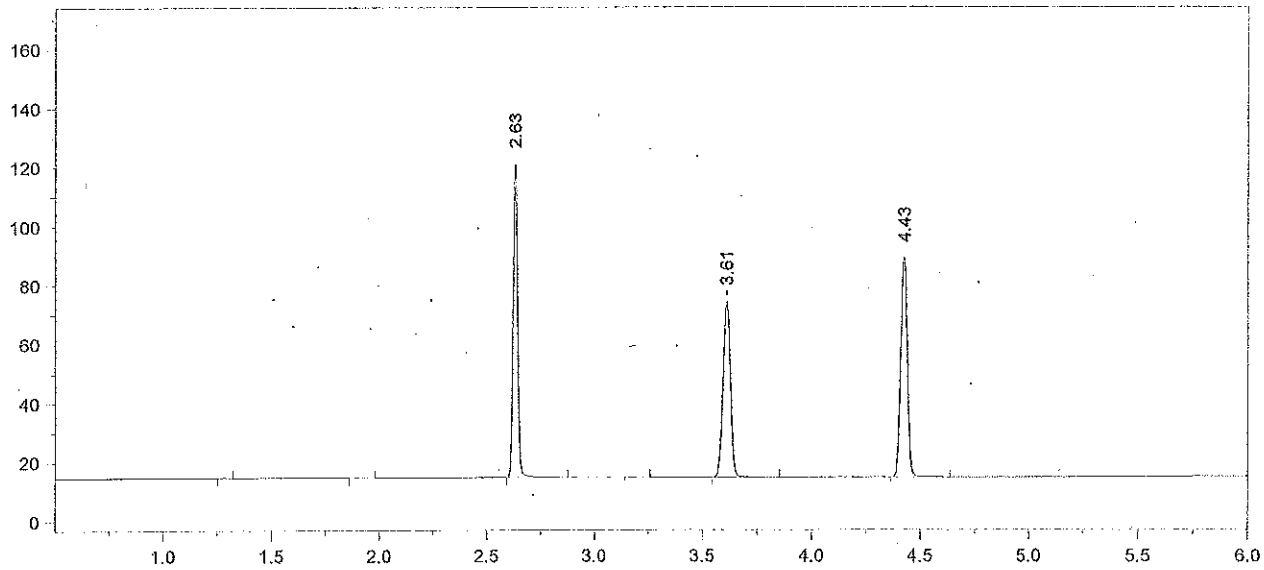


Format File Name = AlcoholVFL.FMT

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

13-05-080 58 KZM

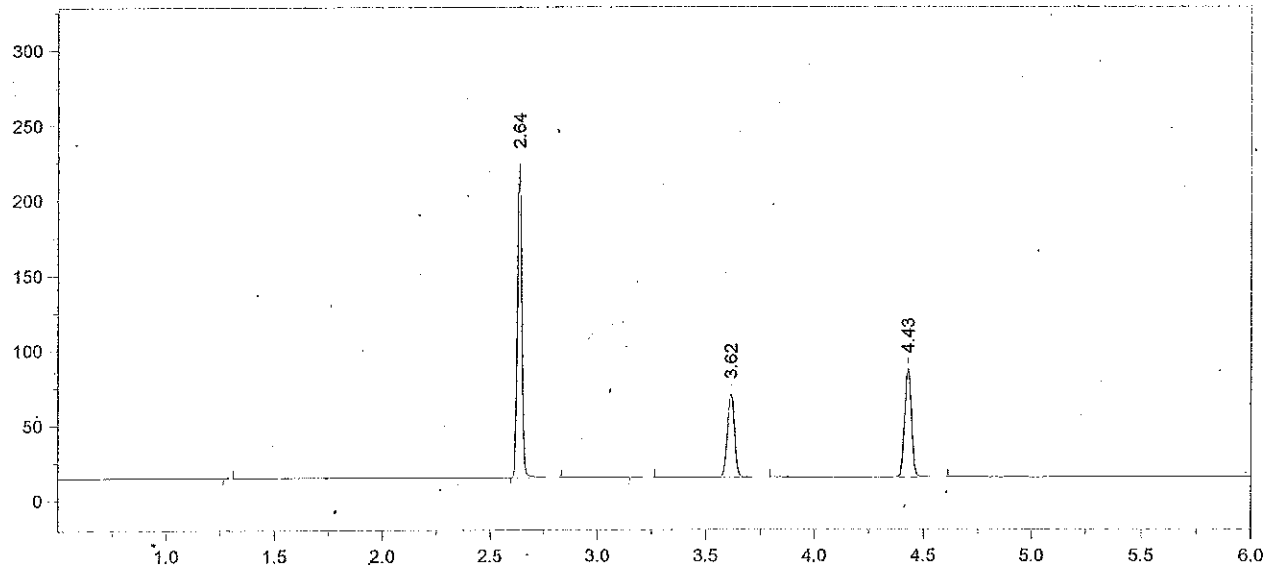


Format File Name = AlcoholVFL.FMT

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

13-05-080 59

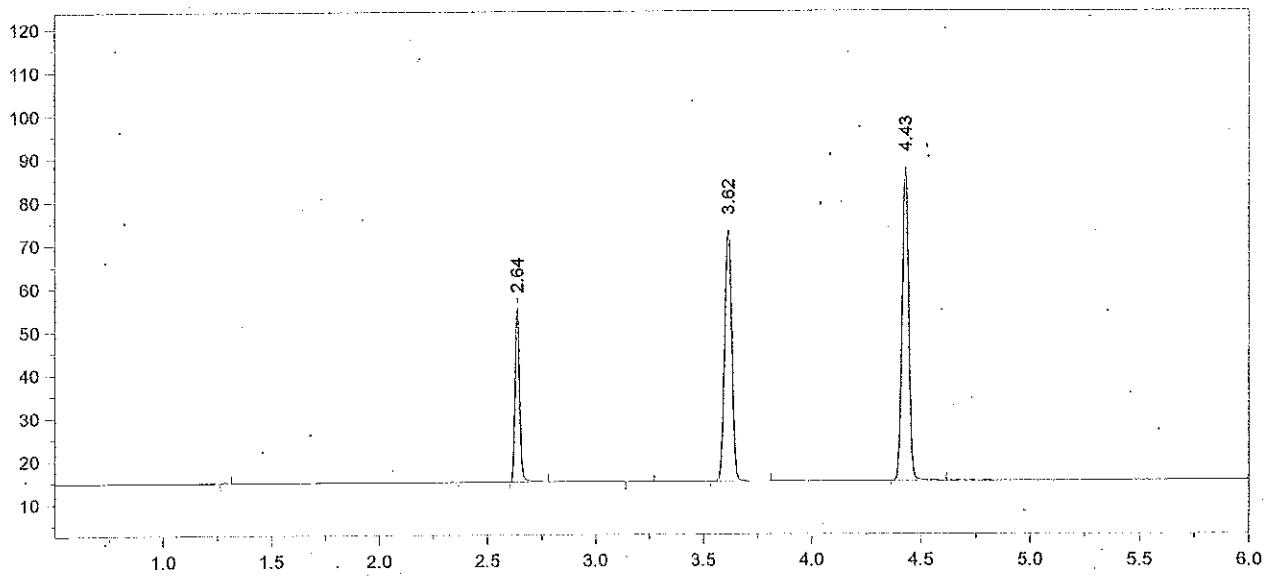


Format File Name = AlcoholVFL.FMT

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

13-05-080 60 RM

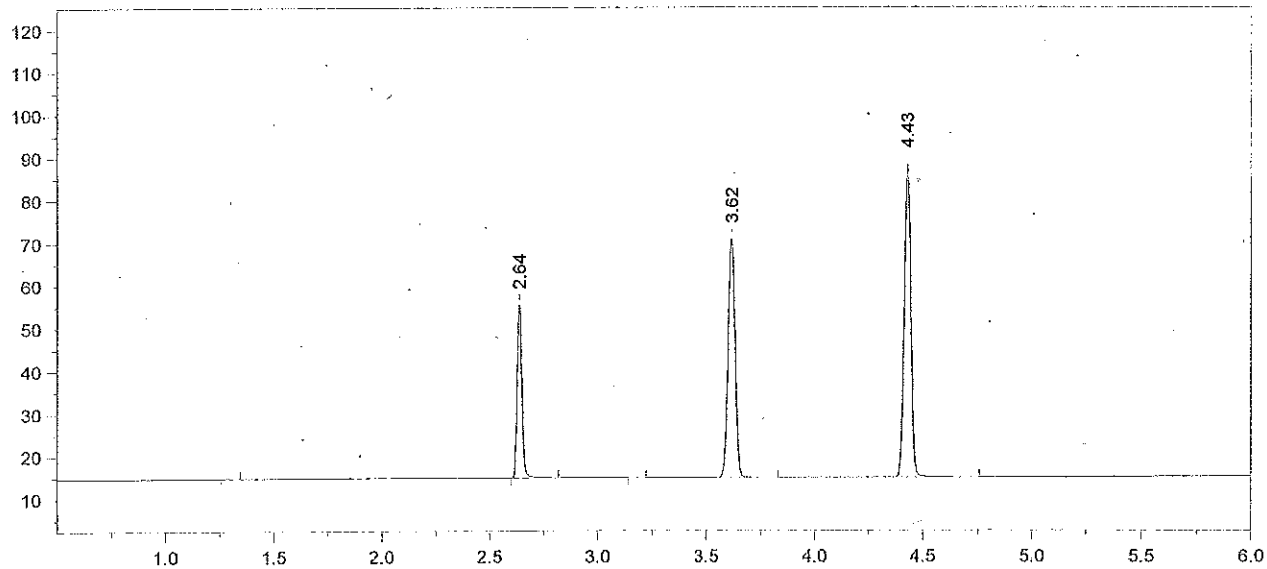


Format File Name = AlcoholVFL.FMT

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

13-05-080 61 RLM



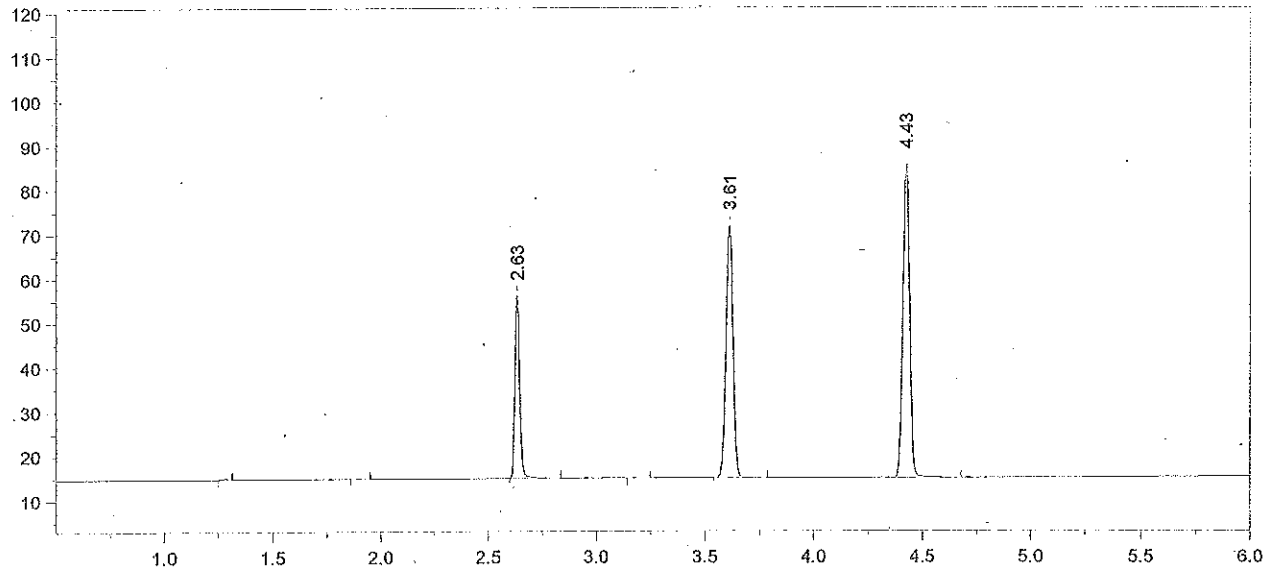
Format File Name = AlcoholVFL.FMT

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
RZM 5/16/13

13-05-080 62 RZM

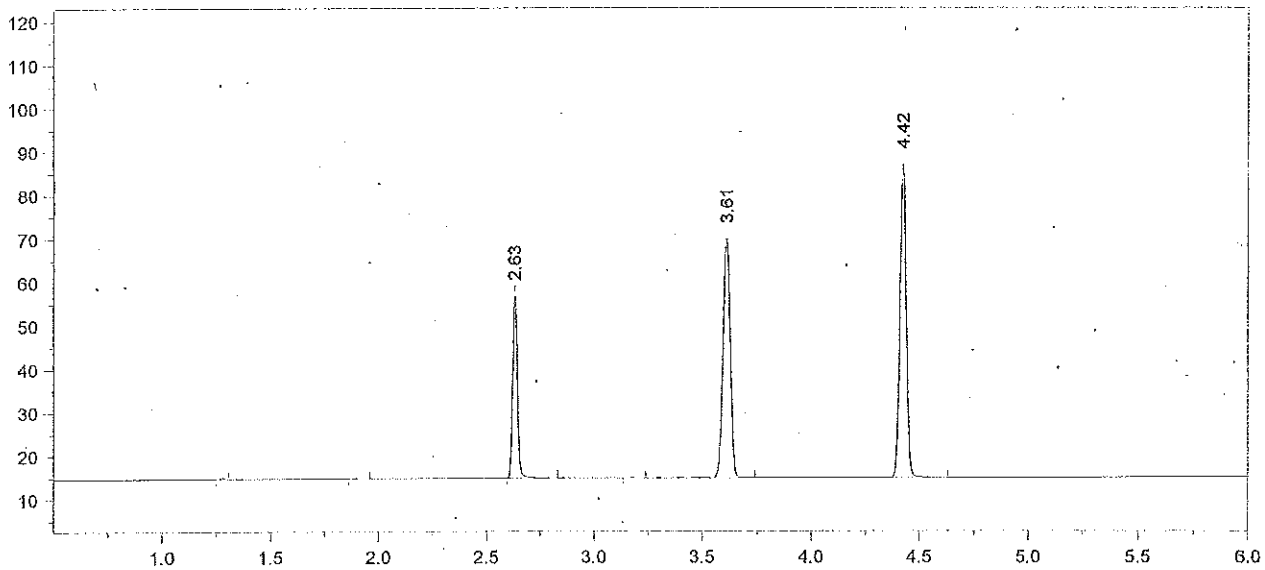


Format File Name = AlcoholVFL.FMT

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

13-05-080 63 RRM



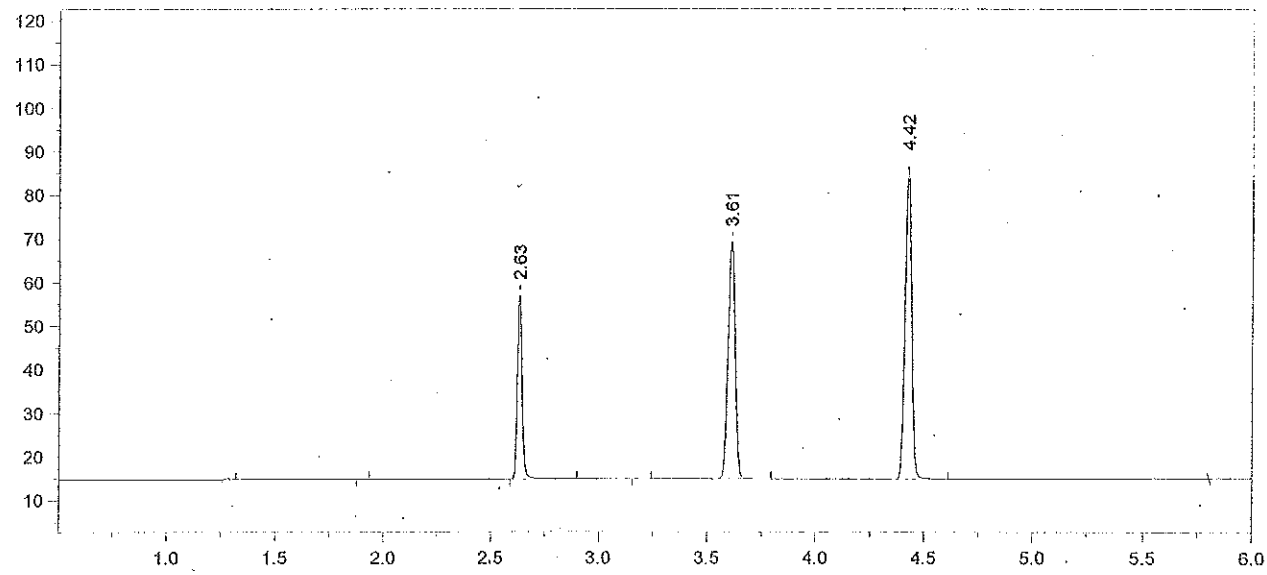
Format File Name = AlcoholVFL.FMT

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

