0.1 External Standard Solution 20L
Lot # 13-12-100
Prepared 05/30/2013 by ALB
Exp 5/30/2014

ALB Cal VFL05302013 ALB/RLM Vials Analyzed on 5/30/2013	RLM CAL SIM05312013 RLM/ALB Vials Analyzed on 5/31/2013	RLM CAL VFL06042013 RLM/ALB Vials Analyzed on 6/4/2013
0.0991 alb	0.0912 rlm	0.0898 rlm
0.1002	0.0925	0.0873
0.0981	0.0920	0.0893
0.0988	0.0920	0.0875
0.0976	0.0921	0.0899
0.0996	0.0931	0.0878
0.0981	0.0919	0.0900
0.0989 rlm	0.1005 alb	0.0988 alb
0.0974	0.0996	0.1021
0.0982	0.1008	0.1000
0.0981	0.0986	0.1020
0.0995	0.0987	0.1016
0.0971	0.0972	0.1021
0.0990	0.0991	0.1009
Ave. = 0.0986	Ave. = 0.0957	Ave. = 0.0949
Std Dev. = 0.0009	Std Dev. = 0.0038	Std Dev. = 0.0065
Range = 0.0971 - 0.1002	Range = 0.0912-0.1008	Range = 0.0873-0.1021

NOTE: SOLUTION NOT CERTIFIED – FAILED QC CRITERIA TLC 6/12/2013

Headspace Alcohol Analysis Standards Coversheet

Analyst: DLB Date: 5/30/13

6/12/2013

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
% 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		0.021	(Y) N	
5	Standard C		0.085	(Y) N	
6	Standard D		0.200	(Y) N	
7	Standard E		0.404	(Y) N	
~~8~~ 10 RLM 6/12/13	Aqueous QC		0.0786	(Y) N	
~~9~~ 11 RLM 6/12/13	Aqueous QC		0.0816	(Y) N	$\bar{x}$ = 0.080 100% recovery

13-12-100 2 RLM

File Name: C:\Methods\VFL05302013.CAL
Version: 7

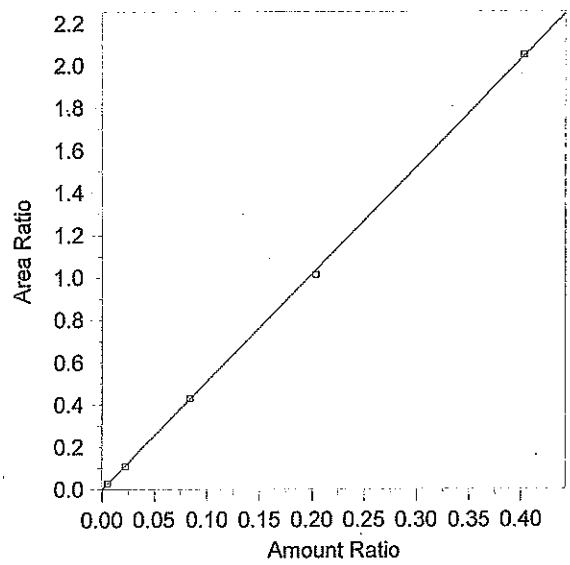
Creator:
Description:
Reason for change:

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:	2.634 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 = 5.070457 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9998281
Average error:	1.727%
Average CF:	5.01336
RSD:	1.852%

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	4536.637	824843.1	-1.917	0.0055	2.735298E-02	C:\Alcohol Data\VFL05302013\VFL05302013.0003.BND	5/30/2013 3:32:47 PM
3	0.0221	16290.3	737117.6	-3.366	0.0221	0.1082857	C:\Alcohol Data\VFL05302013\VFL05302013.0004.BND	5/30/2013 3:50:59 PM
4	0.084	63310.09	753691.6	1.064	0.084	0.4304519	C:\Alcohol Data\VFL05302013\VFL05302013.0005.BND	5/30/2013 4:04:56 PM
5	0.2037	155490.5	763330.9	-1.850	0.2037	1.013741	C:\Alcohol Data\VFL05302013\VFL05302013.0006.BND	5/30/2013 4:22:26 PM
6	0.4026	304487.6	756303.1	0.438	0.4026	2.050304	C:\Alcohol Data\VFL05302013\VFL05302013.0007.BND	5/30/2013 4:35:39 PM

13-12-100 3 RZM

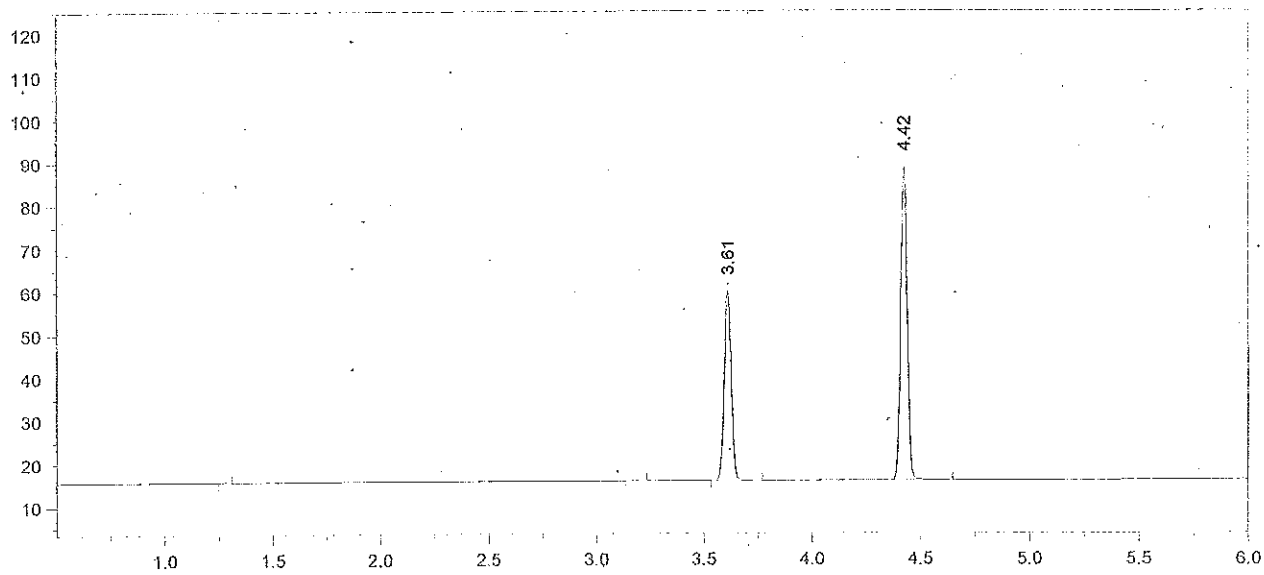
File Name = C:\Alcohol Data\VFL05302013\VFL05302013.SEQ
Version = 2
File Date = 5/30/2013 2:25:47 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL05302013.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL05302013.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL05302013.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	VFL05302013.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	VFL05302013.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	VFL05302013.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	VFL05302013.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	VFL05302013.0008.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
9	VFL05302013.0009.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
10	VFL05302013.0010.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
11	VFL05302013.0011.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
12	VFL05302013.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL05302013.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL05302013.0014.raw	Blood Alc temp VFL.MET	V13-1204 A1-1	1.00	1.00
15	VFL05302013.0015.raw	Blood Alc temp VFL.MET	V13-1204 A1-1	1.00	1.00
16	VFL05302013.0016.raw	simsoln.met	0.1 ALB	1.00	1.00
17	VFL05302013.0017.raw	simsoln.met	0.1 ALB	1.00	1.00
18	VFL05302013.0018.raw	simsoln.met	0.1 ALB	1.00	1.00
19	VFL05302013.0019.raw	simsoln.met	0.1 ALB	1.00	1.00
20	VFL05302013.0020.raw	simsoln.met	0.1 ALB	1.00	1.00
21	VFL05302013.0021.raw	simsoln.met	0.1 ALB	1.00	1.00
22	VFL05302013.0022.raw	simsoln.met	0.1 ALB	1.00	1.00
23	VFL05302013.0023.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
24	VFL05302013.0024.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
25	VFL05302013.0025.raw	simsoln.met	0.1 RLM	1.00	1.00
26	VFL05302013.0026.raw	simsoln.met	0.1 RLM	1.00	1.00
27	VFL05302013.0027.raw	simsoln.met	0.1 RLM	1.00	1.00
28	VFL05302013.0028.raw	simsoln.met	0.1 RLM	1.00	1.00
29	VFL05302013.0029.raw	simsoln.met	0.1 RLM	1.00	1.00
30	VFL05302013.0030.raw	simsoln.met	0.1 RLM	1.00	1.00
31	VFL05302013.0031.raw	simsoln.met	0.1 RLM	1.00	1.00
32	VFL05302013.0032.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
33	VFL05302013.0033.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
34	VFL05302013.0034.raw	simsoln.met	0.16 ALB	1.00	1.00
35	VFL05302013.0035.raw	simsoln.met	0.16 ALB	1.00	1.00
36	VFL05302013.0036.raw	simsoln.met	0.16 ALB	1.00	1.00
37	VFL05302013.0037.raw	simsoln.met	0.16 ALB	1.00	1.00
38	VFL05302013.0038.raw	simsoln.met	0.16 ALB	1.00	1.00
39	VFL05302013.0039.raw	simsoln.met	0.16 ALB	1.00	1.00
40	VFL05302013.0040.raw	simsoln.met	0.16 ALB	1.00	1.00
41	VFL05302013.0041.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
42	VFL05302013.0042.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
43	VFL05302013.0043.raw	simsoln.met	0.16 RLM	1.00	1.00
44	VFL05302013.0044.raw	simsoln.met	0.16 RLM	1.00	1.00
45	VFL05302013.0045.raw	simsoln.met	0.16 RLM	1.00	1.00
46	VFL05302013.0046.raw	simsoln.met	0.16 RLM	1.00	1.00
47	VFL05302013.0047.raw	simsoln.met	0.16 RLM	1.00	1.00
48	VFL05302013.0048.raw	simsoln.met	0.16 RLM	1.00	1.00
49	VFL05302013.0049.raw	simsoln.met	0.16 RLM	1.00	1.00
50	VFL05302013.0050.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
51	VFL05302013.0051.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

Evidentiary WB samples not included

other [x] sim solution not included 6/4/13 MB

13-12-100 4 RLM

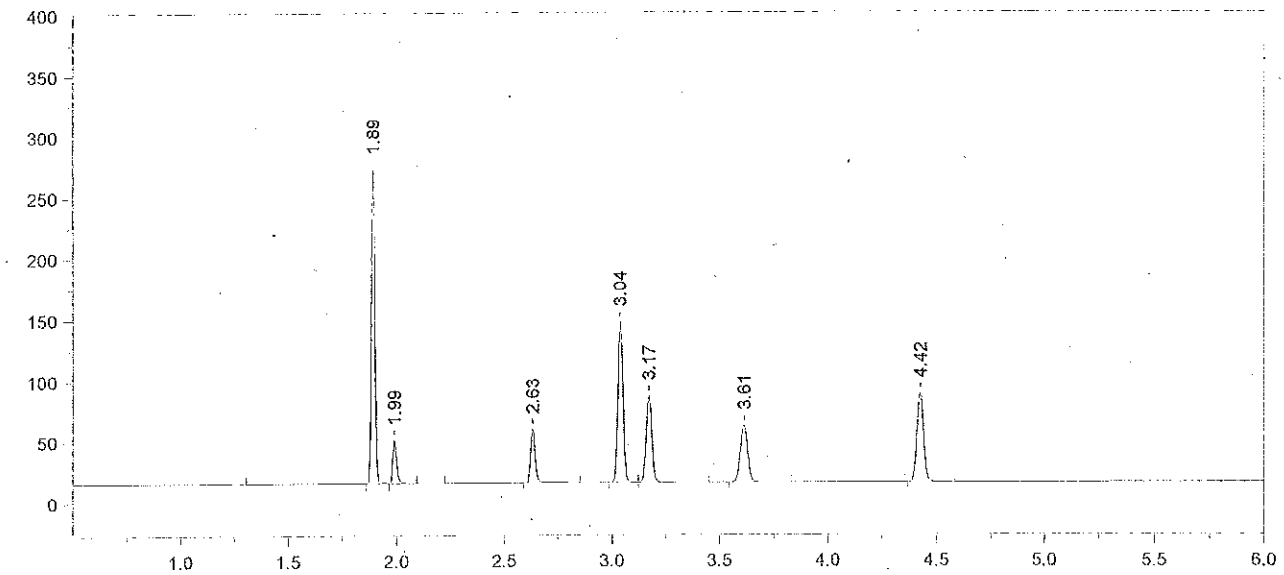


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:16:15 AM
Bound File Name = VFL05302013.0001.RAW
Sample Name = Blank
Date Taken = 5/30/2013 3:01:25 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.61	t-Butanol	101229	0.9625
4	4.42	n-Propanol	153371	1.0000

13-12-100 5 RZM

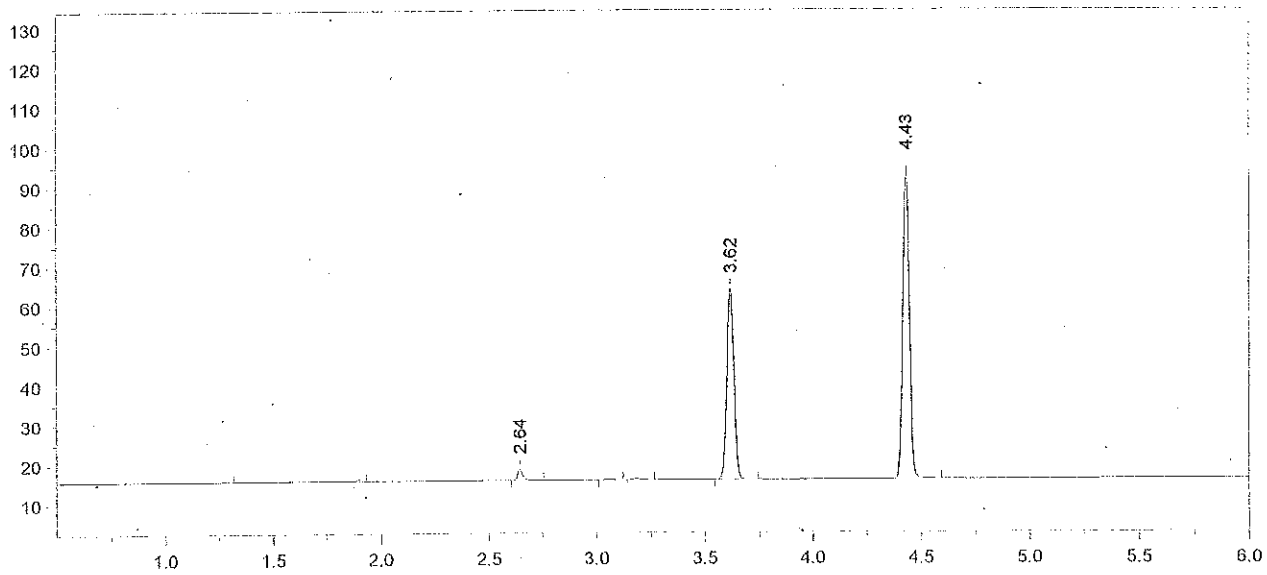


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:16:24 AM
Bound File Name = VFL05302013.0002.RAW
Sample Name = TMX
Date Taken = 5/30/2013 3:19:30 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.89	Acetaldehyde	287952	0.0720
3	1.99	Methanol	41259	0.1210
4	2.63	Ethanol	67047	0.0864
5	3.04	Acetone	221451	0.0690
6	3.17	Isopropanol	131617	0.0830
7	3.61	t-Butanol	107330	1.0221
8	4.42	n-Propanol	153125	1.0000