13-05-080 64 RLM

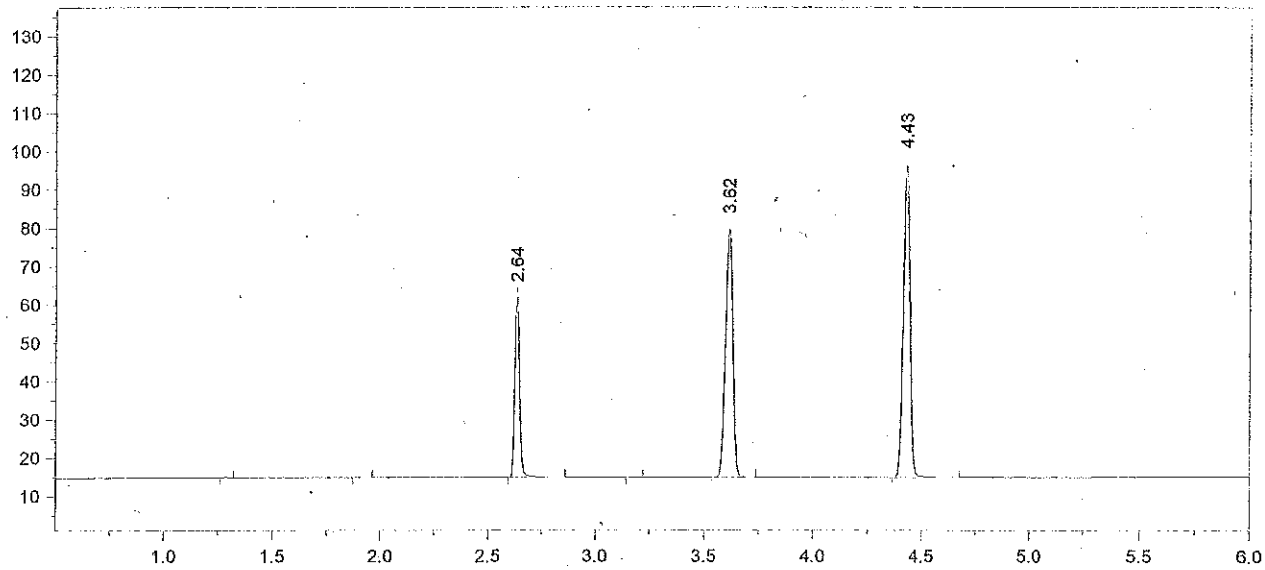


Format File Name = AlcoholVFL.FMT

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

13-05-080 65 RM



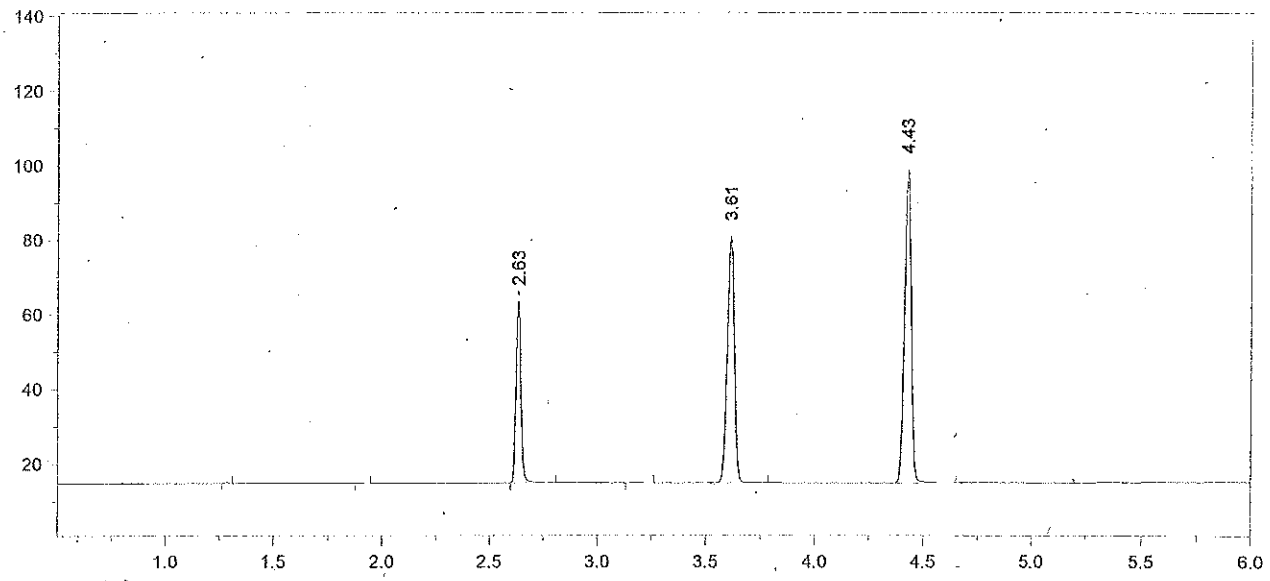
Format File Name = AlcoholVFL.FMT

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

13-05-080 66 RZM

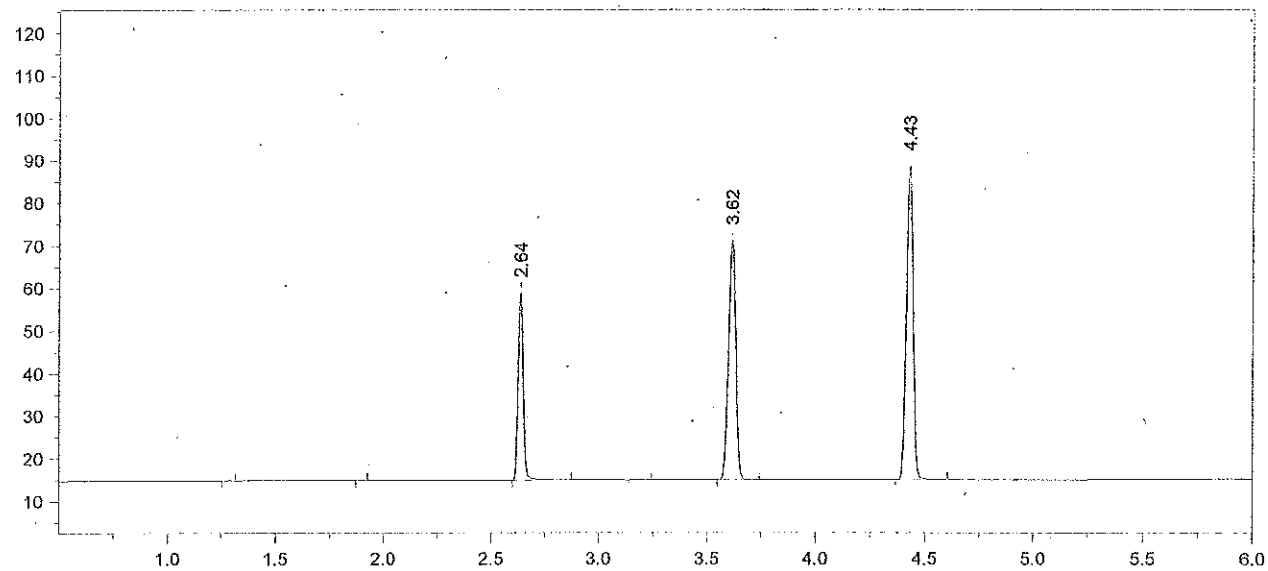


Format File Name = AlcoholVFL.FMT

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

13-05-080 67 RLM



Format File Name = AlcoholVFL.FMT

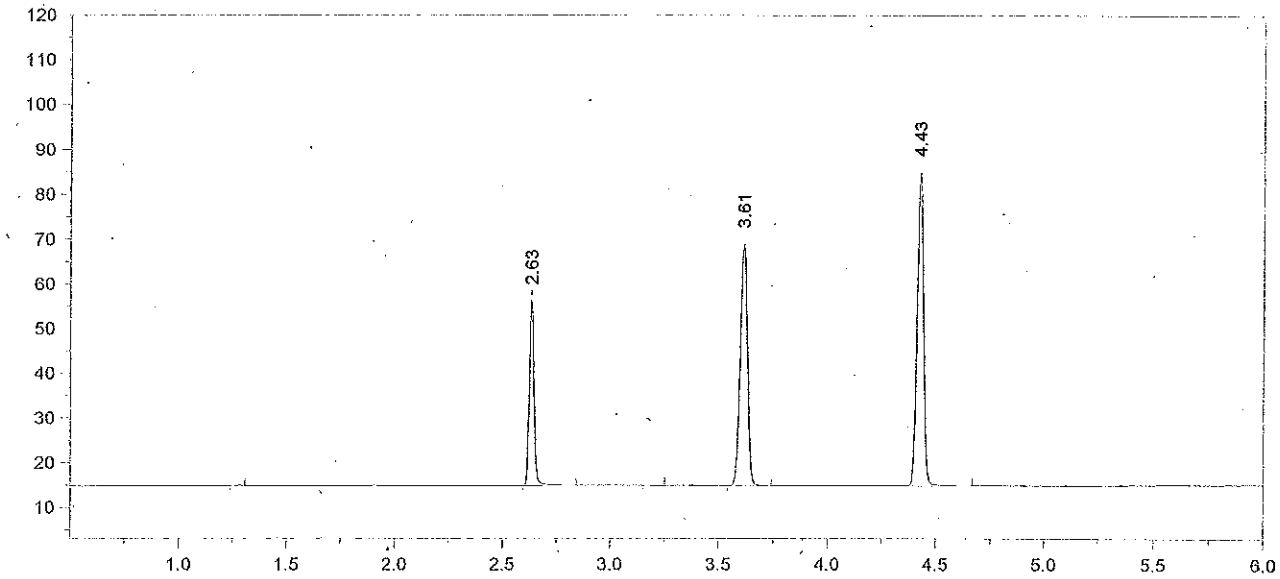
Today's Date = 5/15/2013
Today's Time = 5:30:33 PM
Bound File Name = SIM05152013.0029.RAW
Sample Name = CCS
Date Taken = 5/15/2013 5:30:25 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05152013.CAL
Calibration Version = 7

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

13-05-080 68 RLM

Chrom Perfect Chromatogram Report

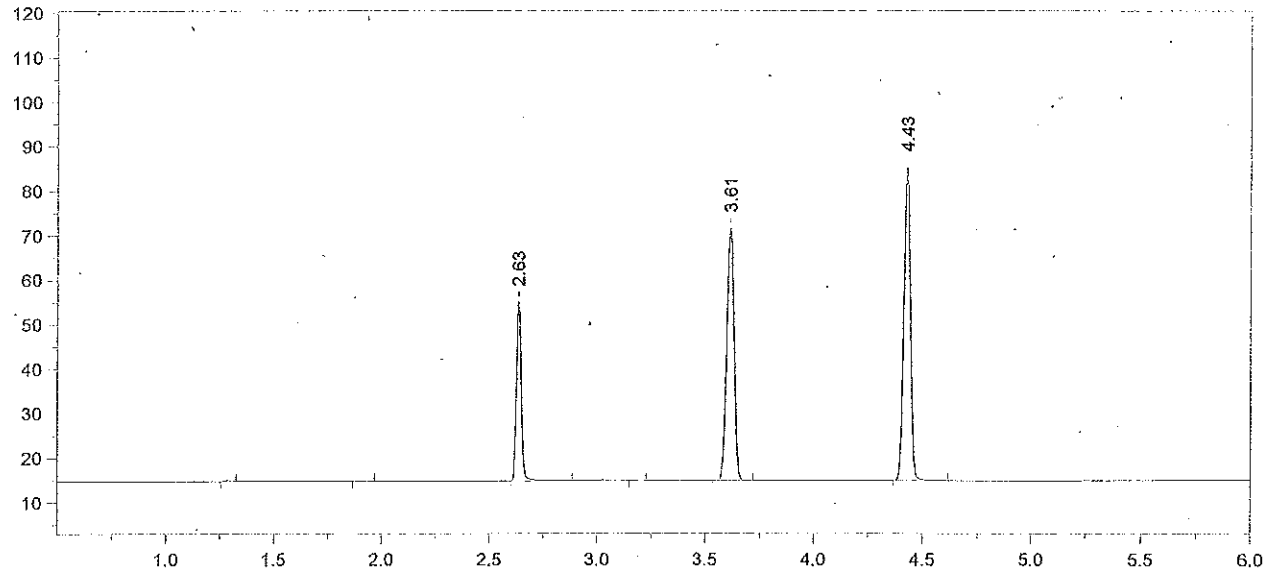


Format File Name = AlcoholVFL.FMT

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

13-05-080 69 [illegible]