13-12-100 6 RLM

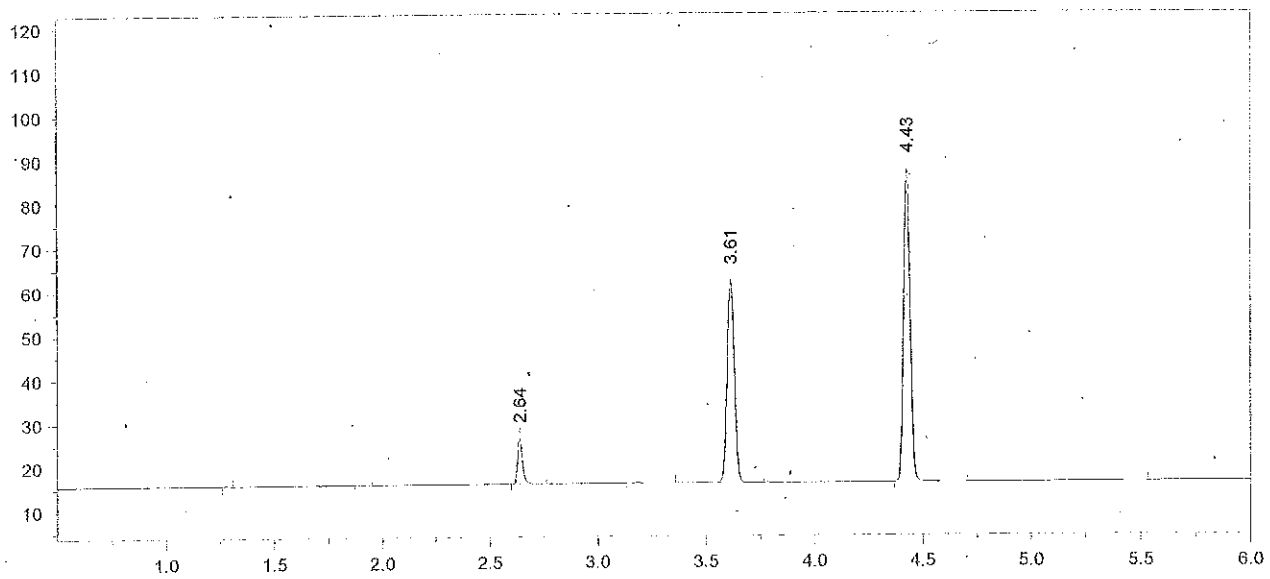


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:16:29 AM
Bound File Name = VFL05302013.0003.RAW
Sample Name = STD A
Date Taken = 5/30/2013 3:32:37 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	04537	0.0054
6	3.62	t-Butanol	110595	0.9724
7	4.43	n-Propanol	165855	1.0000

13-12-100 7 RLM

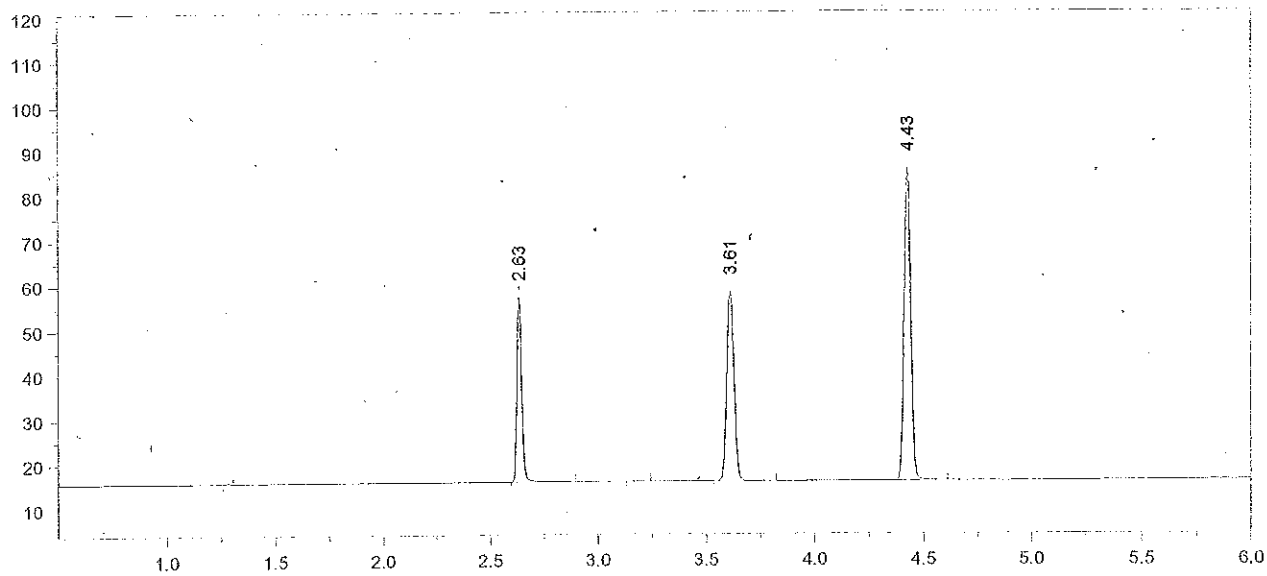


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:16:35 AM
Bound File Name = VFL05302013.0004.RAW
Sample Name = STD B
Date Taken = 5/30/2013 3:50:54 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	16290	0.0214
5	3.61	t-Butanol	106251	1.0299
6	4.43	n-Propanol	150438	1.0000

13-12-100 8 RLM

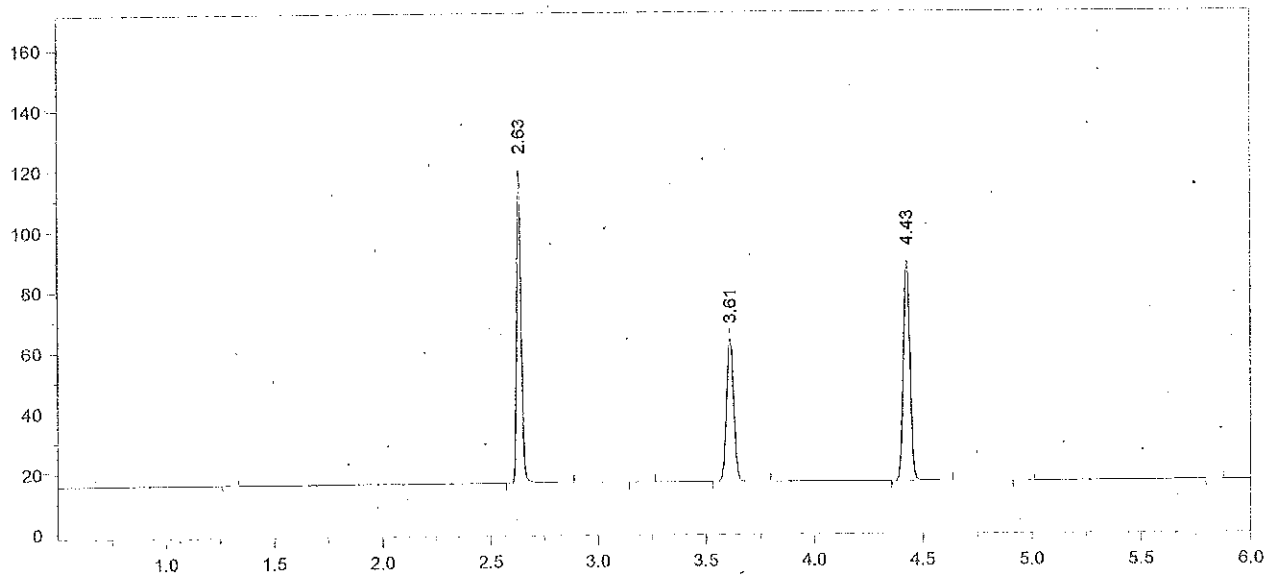


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:16:41 AM
Bound File Name = VFL05302013.0005.RAW
Sample Name = STD C
Date Taken = 5/30/2013 4:04:52 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	63310	0.0849
4	3.61	t-Butanol	98098	0.9726
5	4.43	n-Propanol	147078	1.0000

13-12-100 9

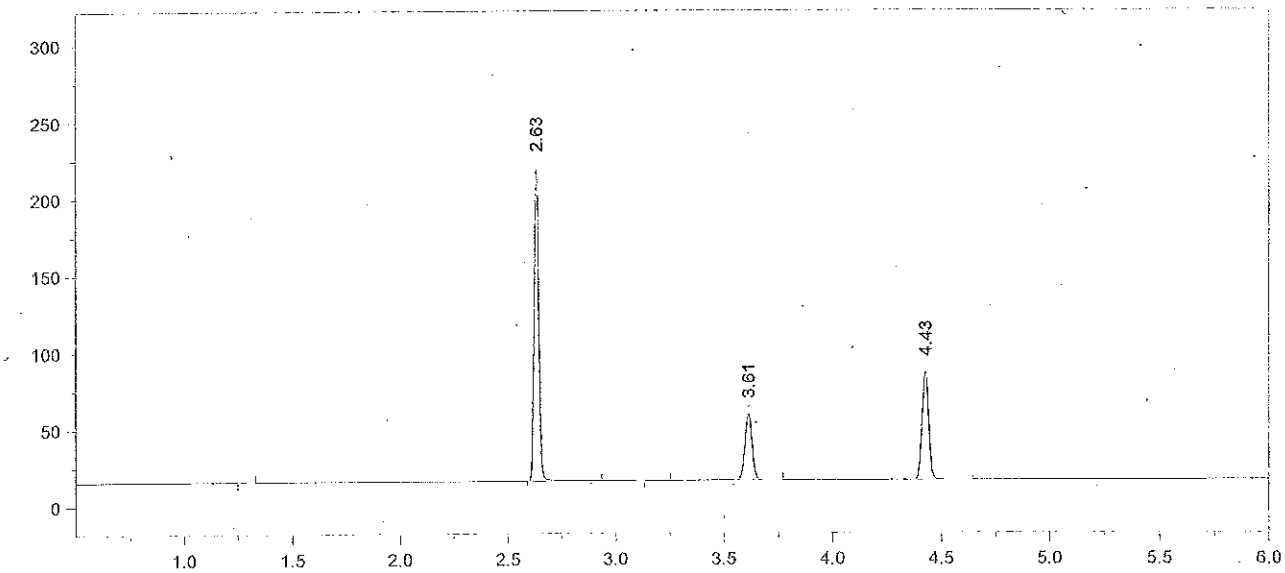


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:16:46 AM
Bound File Name = VFL05302013.0006.RAW
Sample Name = STD D
Date Taken = 5/30/2013 4:22:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	155491	0.1999
4	3.61	t-Butanol	108454	1.0311
5	4.43	n-Propanol	153383	1.0000

13-12-100 10 [illegible]

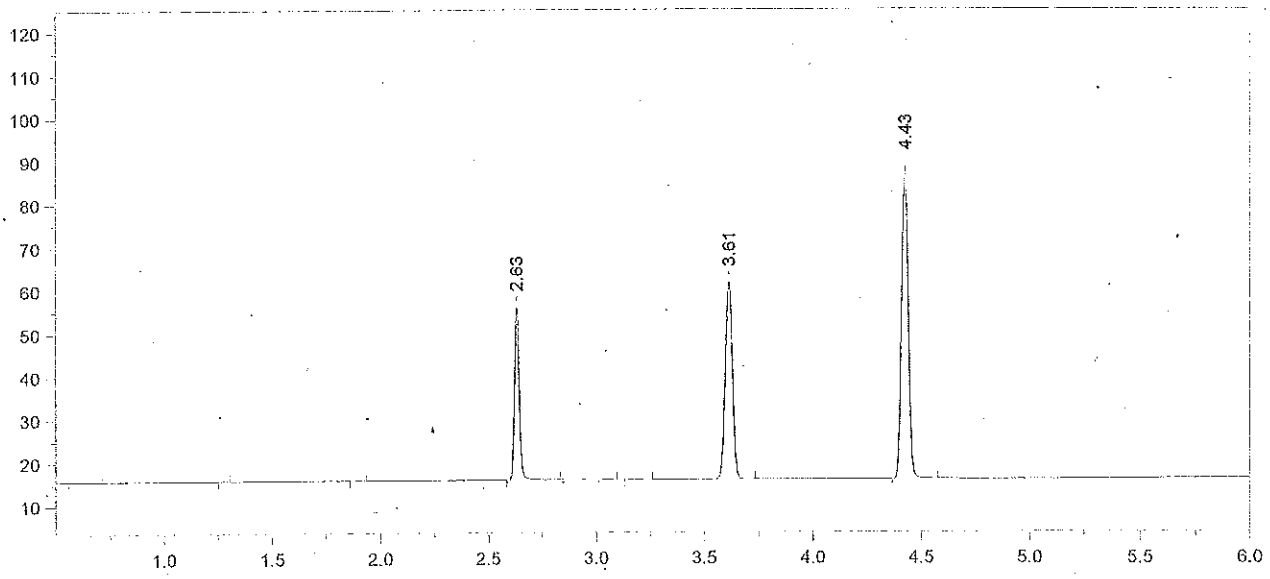


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:16:52 AM
Bound File Name = VFL05302013.0007.RAW
Sample Name = STD E
Date Taken = 5/30/2013 4:35:31 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	304488	0.4044
4	3.61	t-Butanol	98963	0.9718
5	4.43	n-Propanol	148509	1.0000

13-12-100 11 RM

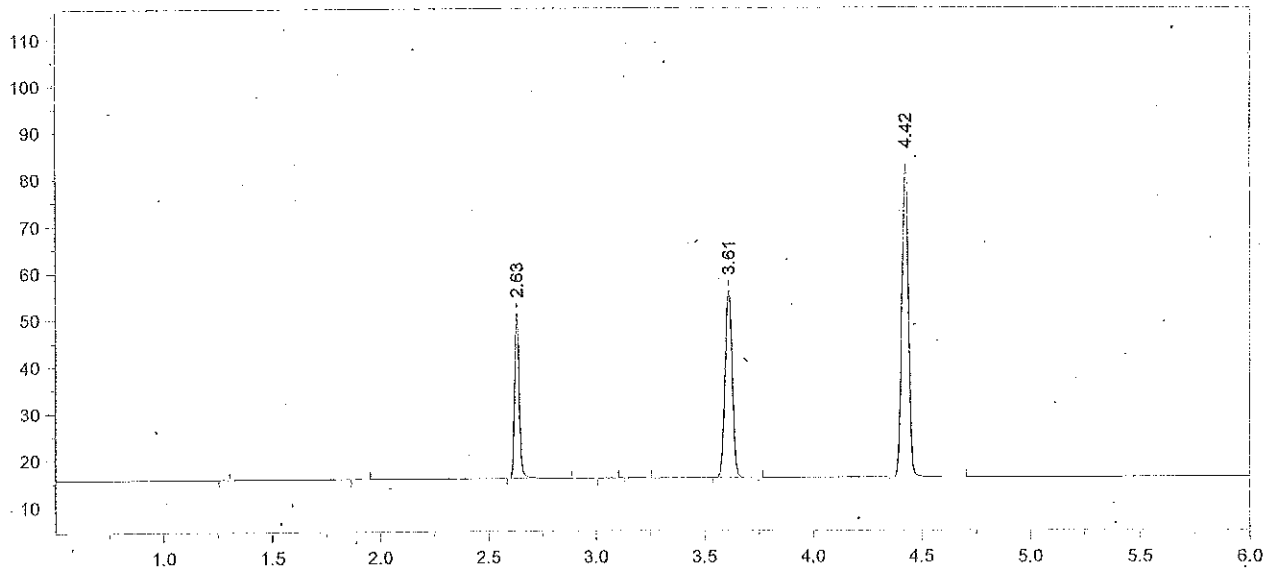


Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 4:52:08 PM
Bound File Name = VFL05302013.0008.RAW
Sample Name = WB QC
Date Taken = 5/30/2013 4:52:00 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	61062	0.0787
6	3.61	t-Butanol	105122	1.0013
7	4.43	n-Propanol	153092	1.0000

13-12-100 12



Format File Name = AlcoholVFL.FMT

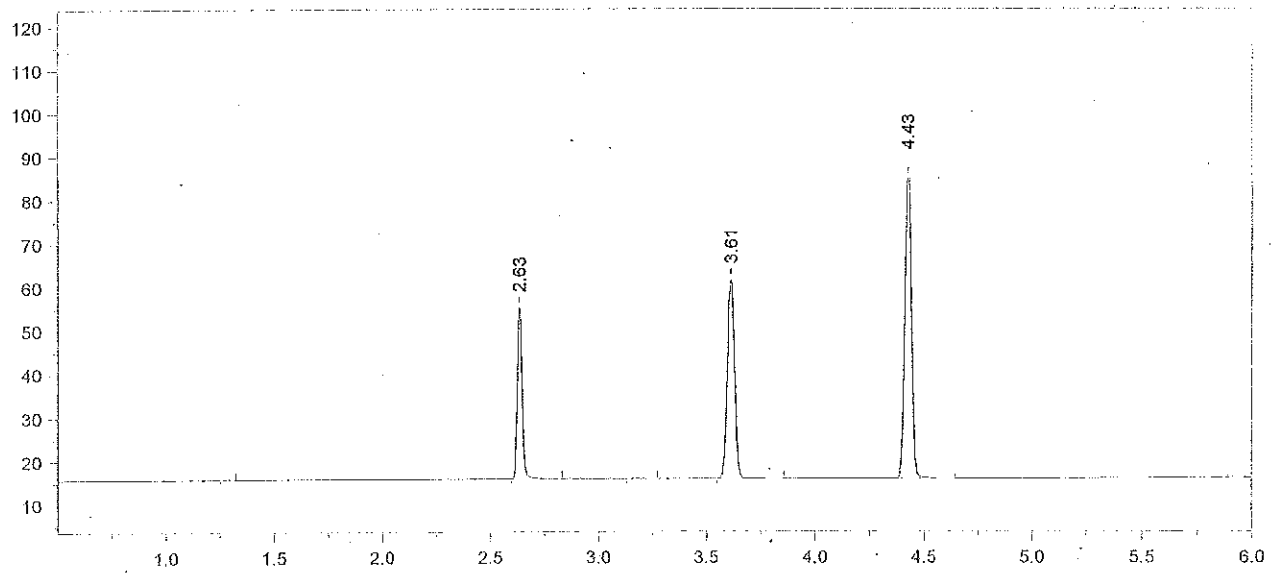
Today's Date = 5/30/2013
Today's Time = 5:07:37 PM
Bound File Name = VFL05302013.0009.RAW
Sample Name = WB QC
Date Taken = 5/30/2013 5:07:33 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	54462	0.0759
6	3.61	t-Butanol	92026	0.9481
7	4.42	n-Propanol	141551	1.0000

Cliniqa WB Control
Lot # 091120A
TV = 0.076

Vial 8+9 Avg = 0.077
102% recovery
6/4/13 AB

13-12-100 13 RLM

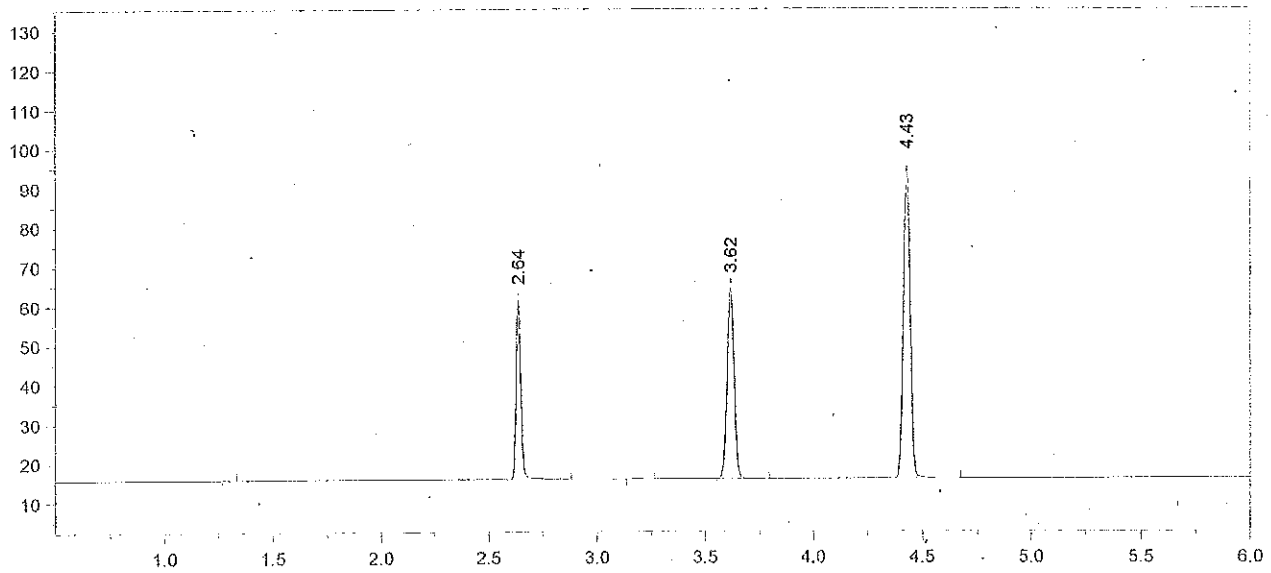


Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 5:23:39 PM
Bound File Name = VFL05302013.0010.RAW
Sample Name = AQ QC
Date Taken = 5/30/2013 5:23:34 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	60515	0.0786
4	3.61	t-Butanol	105876	1.0171
5	4.43	n-Propanol	151800	1.0000

13-12-100 14 RLM

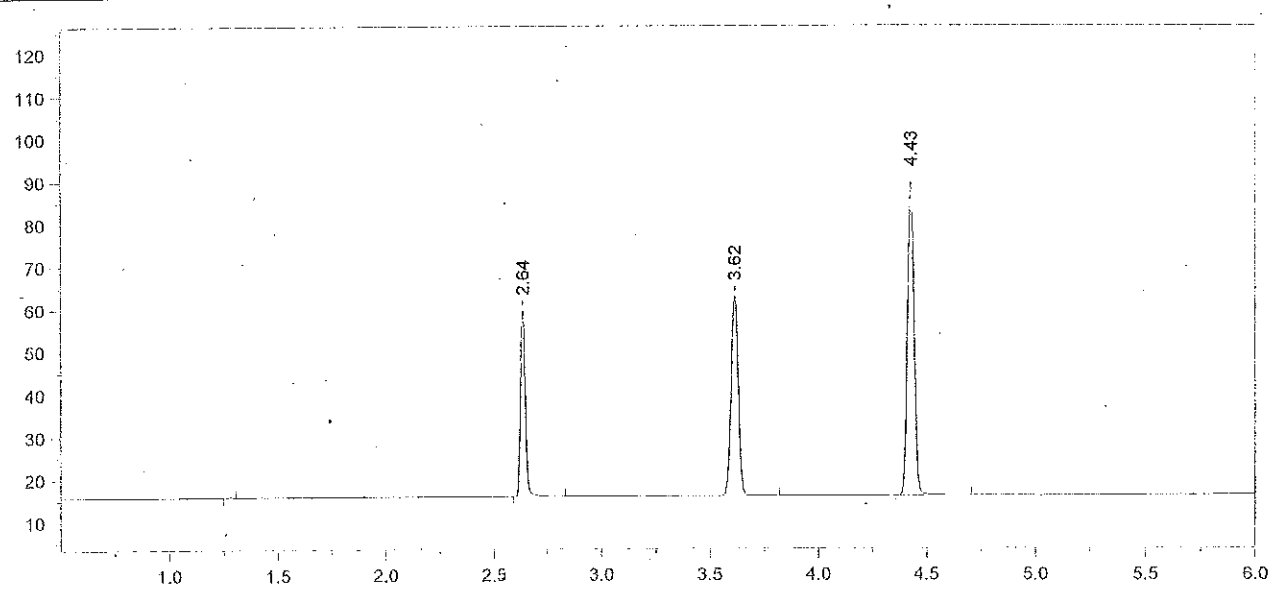


Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 5:38:00 PM
Bound File Name = VFL05302013.0011.RAW
Sample Name = AQ QC
Date Taken = 5/30/2013 5:37:54 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	69233	0.0816
4	3.62	t-Butanol	111249	0.9698
5	4.43	n-Propanol	167286	1.0000

13-12-100 15 RKM

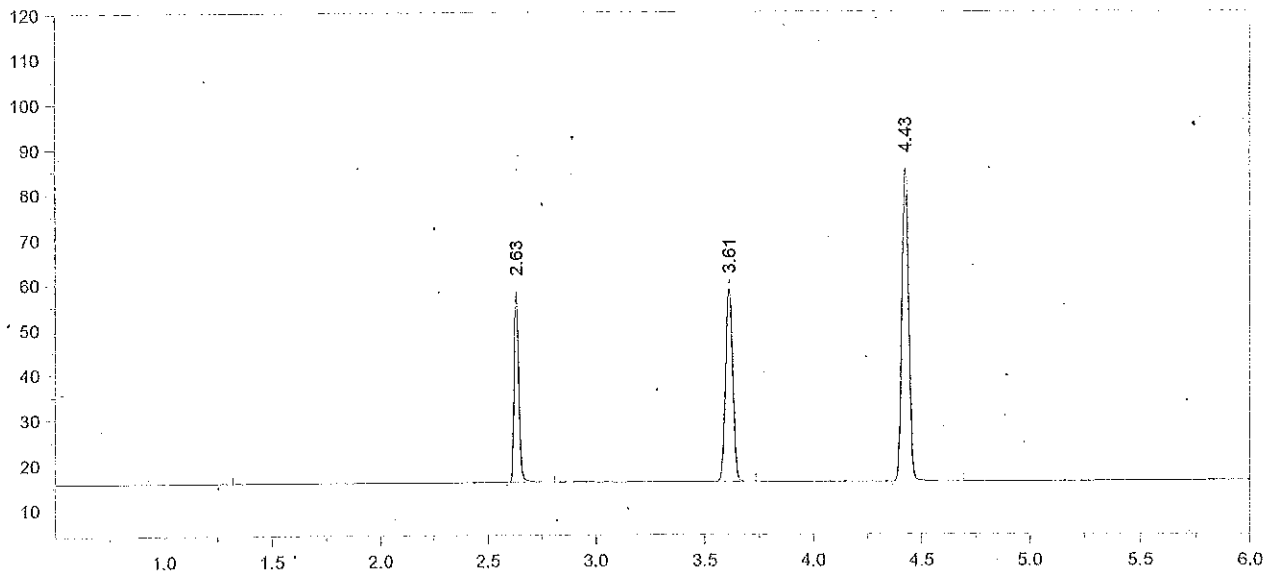


Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 5:53:23 PM
Bound File Name = VFL05302013.0012.RAW
Sample Name = CCS
Date Taken = 5/30/2013 5:53:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	66723	0.0842
3	3.62	t-Butanol	108453	1.0125
4	4.43	n-Propanol	156202	1.0000

13-12-100 16 RM



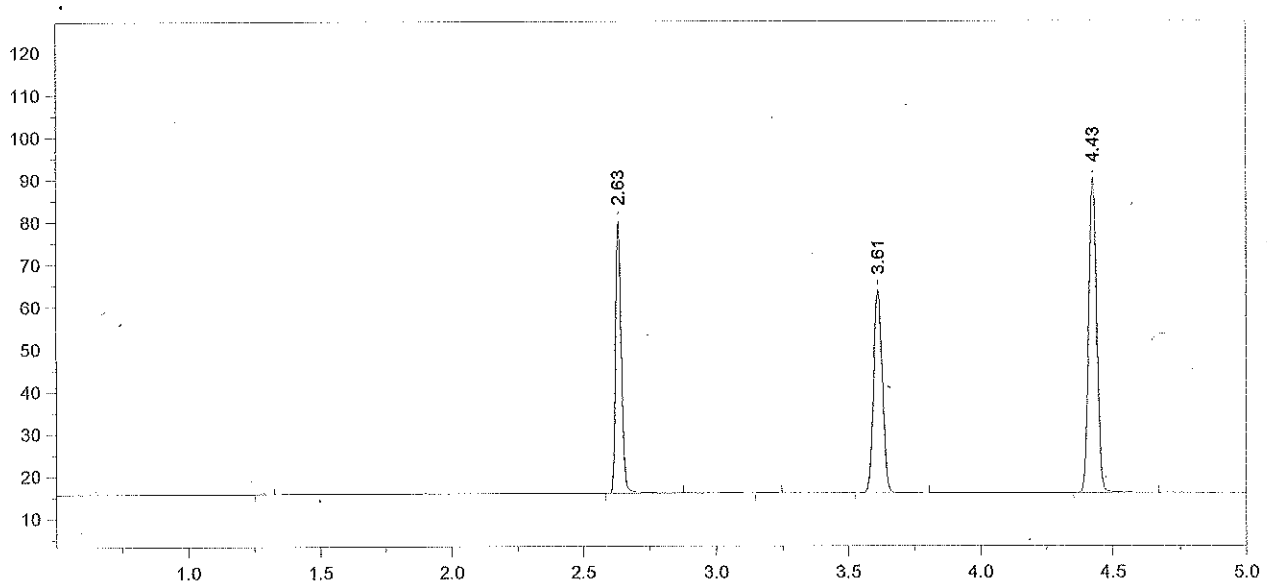
Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 6:08:51 PM
Bound File Name = VFL05302013.0013.RAW
Sample Name = CCS
Date Taken = 5/30/2013 6:08:41 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	64118	0.0855
3	3.61	t-Butanol	98088	0.9675
4	4.43	n-Propanol	147840	1.0000