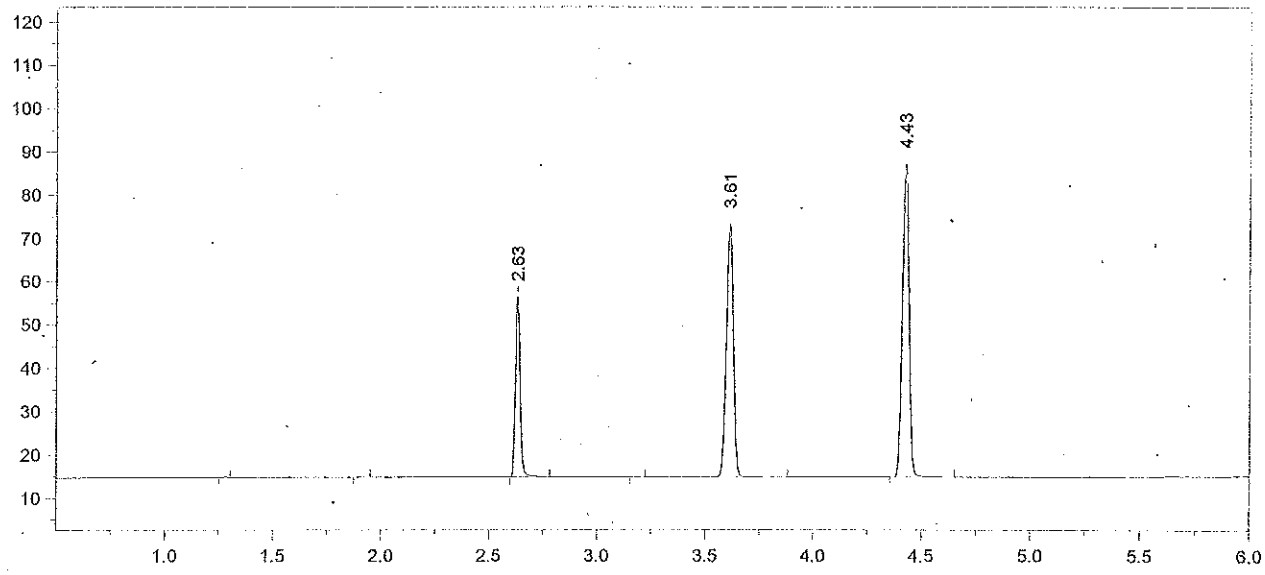
Format File Name = AlcoholVFL.FMT

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
RZM 5/16/13

13-05-080 70 RZM

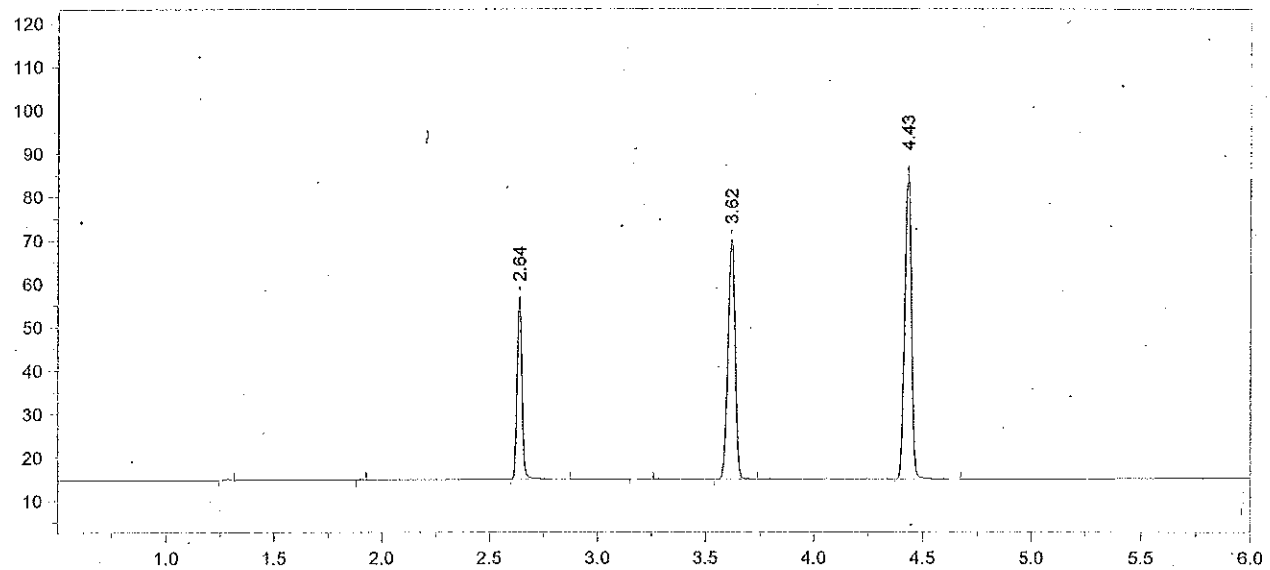


Format File Name = AlcoholVFL.FMT

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

13-05-080 71 RZM



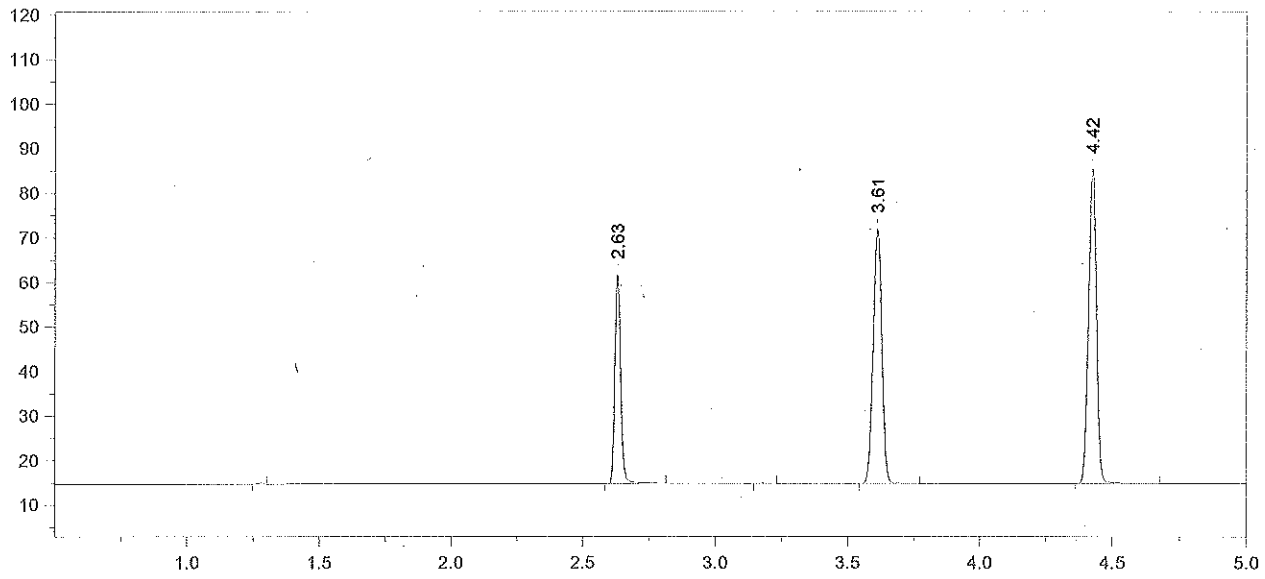
Format File Name = AlcoholVFL.FMT

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

13-05-080 72 RLM

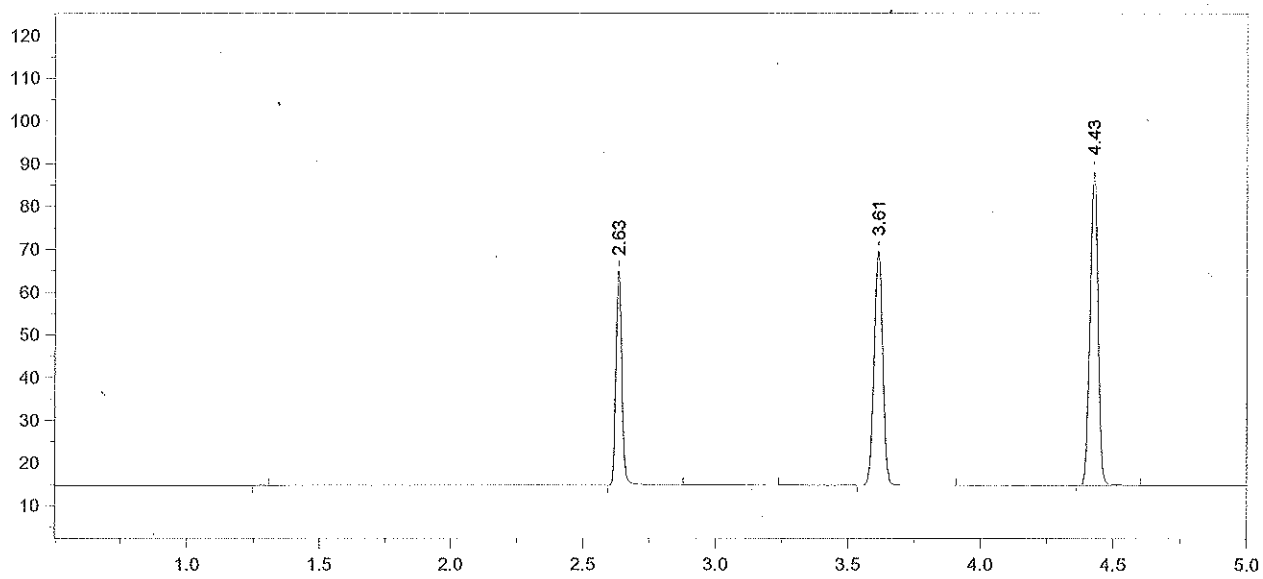


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 10:27:52 PM
Bound File Name = SIM05152013.0048.RAW
Sample Name = RLM 0.08
Date Taken = 5/15/2013 10:27:47 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	71580	0.0949	0.0775
4	3.61	t-Butanol	132017	1.0396	0.8485
5	4.42	n-Propanol	149376	1.0000	0.8162

13-05-080 73 RLM

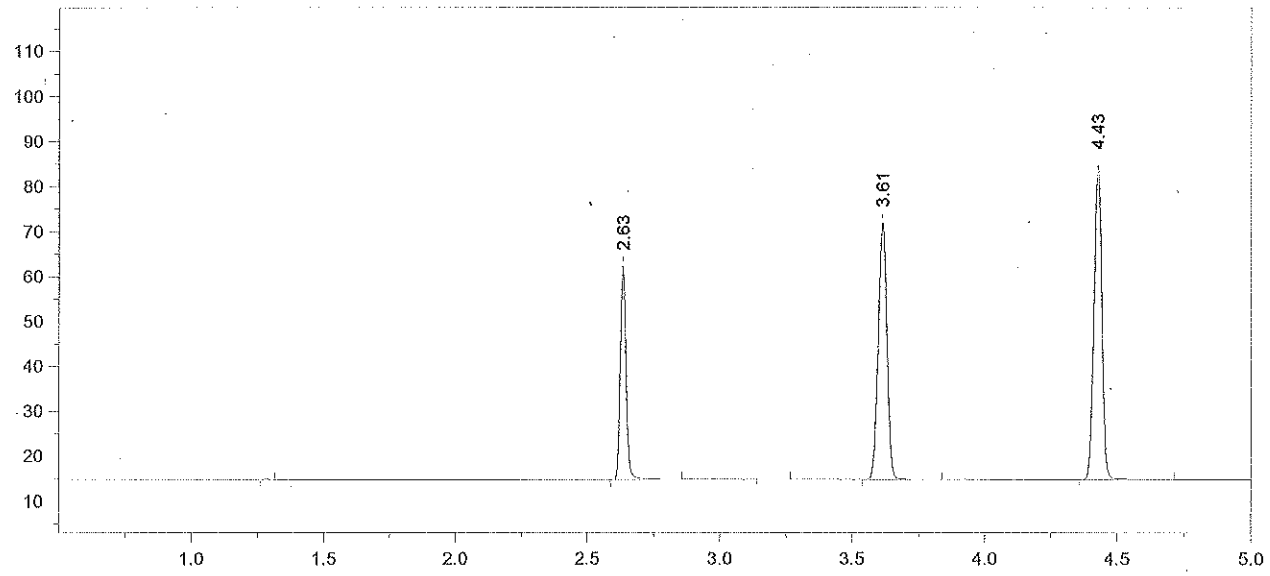


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 10:41:39 PM
Bound File Name = SIM05152013.0049.RAW