Avg vial 12 + 13 = 0.085 ACS 6/4/13

13-12-100 17 RZM

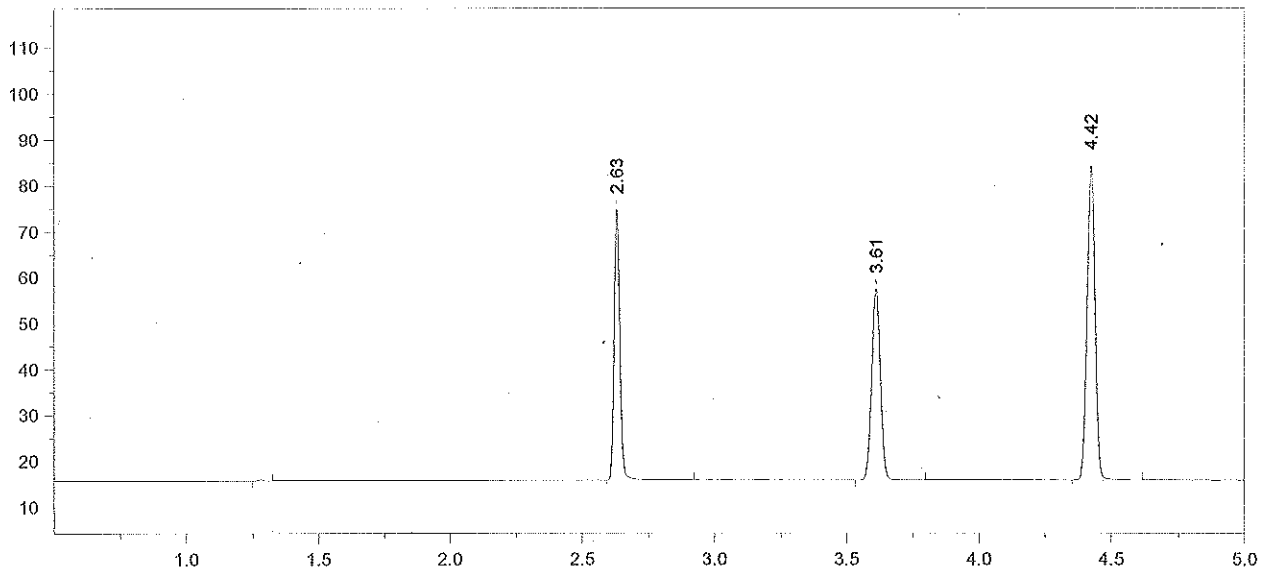


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 6:56:19 PM
Bound File Name = VFL05302013.0016.RAW
Sample Name = 0.1 ALB
Date Taken = 5/30/2013 6:56:15 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	97233	0.1214	0.0991
4	3.61	t-Butanol	109989	1.0151	0.8285
5	4.43	n-Propanol	158005	1.0000	0.8162

13-12-100 18 RZM

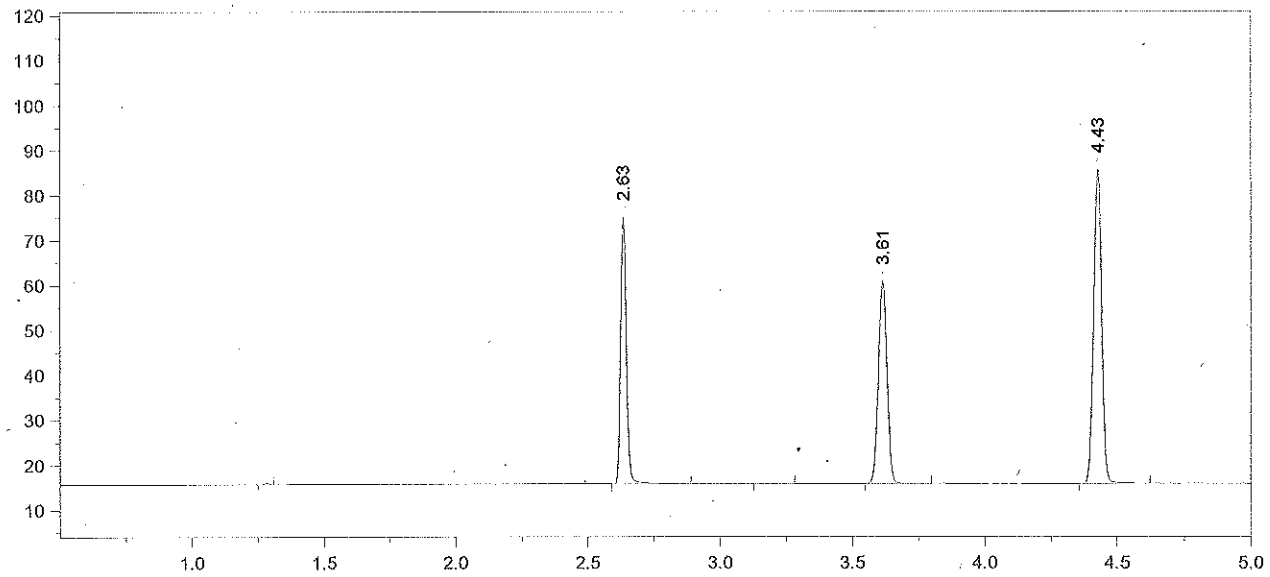


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013 Today's Time = 7:10:02 PM
Bound File Name = VFL05302013.0017.RAW
Sample Name = 0.1 ALB
Date Taken = 5/30/2013 7:09:55 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	89644	0.1227	0.1002
3	3.61	t-Butanol	95886	0.9707	0.7923
4	4.42	n-Propanol	144043	1.0000	0.8162

13-12-100 19 RdM

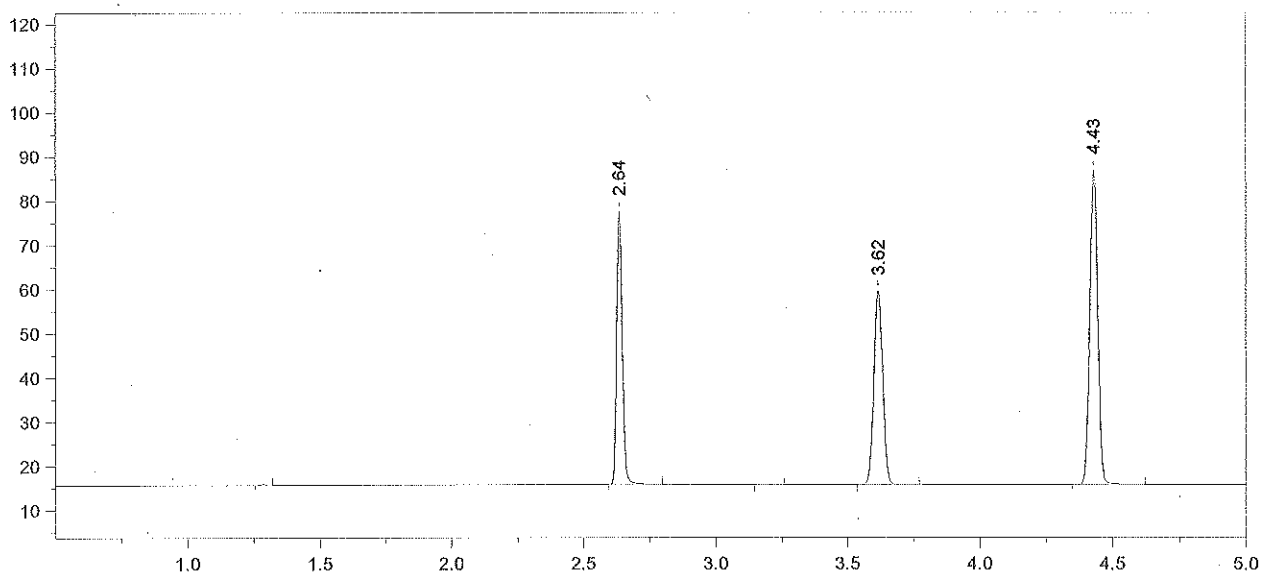


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013 Today's Time = 7:27:47 PM
Bound File Name = VFL05302013.0018.RAW
Sample Name = 0.1 ALB
Date Taken = 5/30/2013 7:27:41 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	89895	0.1202	0.0981
4	3.61	t-Butanol	103915	1.0276	0.8387
5	4.43	n-Propanol	147467	1.0000	0.8162

13-12-100 20 RJM

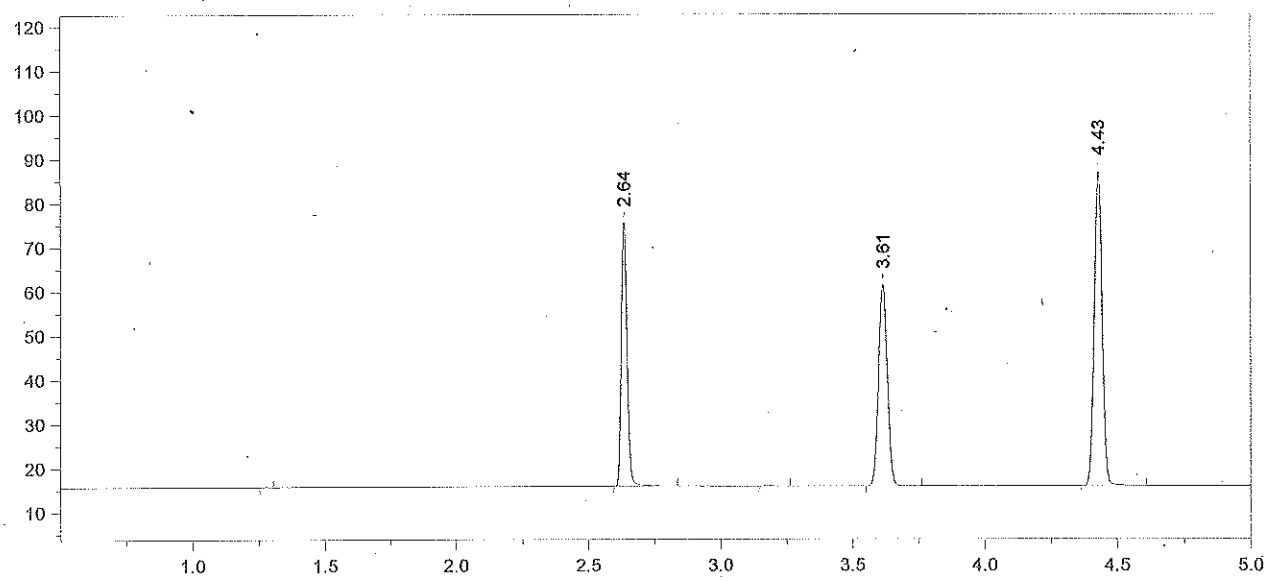


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013 Today's Time = 7:41:27 PM
Bound File Name = VFL05302013.0019.RAW
Sample Name = 0.1 ALB
Date Taken = 5/30/2013 7:41:22 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	92404	0.1211	0.0988
4	3.62	t-Butanol	100846	0.9771	0.7975
5	4.43	n-Propanol	150514	1.0000	0.8162

13-12-100 21 RLm

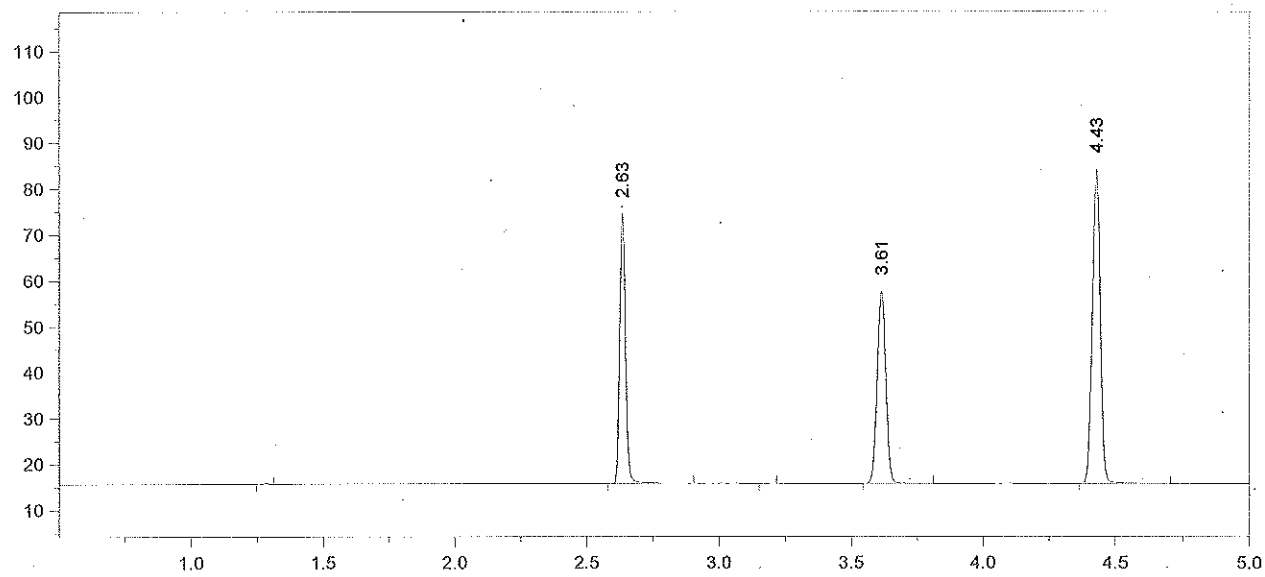


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 7:59:14 PM
Bound File Name = VFL05302013.0020.RAW
Sample Name = 0.1 ALB
Date Taken = 5/30/2013 7:59:05 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	91148	0.1196	0.0976
4	3.61	t-Butanol	105371	1.0225	0.8345
5	4.43	n-Propanol	150282	1.0000	0.8162

13-12-100 22

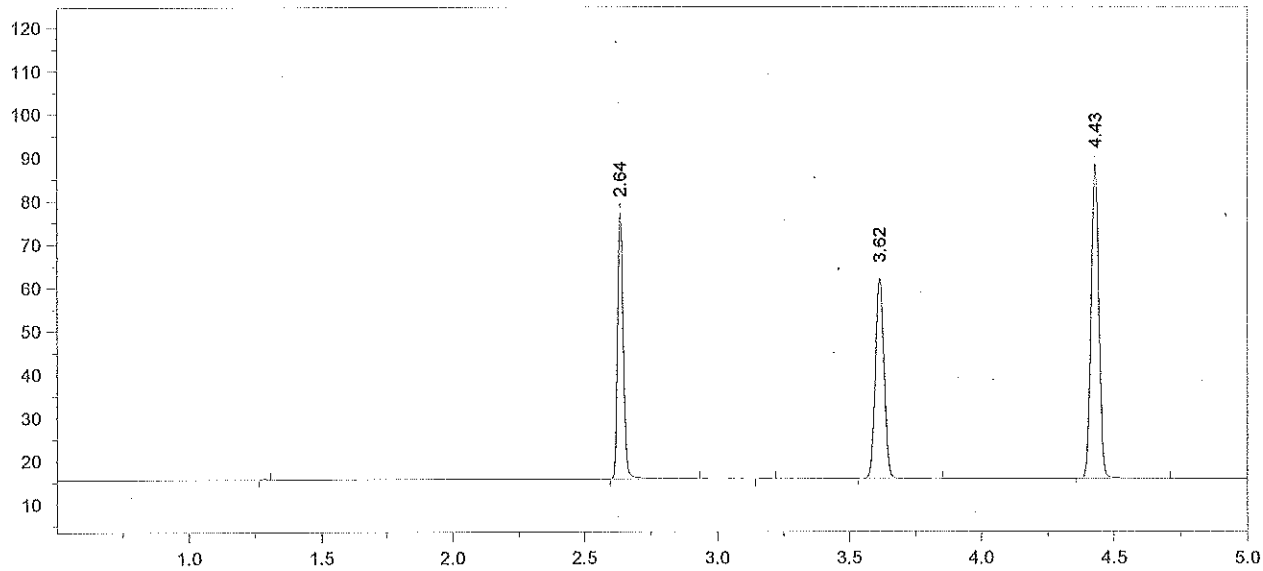


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013 Today's Time = 8:12:47 PM
Bound File Name = VFL05302013.0021.RAW
Sample Name = 0.1 ALB
Date Taken = 5/30/2013 8:12:43 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	89394	0.1221	0.0996
4	3.61	t-Butanol	96915	0.9786	0.7988
5	4.43	n-Propanol	144415	1.0000	0.8162

13-12-100 23 RZM

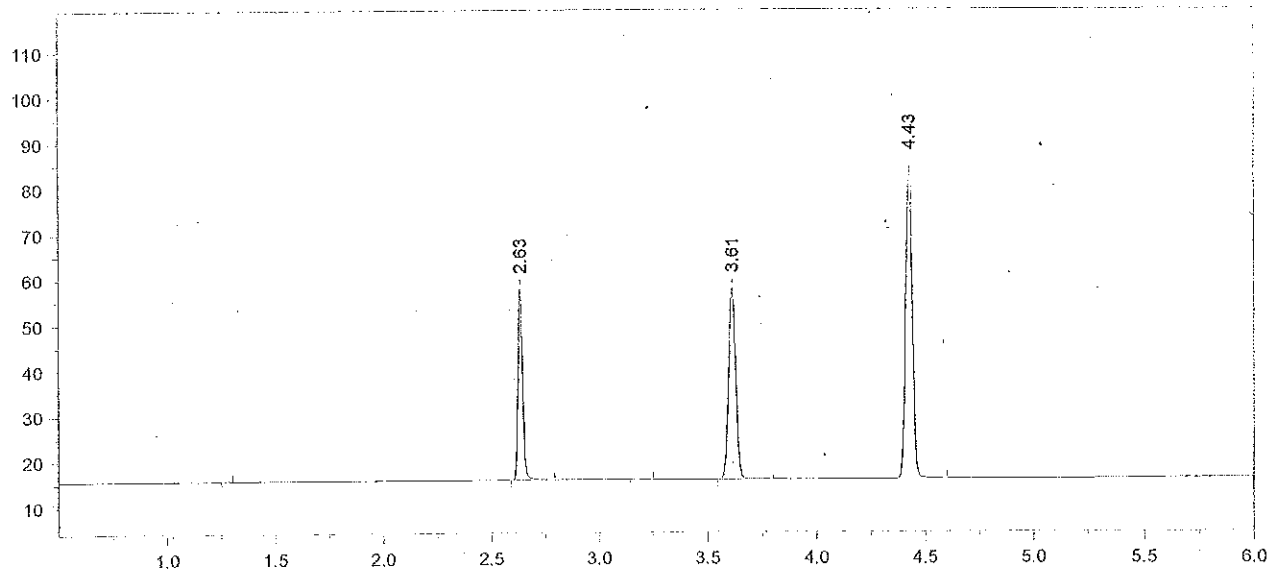


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 8:30:36 PM
Bound File Name = VFL05302013.0022.RAW
Sample Name = 0.1 ALB
Date Taken = 5/30/2013 8:30:30 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	93210	0.1202	0.0981
4	3.62	t-Butanol	106669	1.0169	0.8300
5	4.43	n-Propanol	152963	1.0000	0.8162

13-12-100 24 KLM

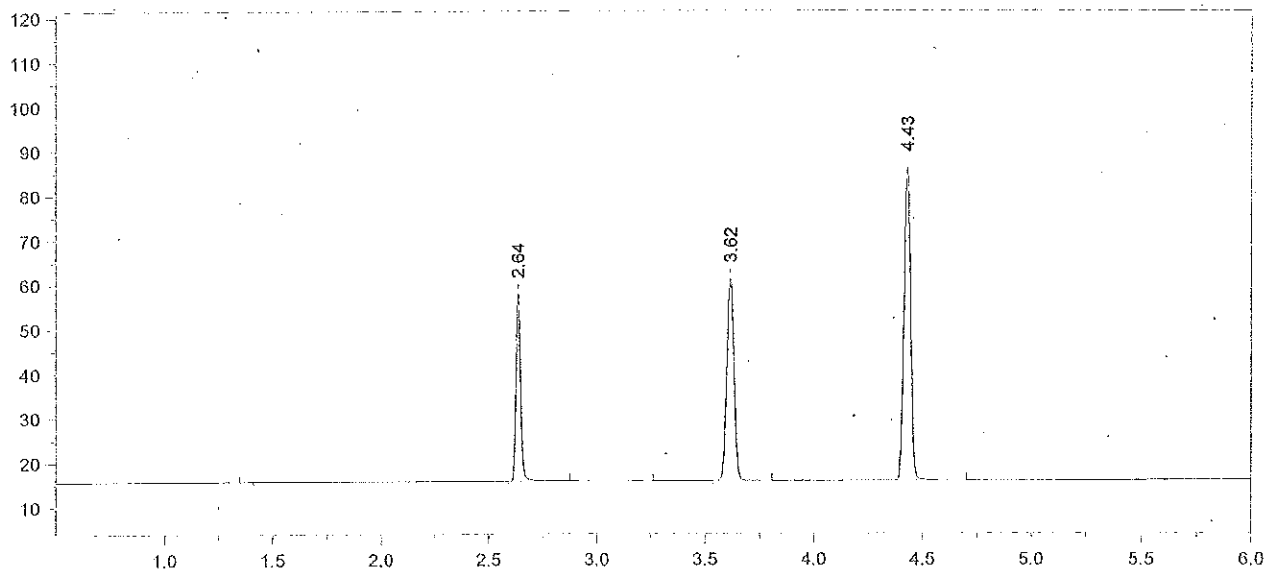


Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 8:44:21 PM
Bound File Name = VFL05302013.0023.RAW
Sample Name = CCS
Date Taken = 5/30/2013 8:44:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	63315	0.0859
4	3.61	t-Butanol	96764	0.9702
5	4.43	n-Propanol	145445	1.0000

13-12-100 25 RLM



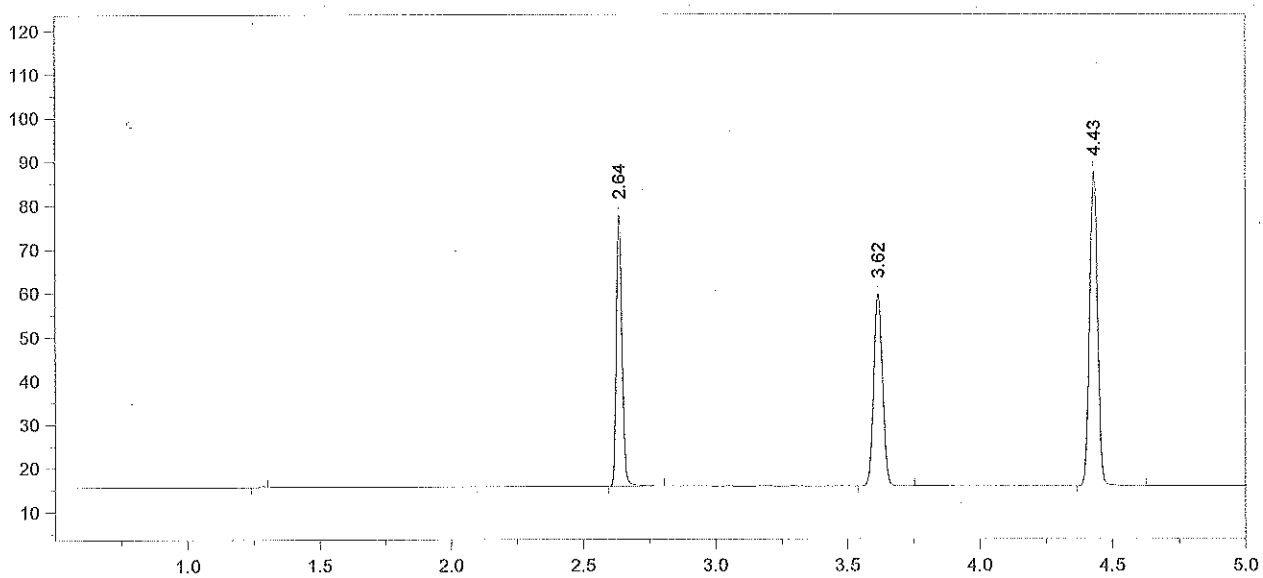
Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 9:01:59 PM
Bound File Name = VFL05302013.0024.RAW
Sample Name = CCS
Date Taken = 5/30/2013 9:01:54 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	64201	0.0847
4	3.62	t-Butanol	105012	1.0241
5	4.43	n-Propanol	149530	1.0000

Avg vial 23+ 24 = 0.085 [illegible] 6/4/13

13-12-100 26 [illegible]

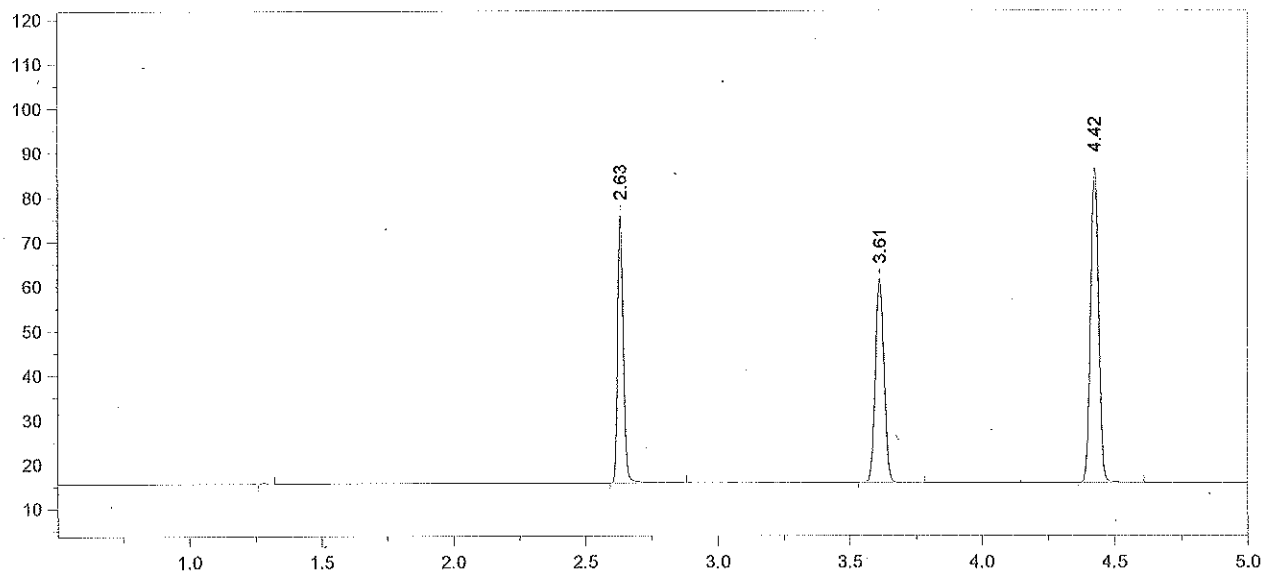


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 9:15:40 PM
Bound File Name = VFL05302013.0025.RAW
Sample Name = 0.1 RLM
Date Taken = 5/30/2013 9:15:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	93138	0.1211	0.0989
3	3.62	t-Butanol	101086	0.9719	0.7933
4	4.43	n-Propanol	151668	1.0000	0.8162