Sample Name = RLM 0.08
Date Taken = 5/15/2013 10:41:32 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	75973	0.0971	0.0792
4	3.61	t-Butanol	126492	0.9597	0.7833
5	4.43	n-Propanol	155030	1.0000	0.8162

13-05-080 74 RLM

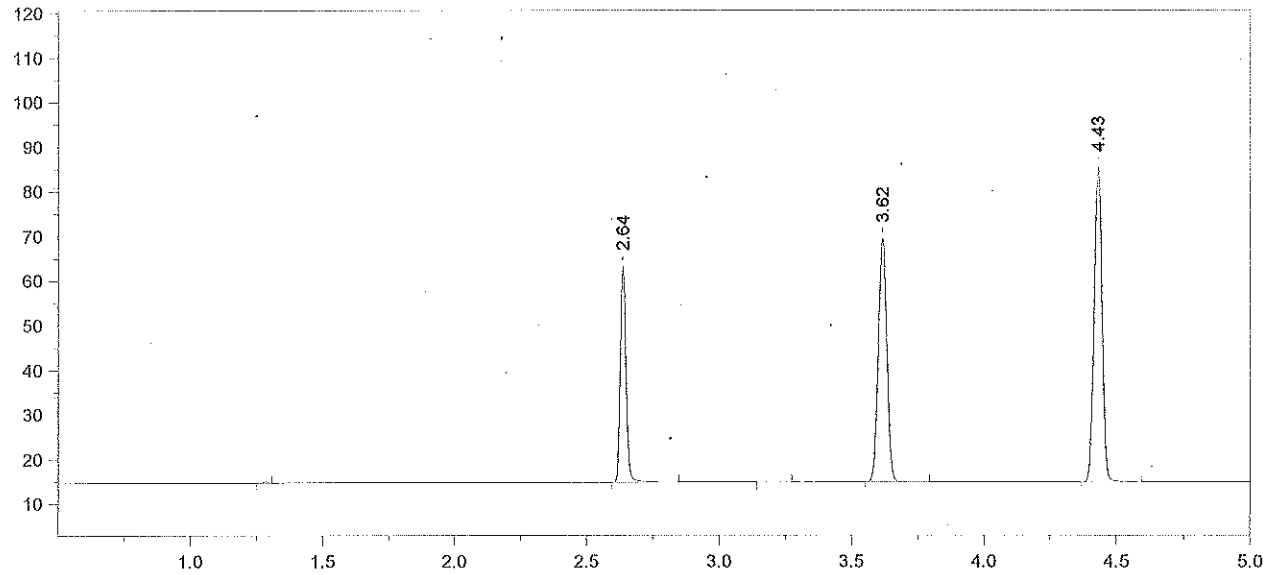


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 10:59:22 PM
Bound File Name = SIM05152013.0050.RAW
Sample Name = RLM 0.08
Date Taken = 5/15/2013 10:59:17 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	71787	0.0960	0.0783
4	3.61	t-Butanol	130924	1.0392	0.8482
5	4.43	n-Propanol	148185	1.0000	0.8162

13-05-080 75 RLM

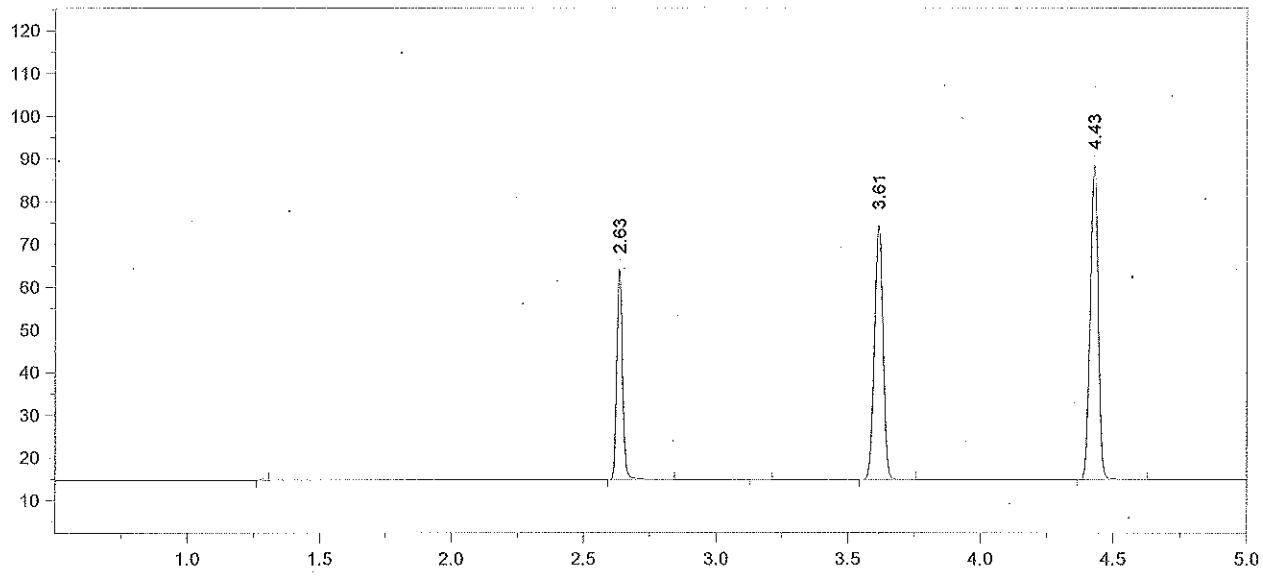


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 11:12:38 PM
Bound File Name = SIM05152013.0051.RAW
Sample Name = RLM 0.08
Date Taken = 5/15/2013 11:12:29 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	2.64	Ethanol	73276	0.0974	0.0795
4	3.62	t-Butanol	125845	0.9931	0.8106
5	4.43	n-Propanol	149057	1.0000	0.8162

13-05-080 76 RLM

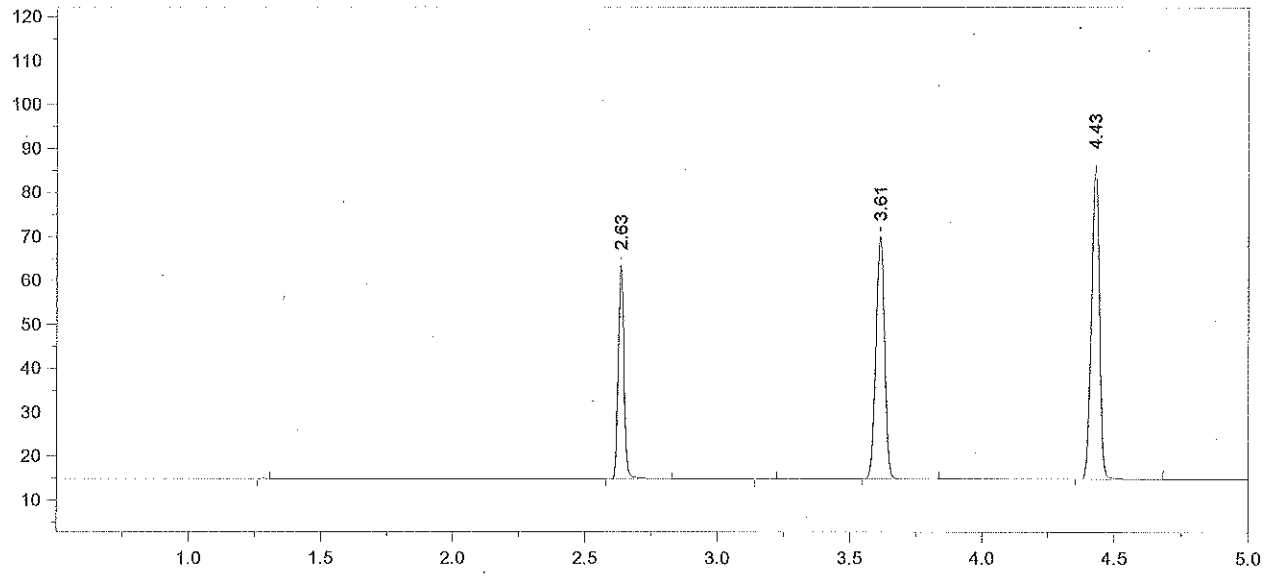


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013 Today's Time = 11:30:53 PM
Bound File Name = SIM05152013.0052.RAW
Sample Name = RLM 0.08
Date Taken = 5/15/2013 11:30:46 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	75269	0.0957	0.0782
4	3.61	t-Butanol	137134	1.0357	0.8453
5	4.43	n-Propanol	155743	1.0000	0.8162

13-05-080 77 RLM

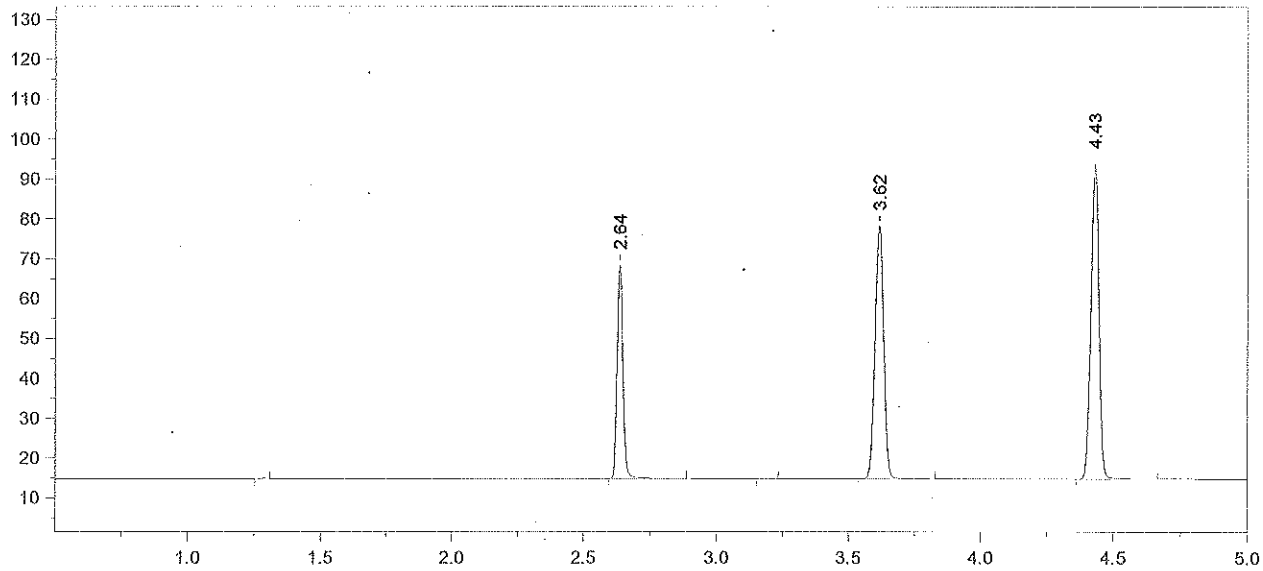


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/15/2013
Today's Time = 11:44:24 PM
Bound File Name = SIM05152013.0053.RAW
Sample Name = RLM 0.08
Date Taken = 5/15/2013 11:44:19 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	73785	0.0970	0.0792
4	3.61	t-Butanol	127321	0.9935	0.8109
5	4.43	n-Propanol	150736	1.0000	0.8162

13-05-080 78 RLM

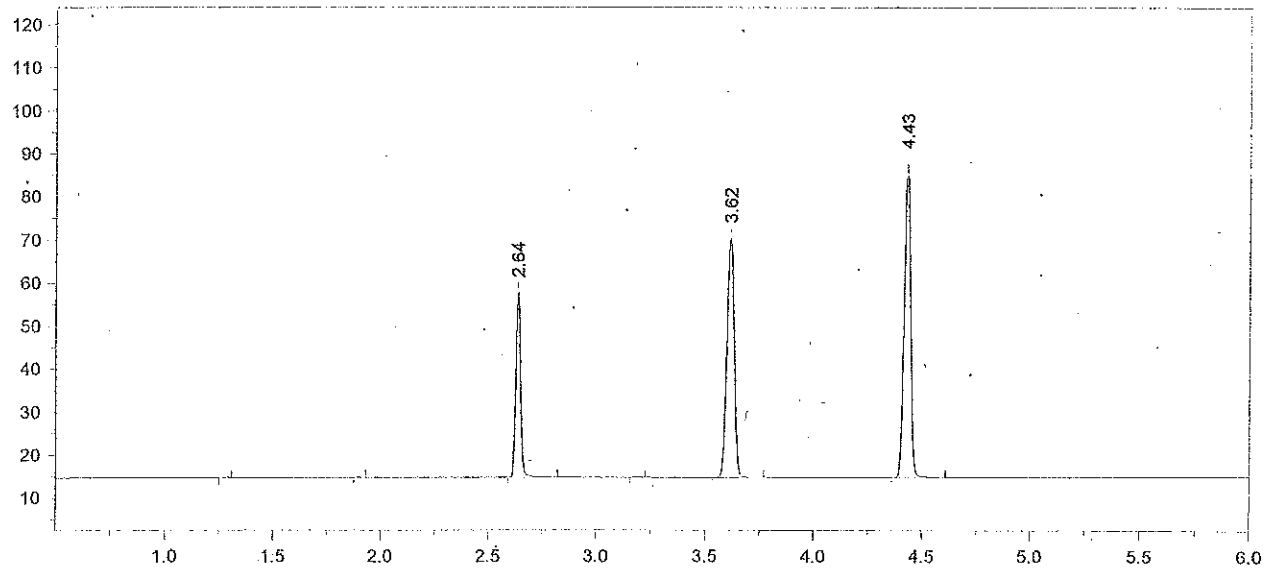


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 12:00:34 AM
Bound File Name = SIM05152013.0054.RAW
Sample Name = RLM 0.08
Date Taken = 5/16/2013 12:00:29 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	81056	0.0956	0.0780
4	3.62	t-Butanol	146321	1.0243	0.8360
5	4.43	n-Propanol	168024	1.0000	0.8162