13-12-100 27 RLM

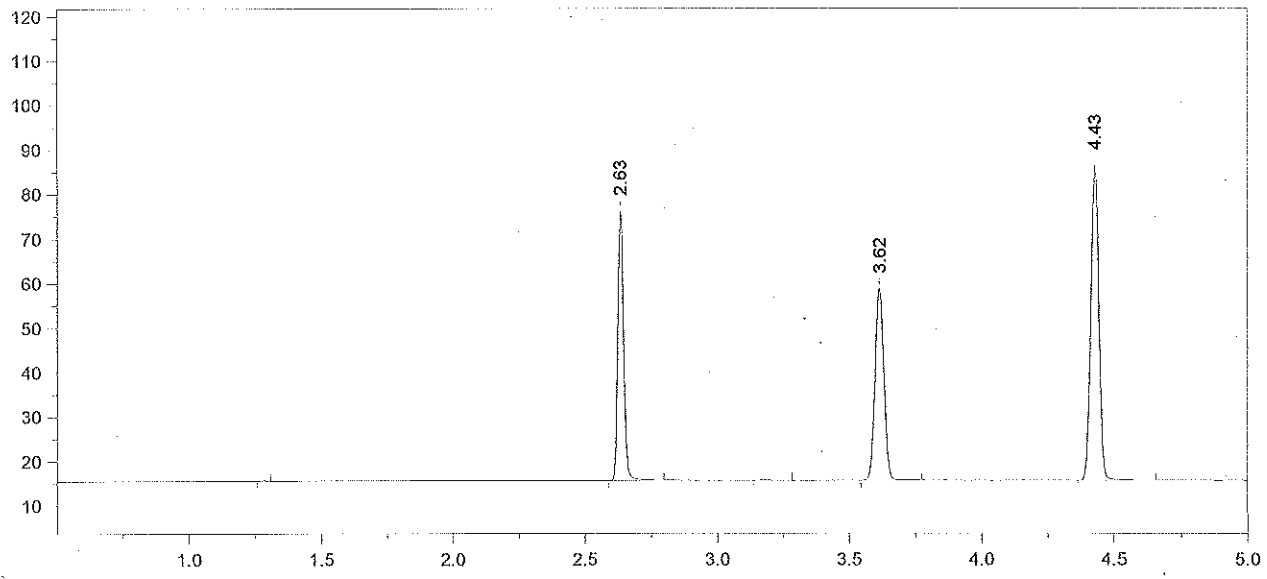


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 9:33:27 PM
Bound File Name = VFL05302013.0026.RAW
Sample Name = 0.1 RLM
Date Taken = 5/30/2013 9:33:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	90630	0.1193	0.0974
3	3.61	t-Butanol	105223	1.0245	0.8362
4	4.42	n-Propanol	149772	1.0000	0.8162

13-12-100 28 RLM

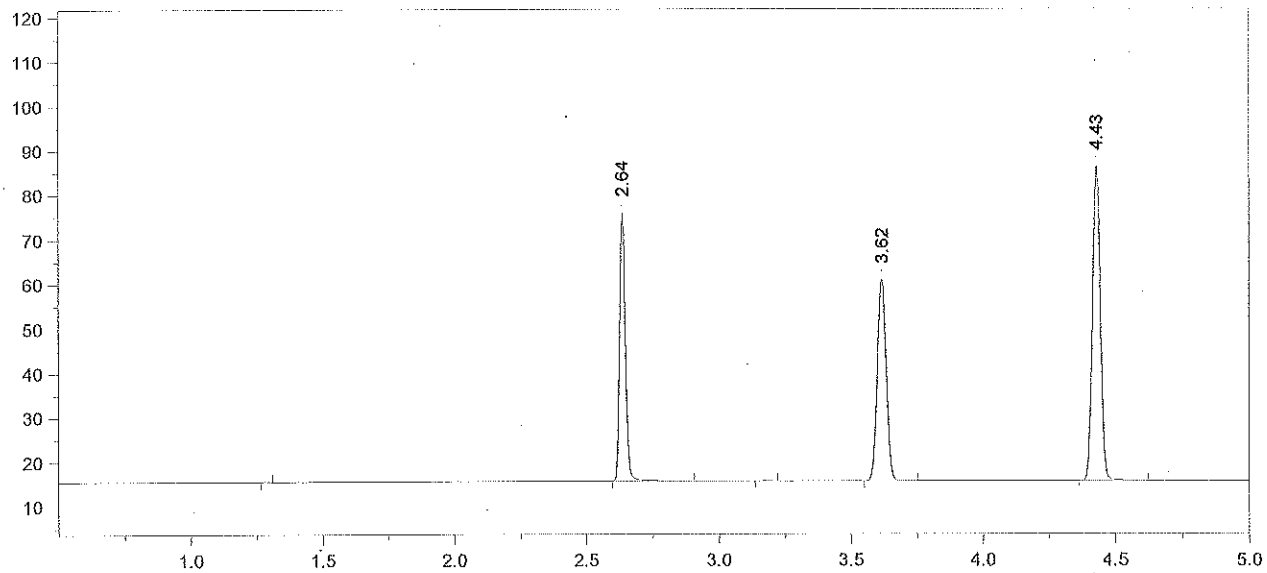


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013 Today's Time = 9:46:37 PM
Bound File Name = VFL05302013.0027.RAW
Sample Name = 0.1 RLM
Date Taken = 5/30/2013 9:46:31 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	91401	0.1204	0.0982
4	3.62	t-Butanol	99532	0.9691	0.7910
5	4.43	n-Propanol	149772	1.0000	0.8162

13-12-100 29 RLM

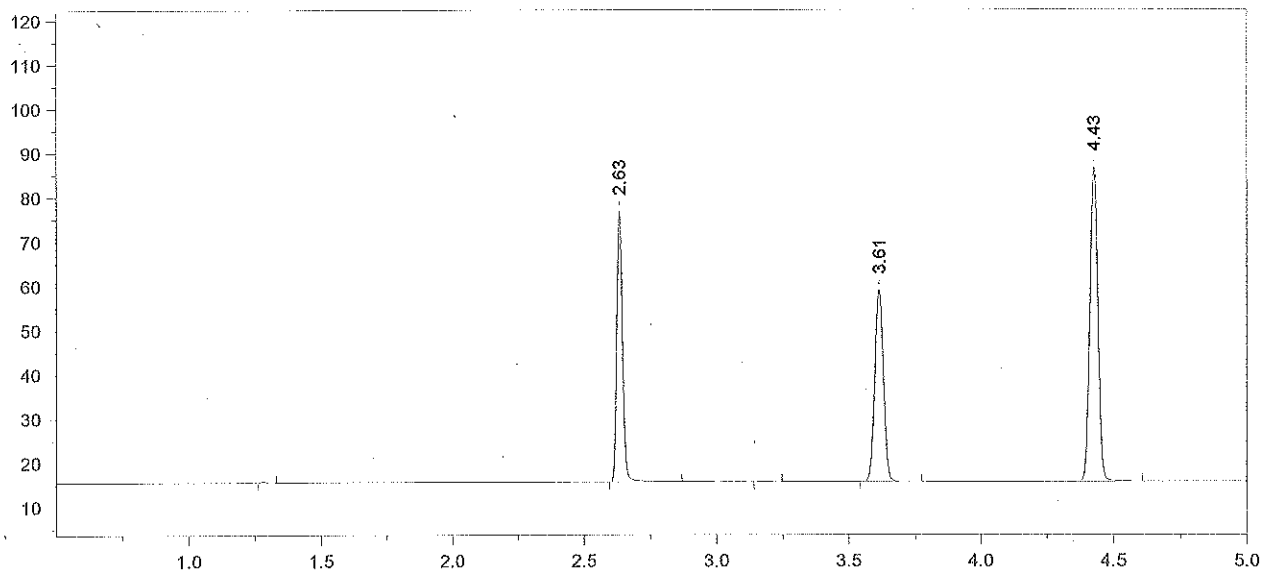


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013 Today's Time = 10:04:56 PM
Bound File Name = VFL05302013.0028.RAW
Sample Name = 0.1 RLM
Date Taken = 5/30/2013 10:04:48 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	91240	0.1202	0.0981
4	3.62	t-Butanol	104309	1.0164	0.8296
5	4.43	n-Propanol	149650	1.0000	0.8162

13-12-100 30 RLM

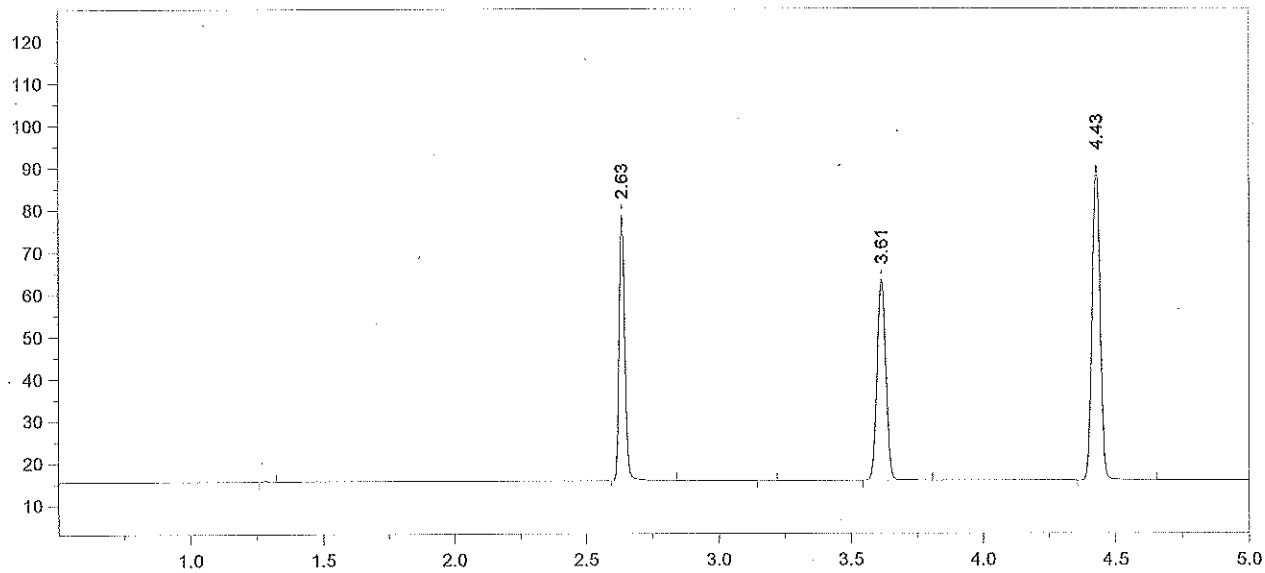


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 10:18:42 PM
Bound File Name = VFL05302013.0029.RAW
Sample Name = 0.1 RLM
Date Taken = 5/30/2013 10:18:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	92602	0.1219	0.0995
4	3.61	t-Butanol	99828	0.9719	0.7933
5	4.43	n-Propanol	149788	1.0000	0.8162

13-12-100 31 RLM

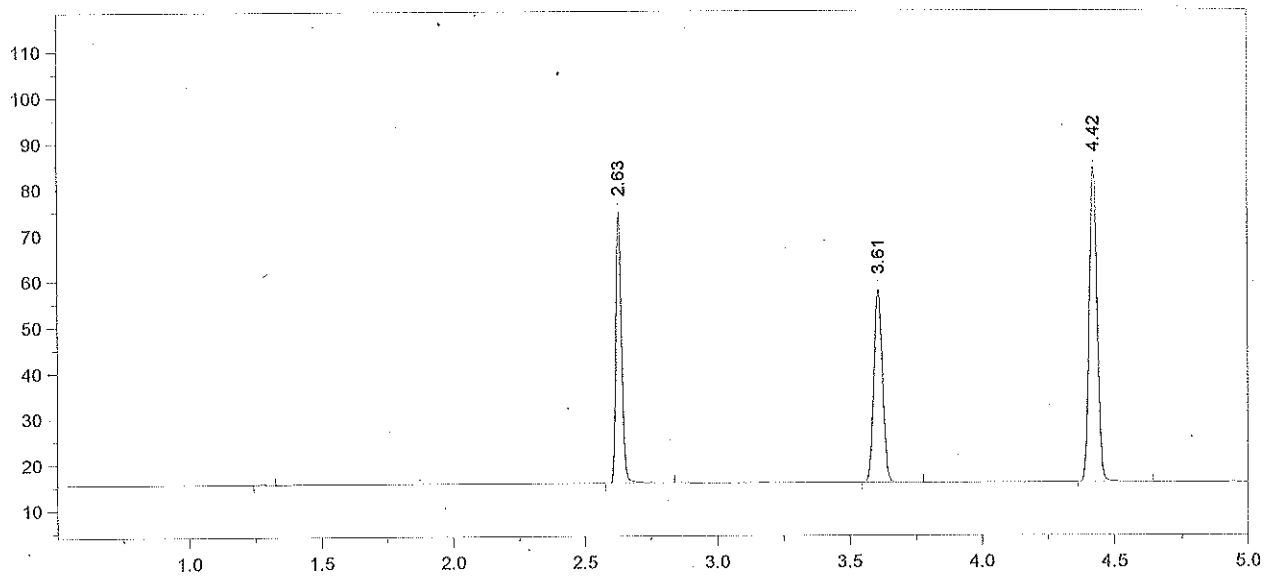


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 10:34:39 PM
Bound File Name = VFL05302013.0030.RAW
Sample Name = 0.1 RLM
Date Taken = 5/30/2013 10:34:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	95135	0.1190	0.0971
4	3.61	t-Butanol	109624	1.0140	0.8276
5	4.43	n-Propanol	157655	1.0000	0.8162

13-12-100 32 RLM

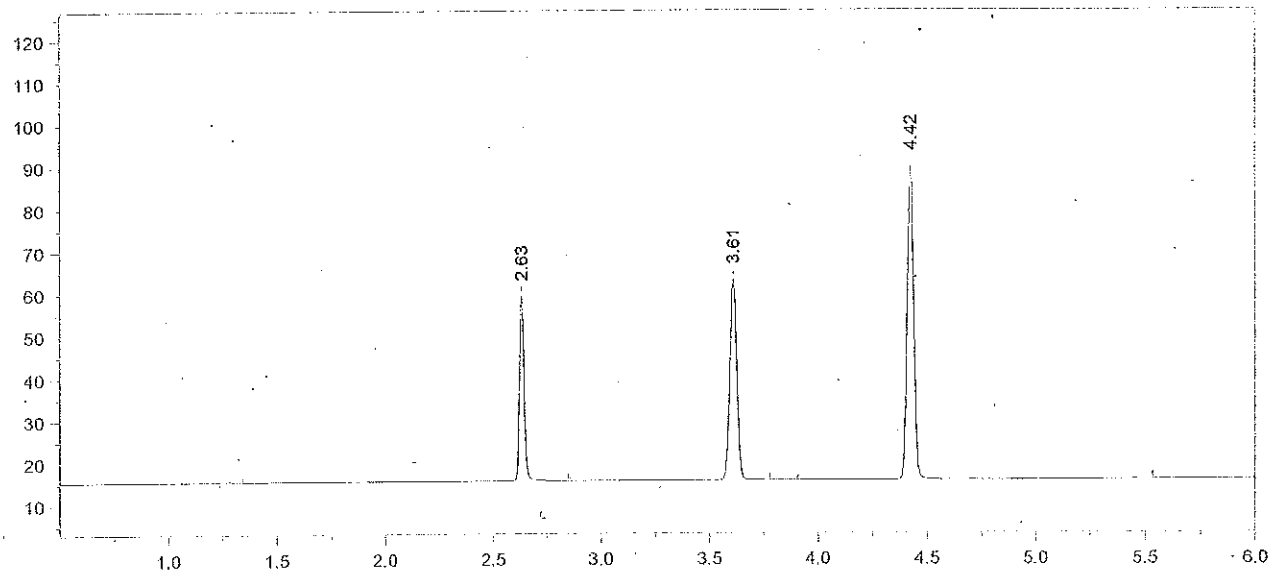


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/30/2013
Today's Time = 10:50:02 PM
Bound File Name = VFL05302013.0031.RAW
Sample Name = 0.1 RLM
Date Taken = 5/30/2013 10:49:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	89060	0.1212	0.0990
3	3.61	t-Butanol	96495	0.9713	0.7928
4	4.42	n-Propanol	144876	1.0000	0.8162