13-05-080 79 RLM

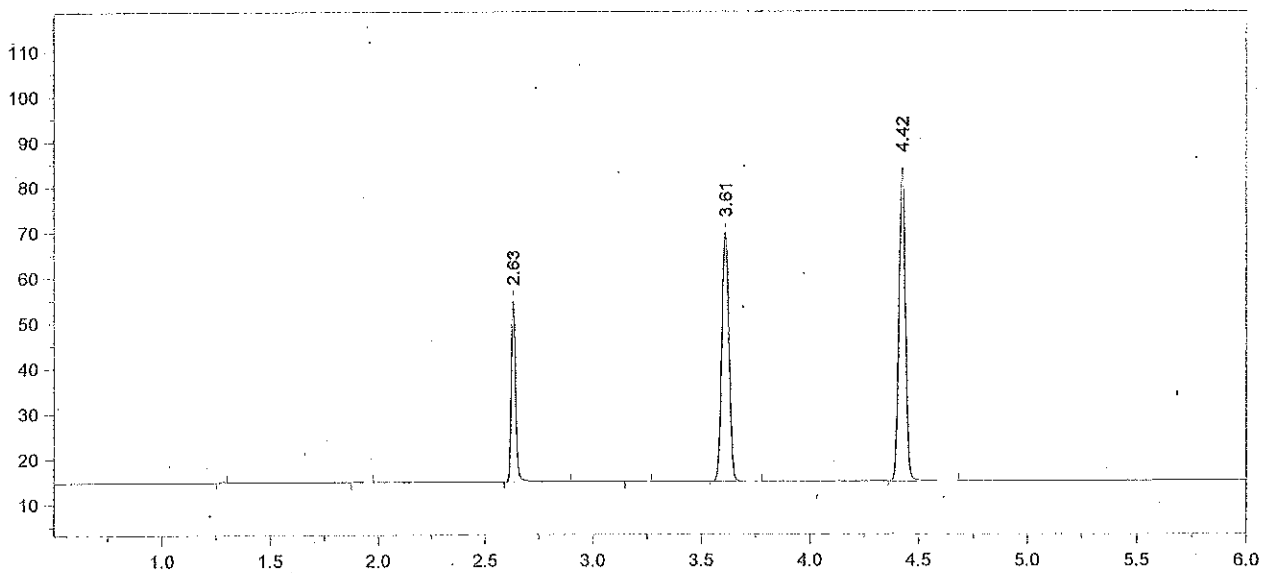


Format File Name = AlcoholVFL.FMT

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

13-05-080 80 RM



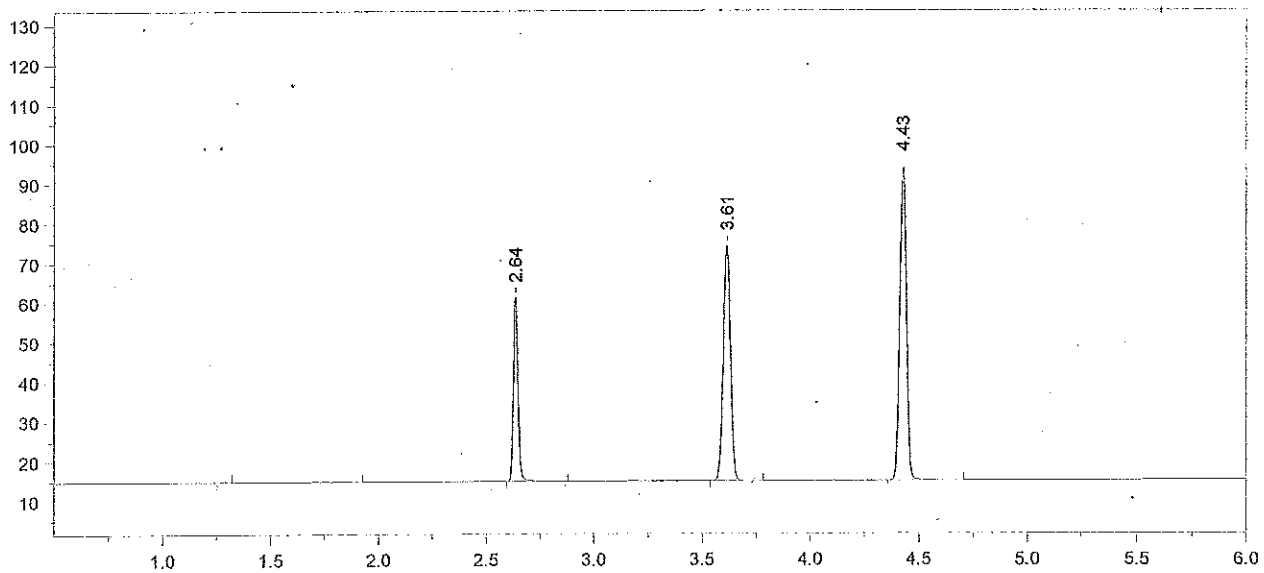
Format File Name = AlcoholVFL.FMT

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
RZM 5/16/13

13-05-080 81 RZM

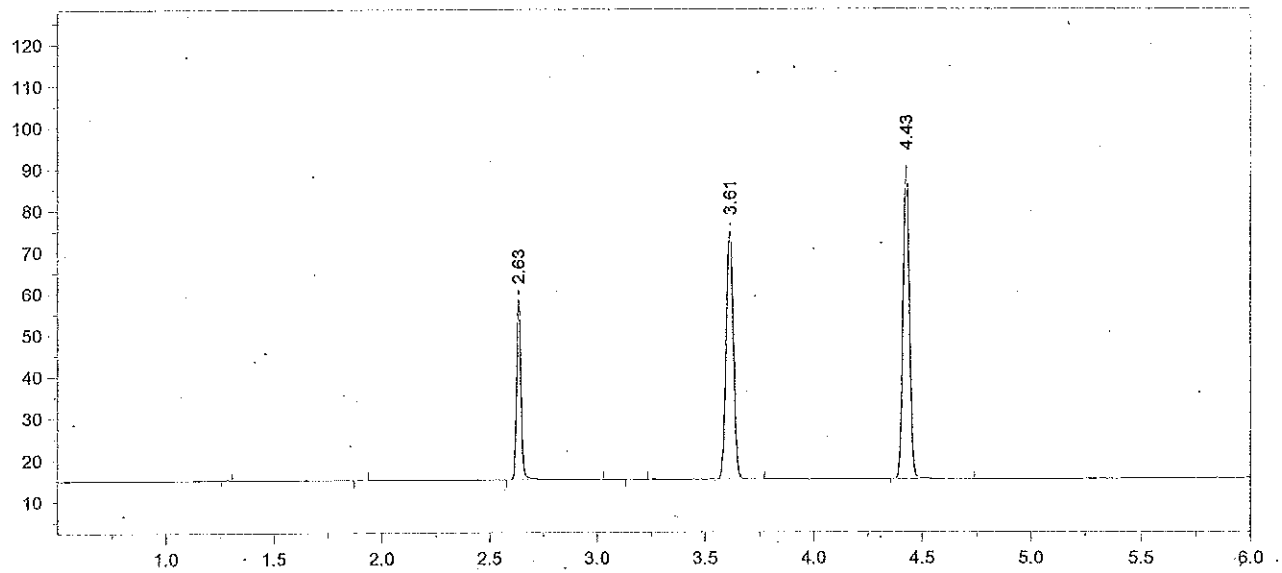


Format File Name = AlcoholVFL.FMT

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

13-05-080 82 RZM



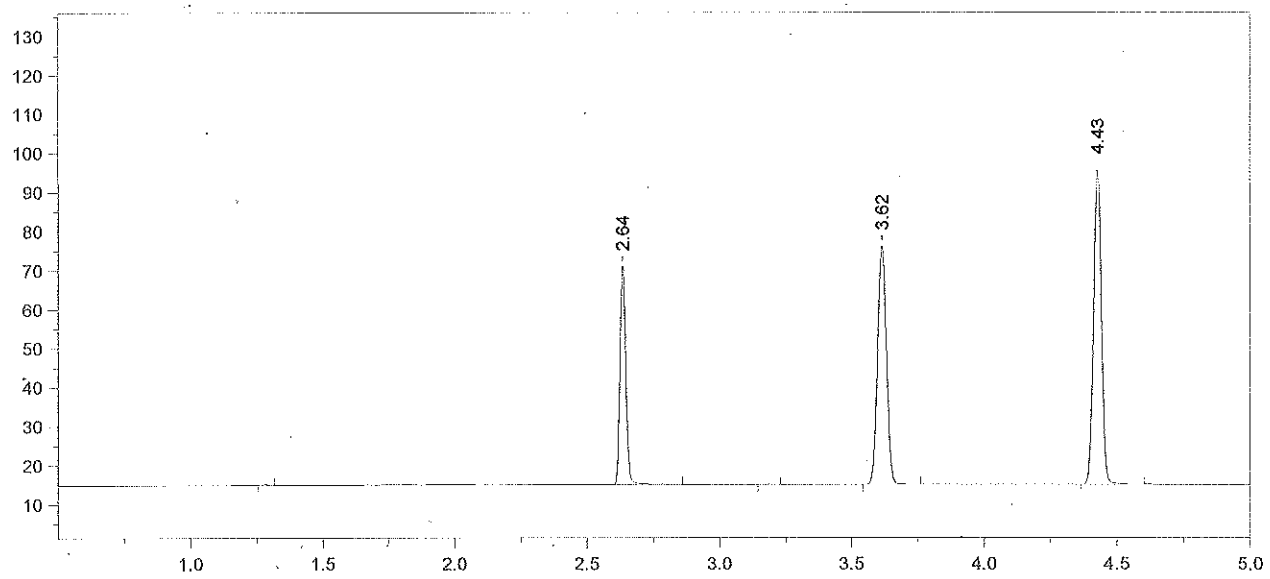
Format File Name = AlcoholVFL.FMT

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

13-05-080 83 RLM

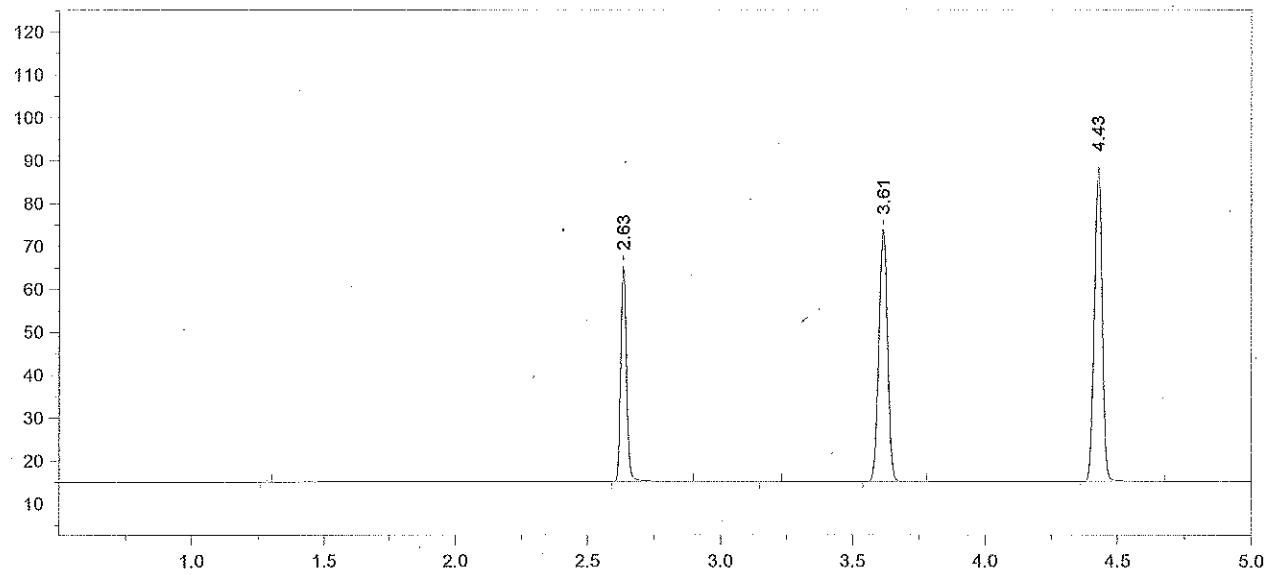


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 8:57:24 AM
Bound File Name = SIM05152013.0059.RAW
Sample Name = ALB 0.08
Date Taken = 5/16/2013 8:57:17 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	85747	0.0999	0.0815
4	3.62	t-Butanol	140667	0.9728	0.7940
5	4.43	n-Propanol	170087	1.0000	0.8162

13-05-080 84 RLM

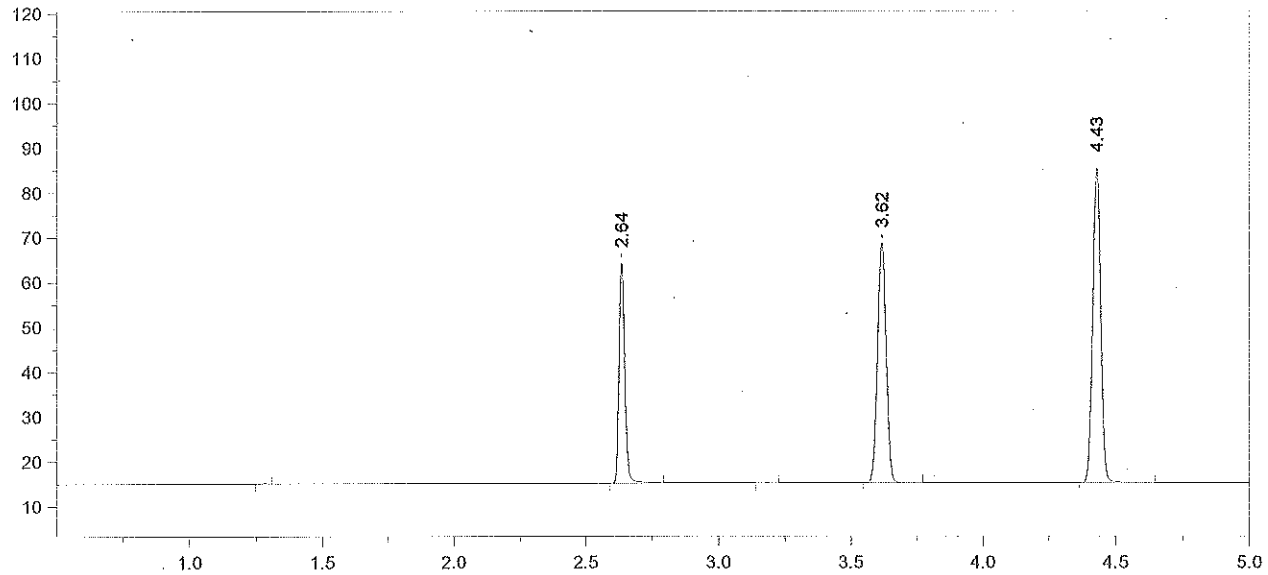


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 9:14:48 AM
Bound File Name = SIM05152013.0060.RAW
Sample Name = ALB 0.08
Date Taken = 5/16/2013 9:14:43 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	76766	0.0984	0.0804
4	3.61	t-Butanol	135022	1.0280	0.8391
5	4.43	n-Propanol	154488	1.0000	0.8162

13-05-080 85 RLM

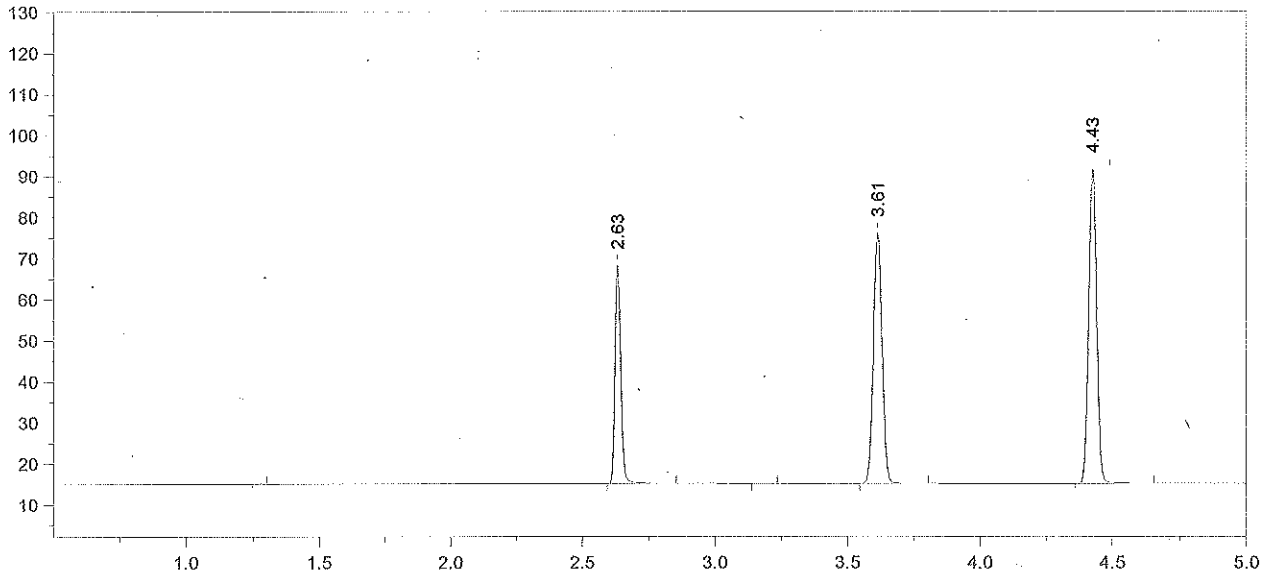


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 9:28:29 AM
Bound File Name = SIM05152013.0061.RAW
Sample Name = ALB 0.08
Date Taken = 5/16/2013 9:28:24 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	74710	0.0995	0.0812
4	3.62	t-Butanol	123766	0.9787	0.7988
5	4.43	n-Propanol	148744	1.0000	0.8162