13-12-100 33 RLM

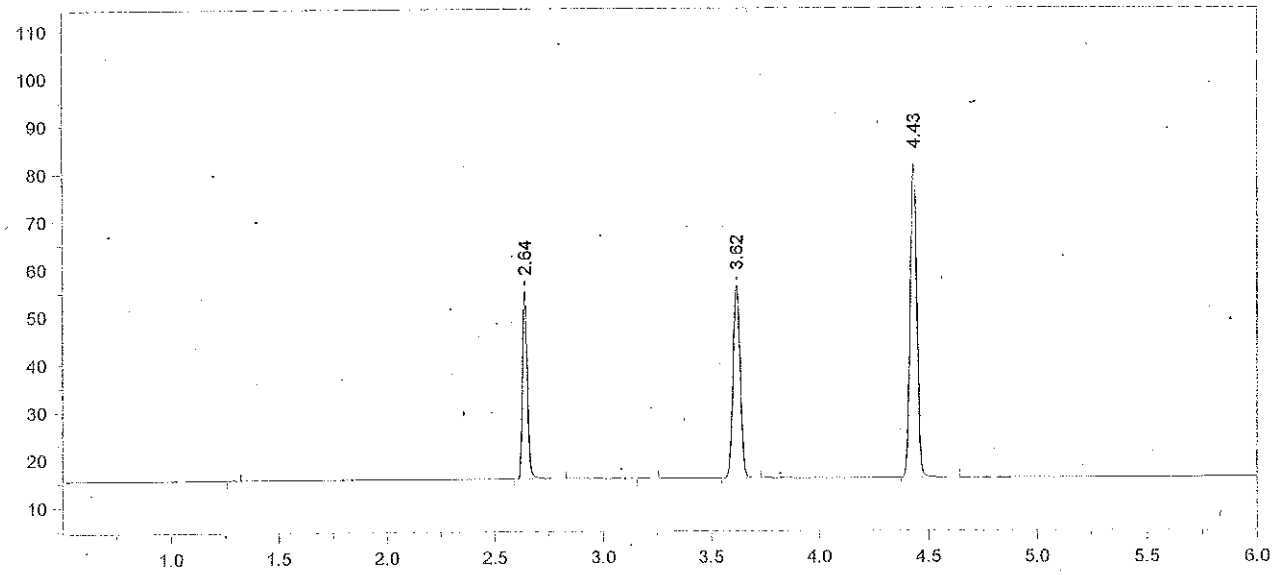


Format File Name = AlcoholVFL.FMT.

Today's Date = 5/30/2013
Today's Time = 11:06:08 PM
Bound File Name = VFL05302013.0032.RAW
Sample Name = CCS
Date Taken = 5/30/2013 11:06:02 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	66607	0.0842
3	3.61	t-Butanol	109267	1.0212
4	4.42	n-Propanol	156033	1.0000

13-17-100 34 RRM



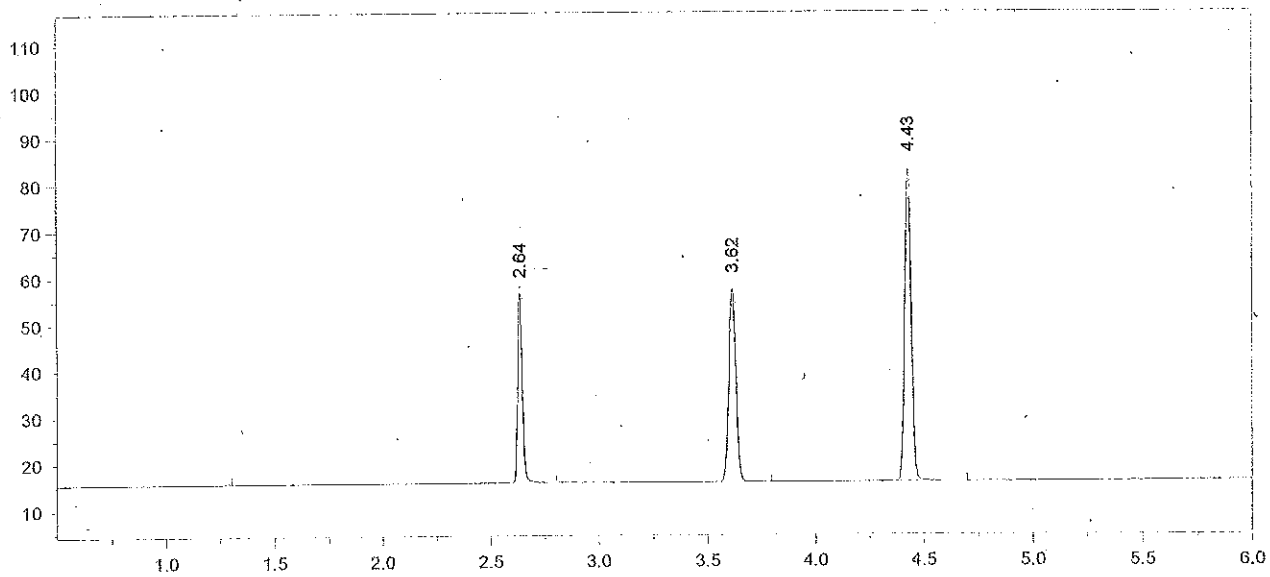
Format File Name = AlcoholVFL.FMT

Today's Date = 5/30/2013
Today's Time = 11:20:13 PM
Bound File Name = VFL05302013.0033.RAW
Sample Name = CCS
Date Taken = 5/30/2013 11:20:04 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	60426	0.0857
4	3.62	t-Butanol	93058	0.9763
5	4.43	n-Propanol	139002	1.0000

Avg vials 32 & 33 = 0.085 [illegible] 6/4/13

13-12-100 35 RZM

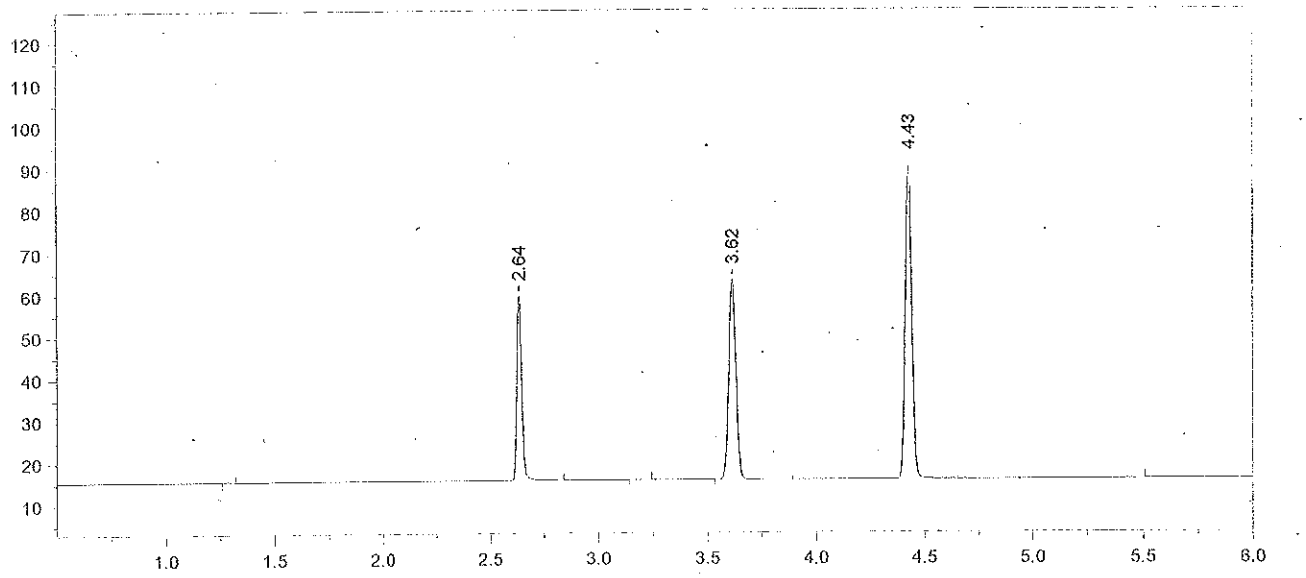


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 1:23:30 AM
Bound File Name = VFL05302013.0041.RAW
Sample Name = CCS
Date Taken = 5/31/2013 1:23:21 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	62012	0.0857
3	3.62	t-Butanol	95747	0.9780
4	4.43	n-Propanol	142767	1.0000

13-17 IPD 3/0 RZM



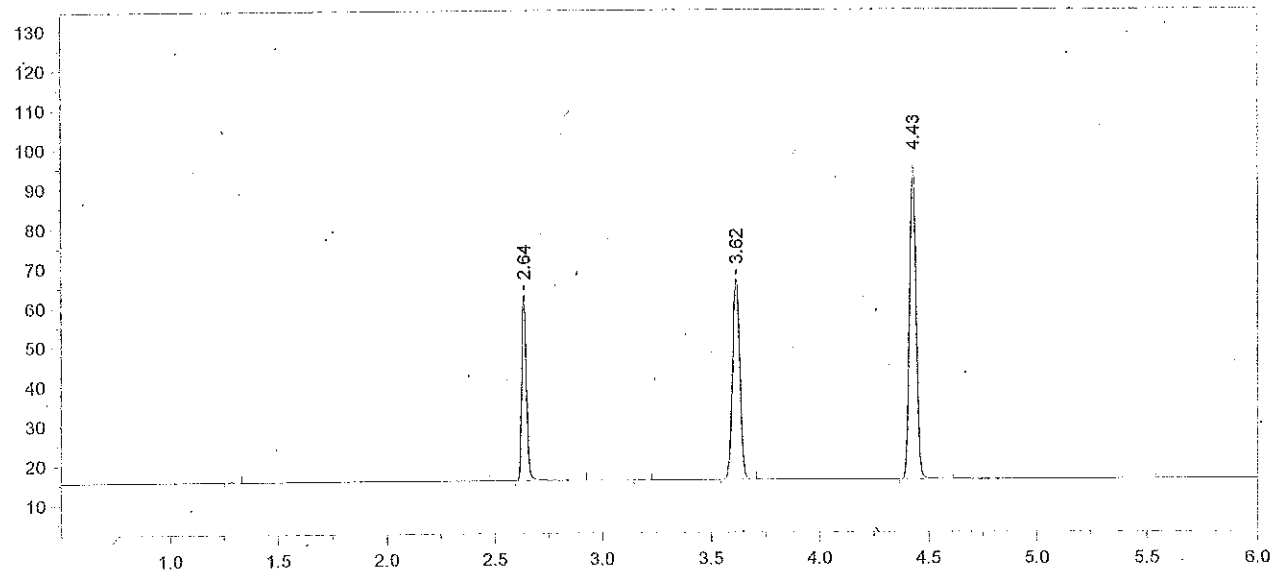
Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 1:41:37 AM
Bound File Name = VFL05302013.0042.RAW
Sample Name = CCS
Date Taken = 5/31/2013 1:41:33 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	66829	0.0842
4	3.62	t-Butanol	109701	1.0216
5	4.43	n-Propanol	156586	1.0000

Avg vials 41 & 42 = 0.085 dus 6/4/13

13-12-100 37 RJM

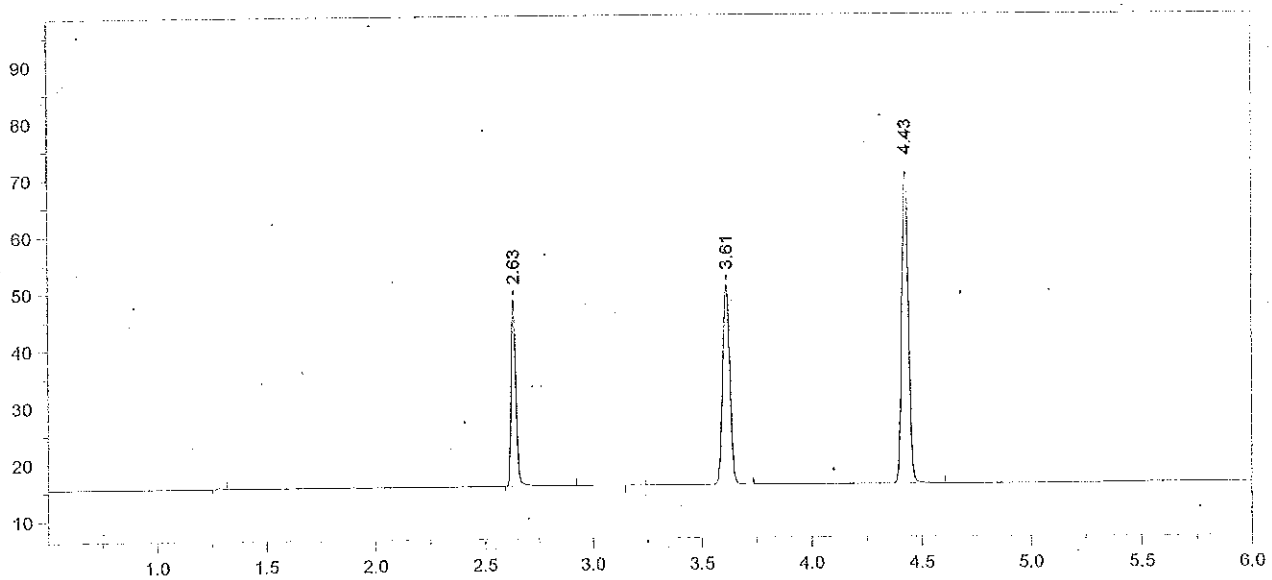


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 3:44:02 AM
Bound File Name = VFL05302013.0050.RAW
Sample Name = CCS
Date Taken = 5/31/2013 3:43:55 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	72084	0.0850
4	3.62	t-Butanol	116879	1.0188
5	4.43	n-Propanol	167291	1.0000

13-12-100 38



Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 3:58:55 AM
Bound File Name = VFL05302013.0051.RAW
Sample Name = CCS
Date Taken = 5/31/2013 3:58:50 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL05302013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	50577	0.0859
4	3.61	t-Butanol	80749	1.0136
5	4.43	n-Propanol	116176	1.0000