13-05-080 86 RZM

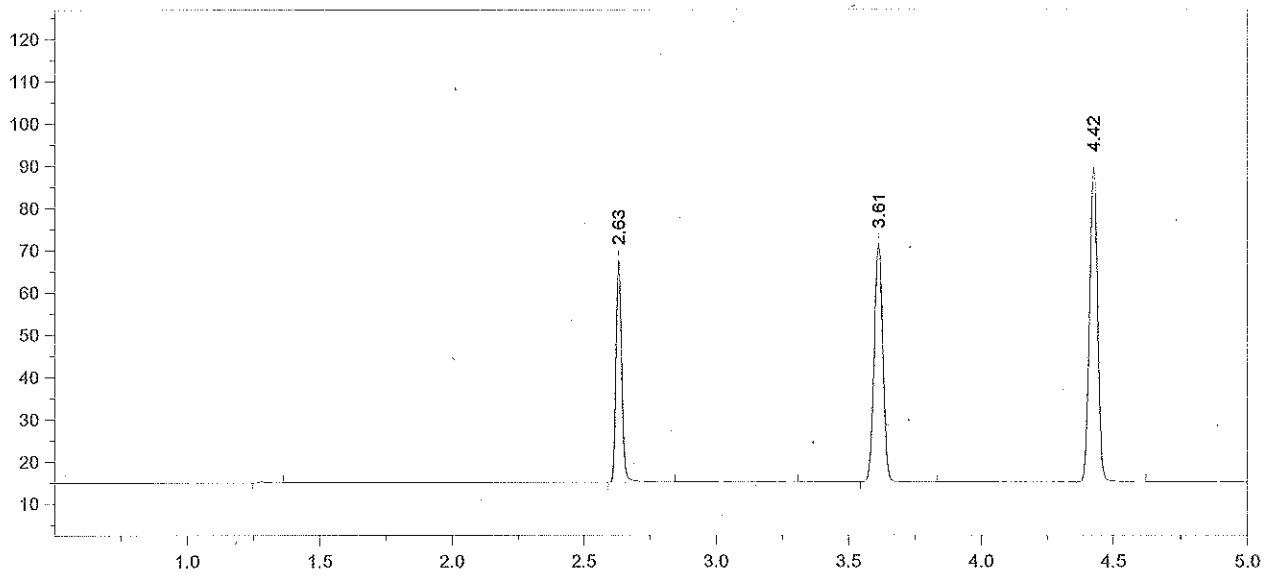


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 9:44:32 AM
Bound File Name = SIM05152013.0062.RAW
Sample Name = ALB 0.08
Date Taken = 5/16/2013 9:44:25 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	80496	0.0983	0.0802
4	3.61	t-Butanol	140668	1.0199	0.8325
5	4.43	n-Propanol	162227	1.0000	0.8162

13-05-080 87 RZM

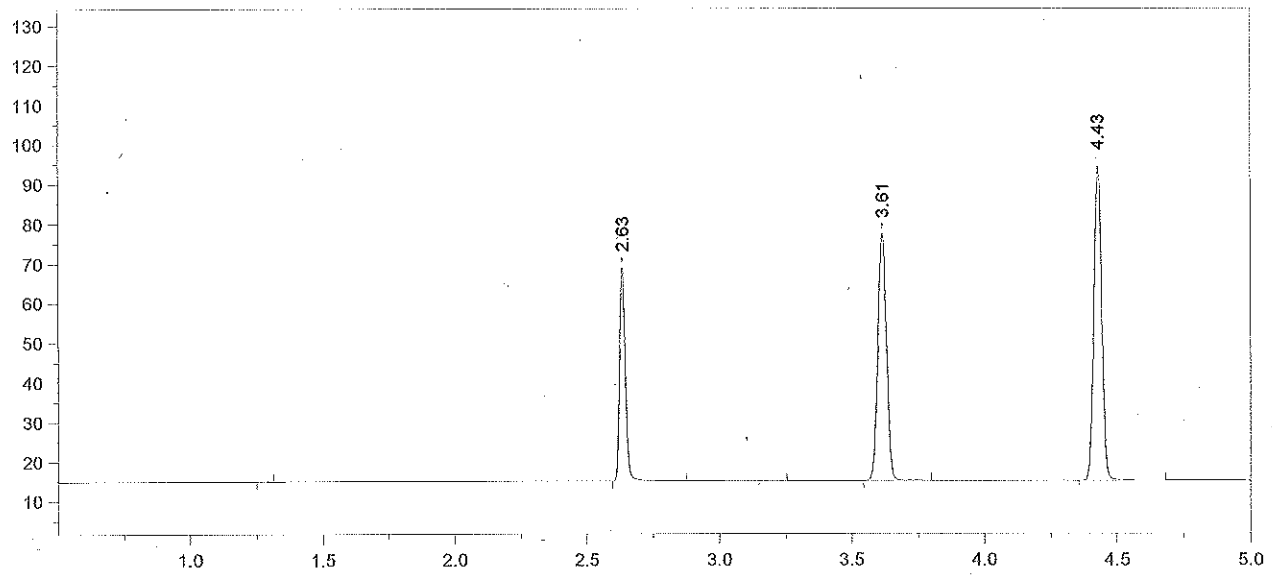


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 10:00:14 AM
Bound File Name = SIM05152013.0063.RAW
Sample Name = ALB 0.08
Date Taken = 5/16/2013 10:00:09 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	79638	0.1001	0.0817
4	3.61	t-Butanol	130186	0.9716	0.7930
5	4.42	n-Propanol	157611	1.0000	0.8162

13-05-080 88 RLH

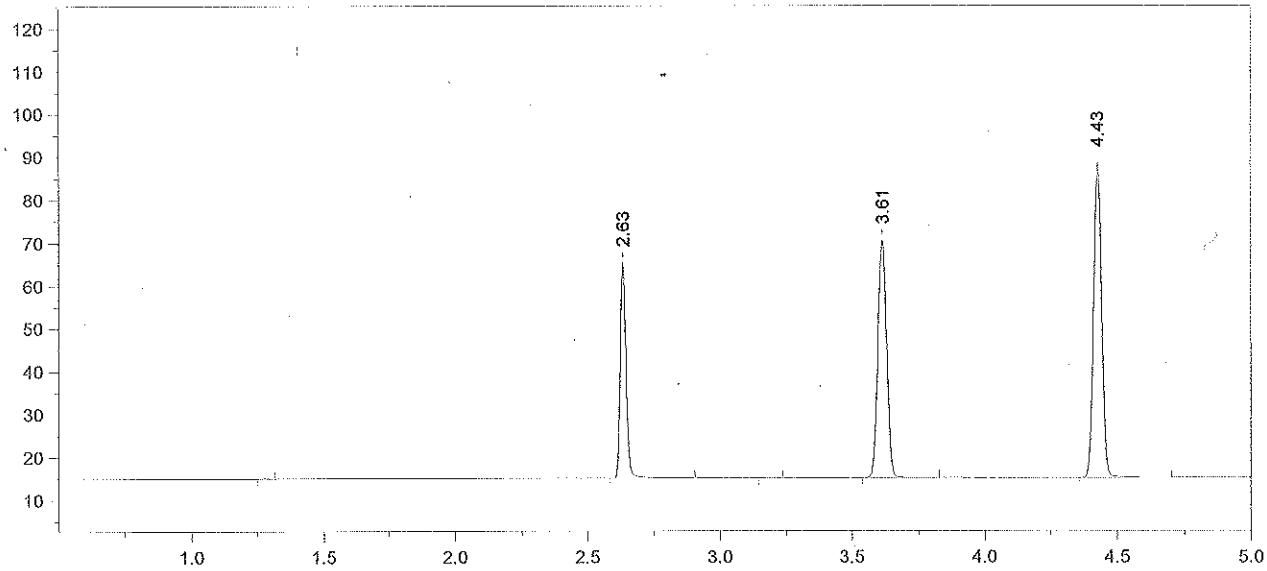


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013 Today's Time = 10:14:19 AM
Bound File Name = SIM05152013.0064.RAW
Sample Name = ALB 0.08
Date Taken = 5/16/2013 10:14:11 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	82611	0.0978	0.0798
4	3.61	t-Butanol	144055	1.0127	0.8265
5	4.43	n-Propanol	167325	1.0000	0.8162

13-05-080 89 RLM

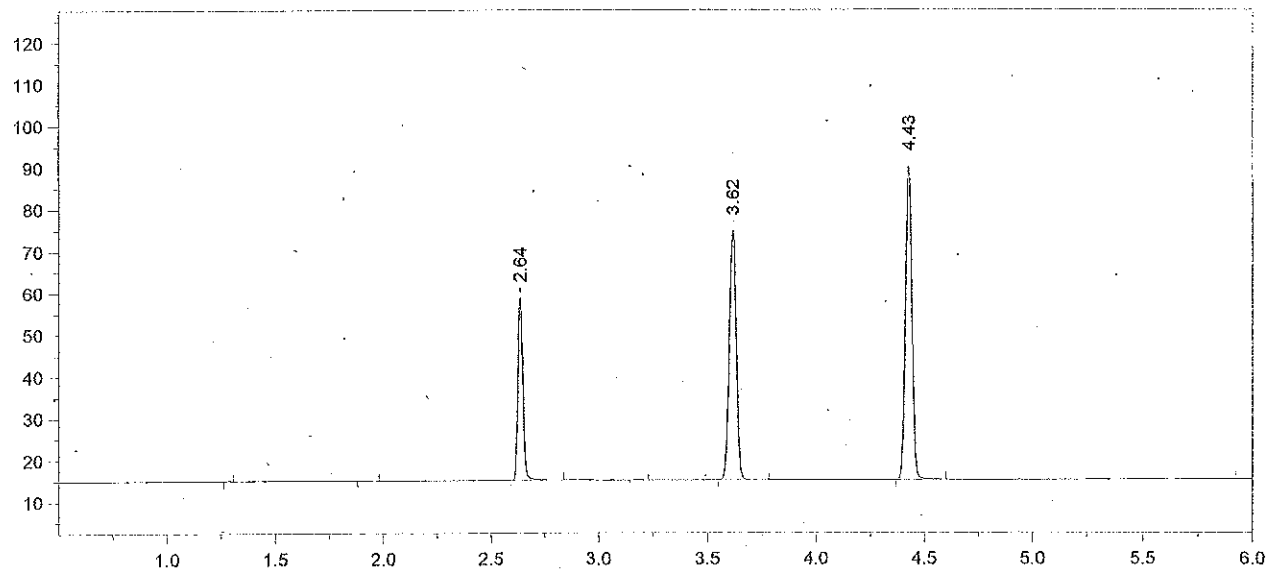


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/16/2013
Today's Time = 10:30:30 AM
Bound File Name = SIM05152013.0065.RAW
Sample Name = ALB 0.08
Date Taken = 5/16/2013 10:30:25 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	76426	0.0976	0.0797
4	3.61	t-Butanol	127996	0.9705	0.7921
5	4.43	n-Propanol	155136	1.0000	0.8162

13-05-080 90 RM

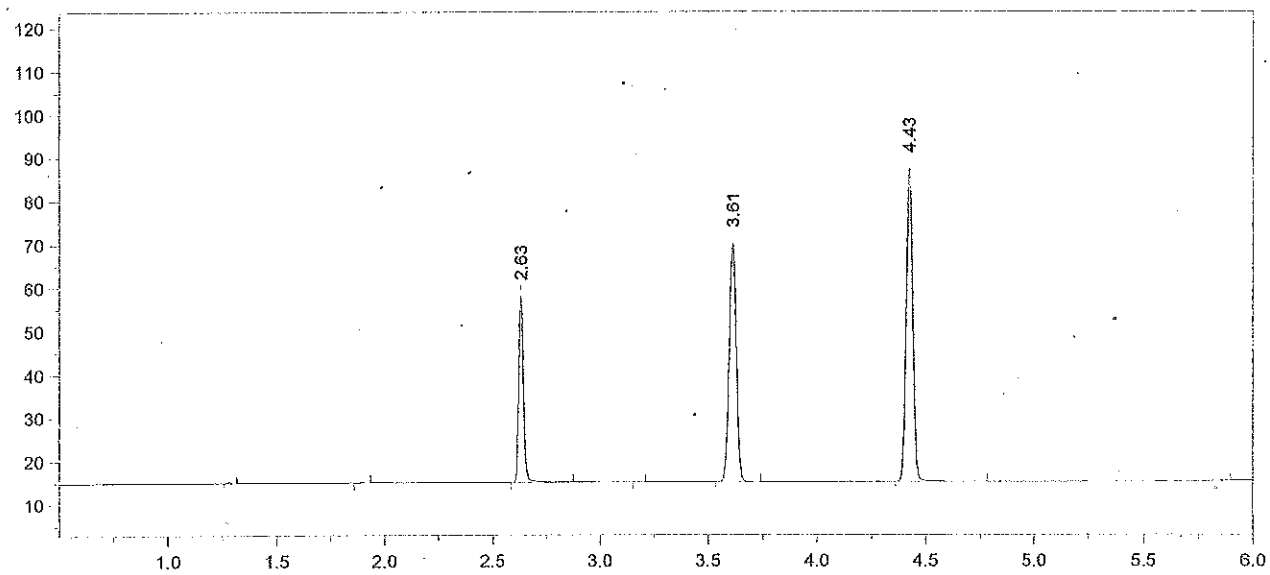


Format File Name = AlcoholVFL.FMT

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

13-05-080 91 RLM



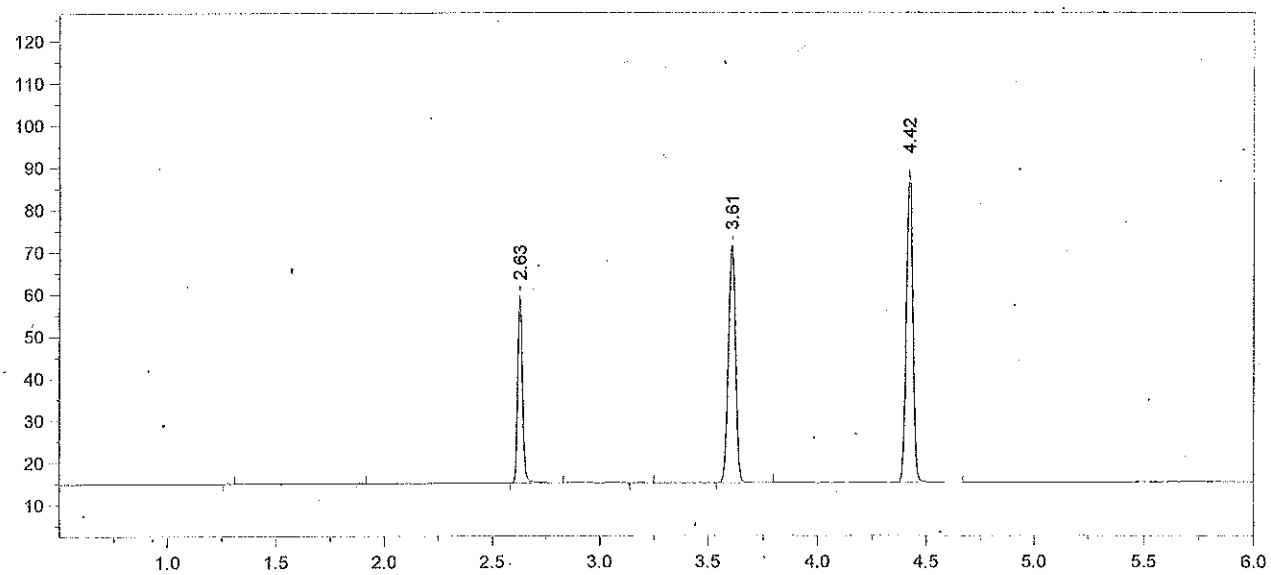
Format File Name = AlcoholVFL.FMT

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
RZZ 5/16/13

13-05-080 92 RZZ

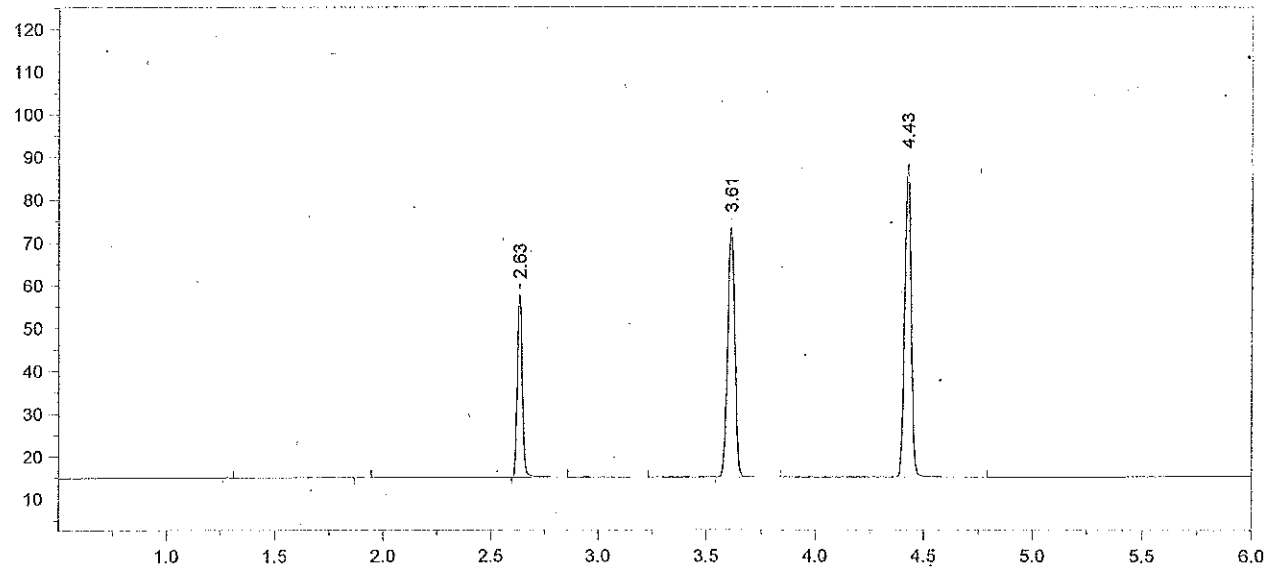


Format File Name = AlcoholVFL.FMT

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

13-05-080 93 RLM



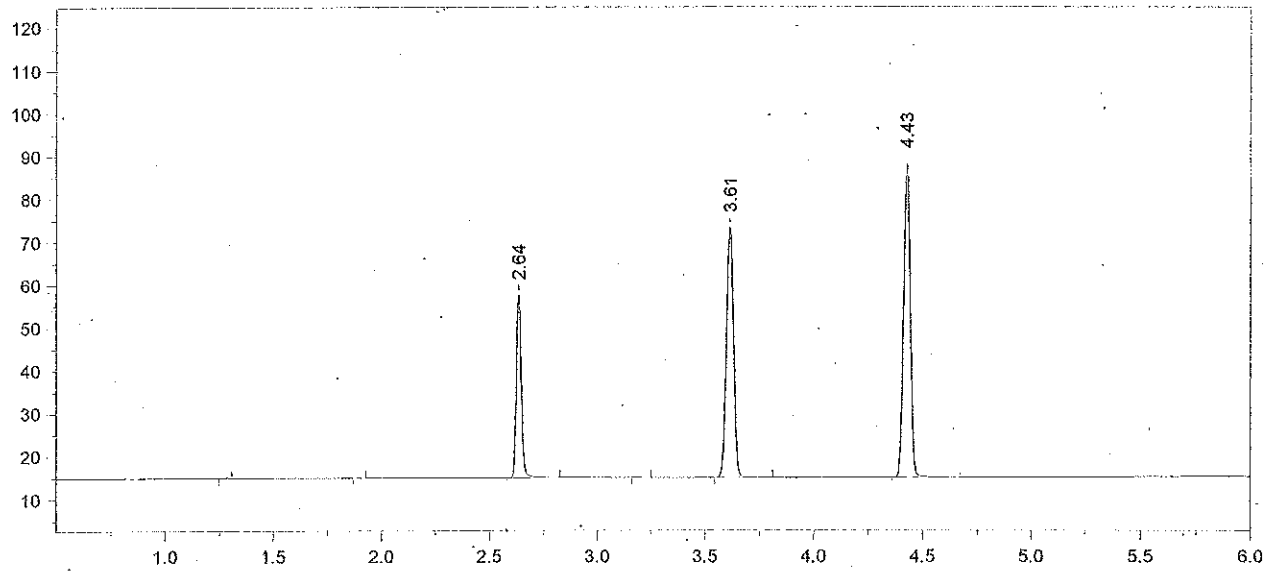
Format File Name = AlcoholVFL.FMT

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

13-05-080 94 RLM

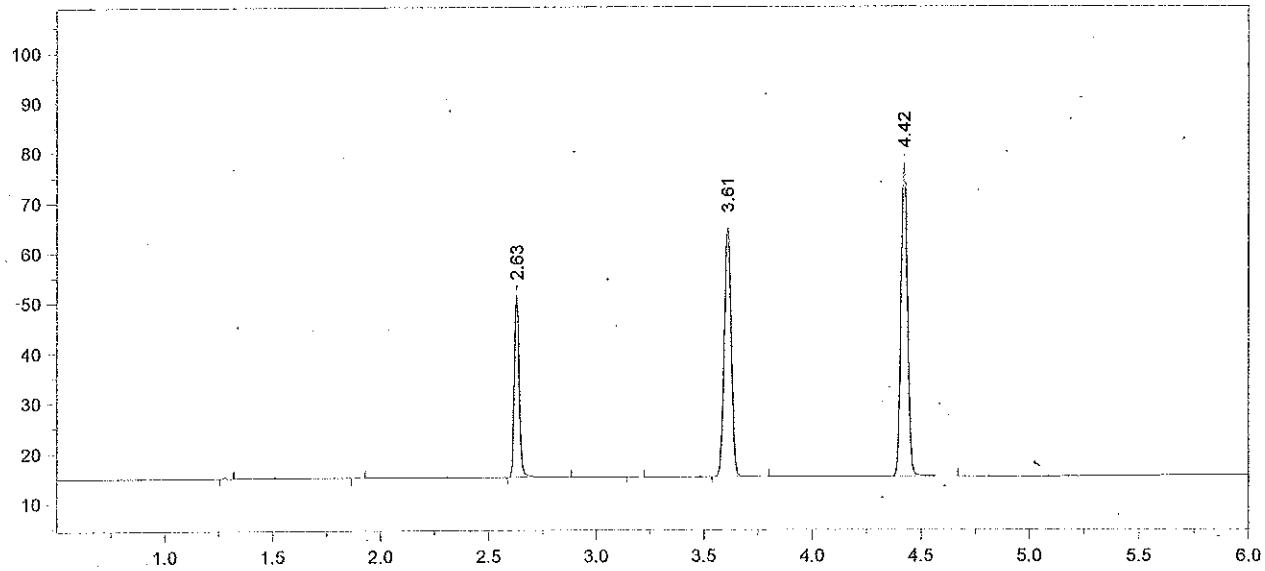


Format File Name = AlcoholVFL.FMT

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

13-05-080 95 RKM



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

13-05-080 96 RLM