Avg vials 50 & 51 = 0.085
6/4/13

13-12-100 39

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM Date: 5/31/13

6/12/2013

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
% 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	2.64		
		Acetone	3.04		
		Isopropanol	3.17		
		T- butanol	3.62		
		n-propanol	4.43		
3	Standard A		0.005	(Y) N	
4	Standard B		0.021	(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		0.0793	(Y) N	Avg = 0.079 (99% recovery) ✓
9	Aqueous QC		0.0791	(Y) N	

13-12-100 40 RLM

File Name: C:\Methods\SIM05312013.CAL
Version: 7

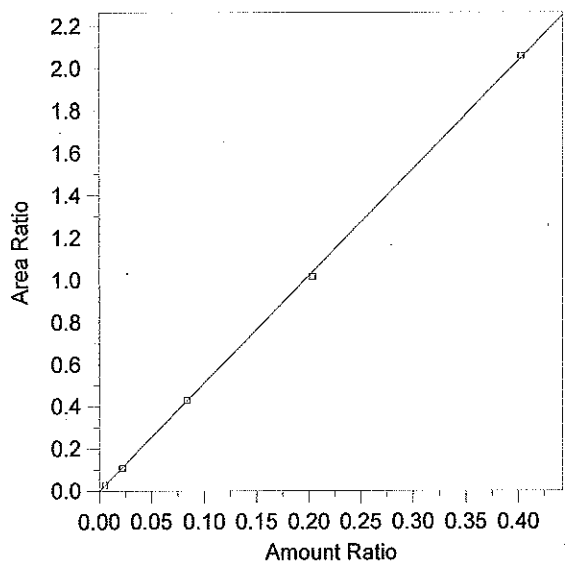
Creator:
Description:
Reason for change:

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:	2.633 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 = 5.088822 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.999793
Average error:	1.545%
Average CF:	5.076836
RSD:	2.005%

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	4317.914	785075.3	2.442	0.0055	2.867196E-02	C:\Alcohol Data\SIM05312013\SIM05312013.0003.BND	5/31/2013 3:02:53 PM
3	0.0221	17318.79	783655.6	-2.385	0.0221	0.1097812	C:\Alcohol Data\SIM05312013\SIM05312013.0004.BND	5/31/2013 3:18:59 PM
4	0.084	64121.36	763349.5	0.310	0.084	0.4287841	C:\Alcohol Data\SIM05312013\SIM05312013.0005.BND	5/31/2013 3:34:20 PM
5	0.2037	168230.6	825874.3	-2.067	0.2037	1.015167	C:\Alcohol Data\SIM05312013\SIM05312013.0006.BND	5/31/2013 3:48:48 PM
6	0.4026	300381	746102.9	0.522	0.4026	2.059462	C:\Alcohol Data\SIM05312013\SIM05312013.0007.BND	5/31/2013 4:04:35 PM

13-12-100

41 RZM 6/12/13
42
41 RZM 6/12/13

RZM

File Name = C:\Alcohol Data\SIM05312013\SIM05312013.SEQ
Version = 1
File Date = 5/31/2013 1:55:16 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM05312013.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM05312013.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM05312013.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	SIM05312013.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	SIM05312013.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	SIM05312013.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	SIM05312013.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	SIM05312013.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM05312013.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM05312013.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM05312013.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM05312013.0012.raw	simsoln.met	0.1 RLM	1.00	1.00
13	SIM05312013.0013.raw	simsoln.met	0.1 RLM	1.00	1.00
14	SIM05312013.0014.raw	simsoln.met	0.1 RLM	1.00	1.00
15	SIM05312013.0015.raw	simsoln.met	0.1 RLM	1.00	1.00
16	SIM05312013.0016.raw	simsoln.met	0.1 RLM	1.00	1.00
17	SIM05312013.0017.raw	simsoln.met	0.1 RLM	1.00	1.00
18	SIM05312013.0018.raw	simsoln.met	0.1 RLM	1.00	1.00
19	SIM05312013.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM05312013.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM05312013.0021.raw	simsoln.met	0.1 ALB	1.00	1.00
22	SIM05312013.0022.raw	simsoln.met	0.1 ALB	1.00	1.00
23	SIM05312013.0023.raw	simsoln.met	0.1 ALB	1.00	1.00
24	SIM05312013.0024.raw	simsoln.met	0.1 ALB	1.00	1.00
25	SIM05312013.0025.raw	simsoln.met	0.1 ALB	1.00	1.00
26	SIM05312013.0026.raw	simsoln.met	0.1 ALB	1.00	1.00
27	SIM05312013.0027.raw	simsoln.met	0.1 ALB	1.00	1.00
28	SIM05312013.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM05312013.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	SIM05312013.0030.raw	simsoln.met	0.16 RLM	1.00	1.00
31	SIM05312013.0031.raw	simsoln.met	0.16 RLM	1.00	1.00
32	SIM05312013.0032.raw	simsoln.met	0.16 RLM	1.00	1.00
33	SIM05312013.0033.raw	simsoln.met	0.16 RLM	1.00	1.00
34	SIM05312013.0034.raw	simsoln.met	0.16 RLM	1.00	1.00
35	SIM05312013.0035.raw	simsoln.met	0.16 RLM	1.00	1.00
36	SIM05312013.0036.raw	simsoln.met	0.16 RLM	1.00	1.00
37	SIM05312013.0037.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
38	SIM05312013.0038.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
39	SIM05312013.0039.raw	simsoln.met	0.16 ALB	1.00	1.00
40	SIM05312013.0040.raw	simsoln.met	0.16 ALB	1.00	1.00
41	SIM05312013.0041.raw	simsoln.met	0.16 ALB	1.00	1.00
42	SIM05312013.0042.raw	simsoln.met	0.16 ALB	1.00	1.00
43	SIM05312013.0043.raw	simsoln.met	0.16 ALB	1.00	1.00
44	SIM05312013.0044.raw	simsoln.met	0.16 ALB	1.00	1.00
45	SIM05312013.0045.raw	simsoln.met	0.16 ALB	1.00	1.00
46	SIM05312013.0046.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
47	SIM05312013.0047.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

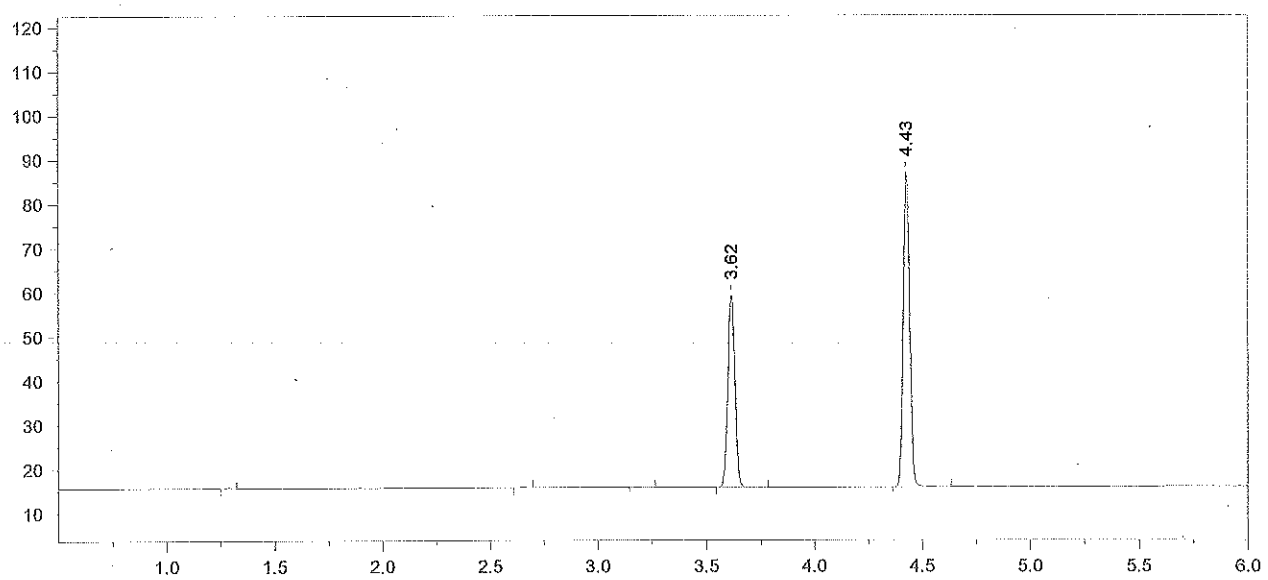
$\bar{X} = 0.092$

SD > 0.002

$\bar{X} = 0.098$
deB 6/4/13

different [x] sim soln not included in packet 6/4/13 deB

13-12-100 ~~40~~ 42 RRM 6/12/13 RRM



Format File Name = AlcoholVFL.FMT

Today's Date = 6/3/2013
Today's Time = 7:10:58 AM
Bound File Name = SIM05312013.0001.RAW
Sample Name = Blank
Date Taken = 5/31/2013 2:31:39 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.62	t-Butanol	100087	0.9768
5	4.43	n-Propanol	150287	1.0000

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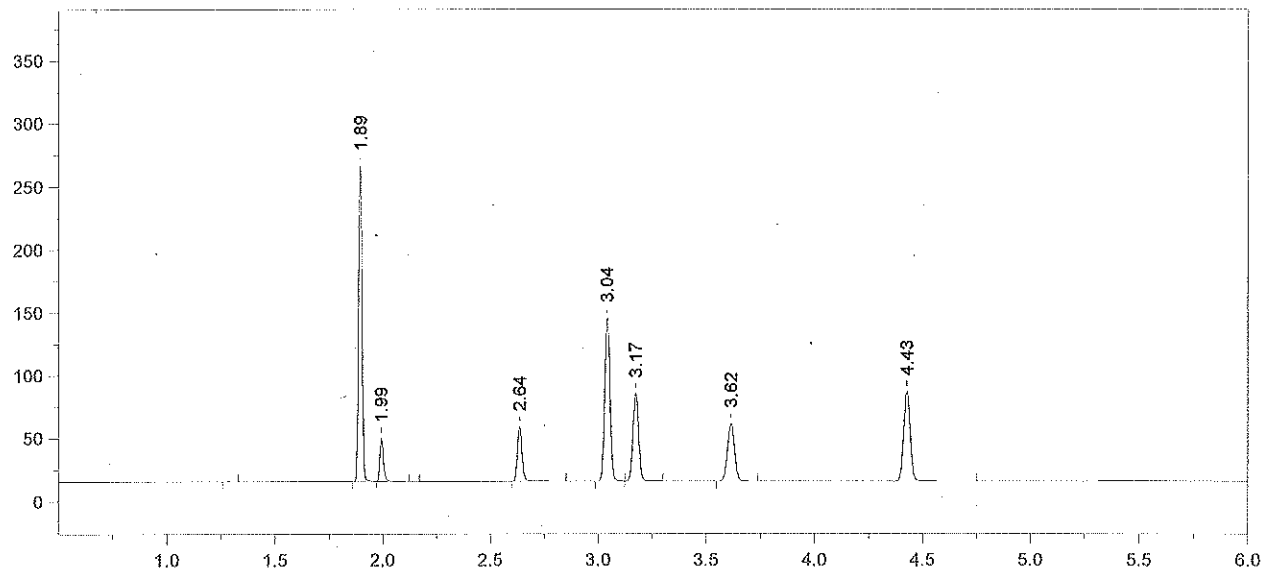
43
42 RLM 6/12/13

RLM



Format File Name = AlcoholVFL.FMT

Today's Date = 6/3/2013
Today's Time = 7:11:03 AM
Bound File Name = SIM05312013.0002.RAW
Sample Name = TMX
Date Taken = 5/31/2013 2:49:07 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.89	Acetaldehyde	285627	0.0720
3	1.99	Methanol	40629	0.1210
4	2.64	Ethanol	65677	0.0856
5	3.04	Acetone	219817	0.0690
6	3.17	Isopropanol	129275	0.0830
7	3.62	t-Butanol	105597	1.0272
8	4.43	n-Propanol	150782	1.0000

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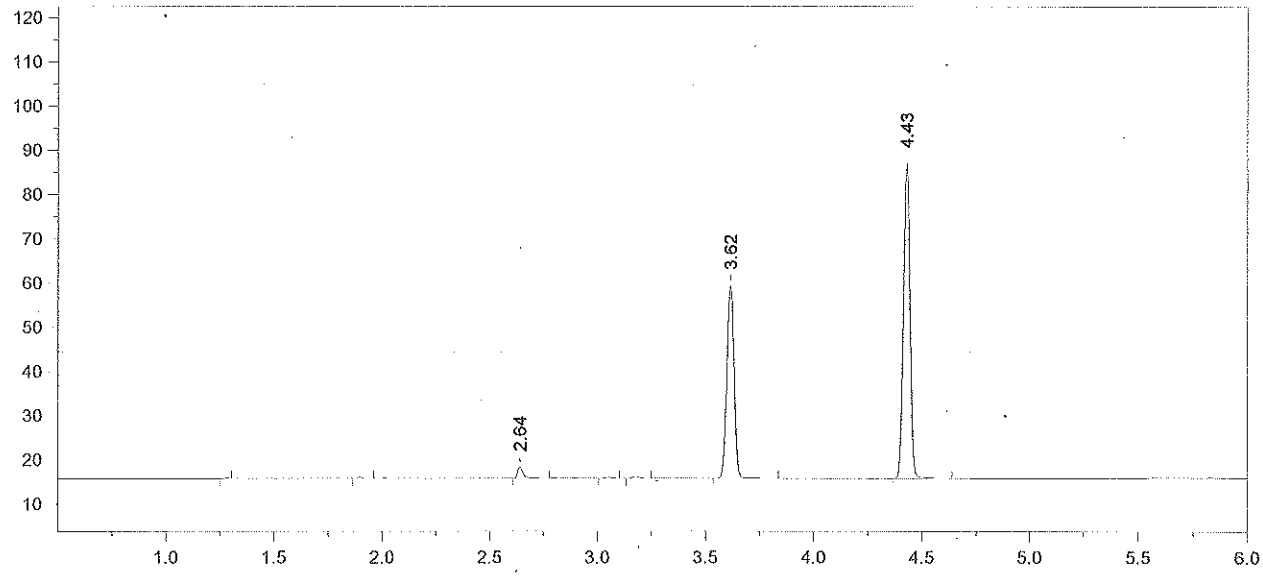
44
43 RLM 6/12/13

RLM



Format File Name = AlcoholVFL.FMT

Today's Date = 6/3/2013
Today's Time = 7:11:09 AM
Bound File Name = SIM05312013.0003.RAW
Sample Name = STD A
Date Taken = 5/31/2013 3:02:43 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	04318	0.0056
6	3.62	t-Butanol	100484	0.9786
7	4.43	n-Propanol	150597	1.0000

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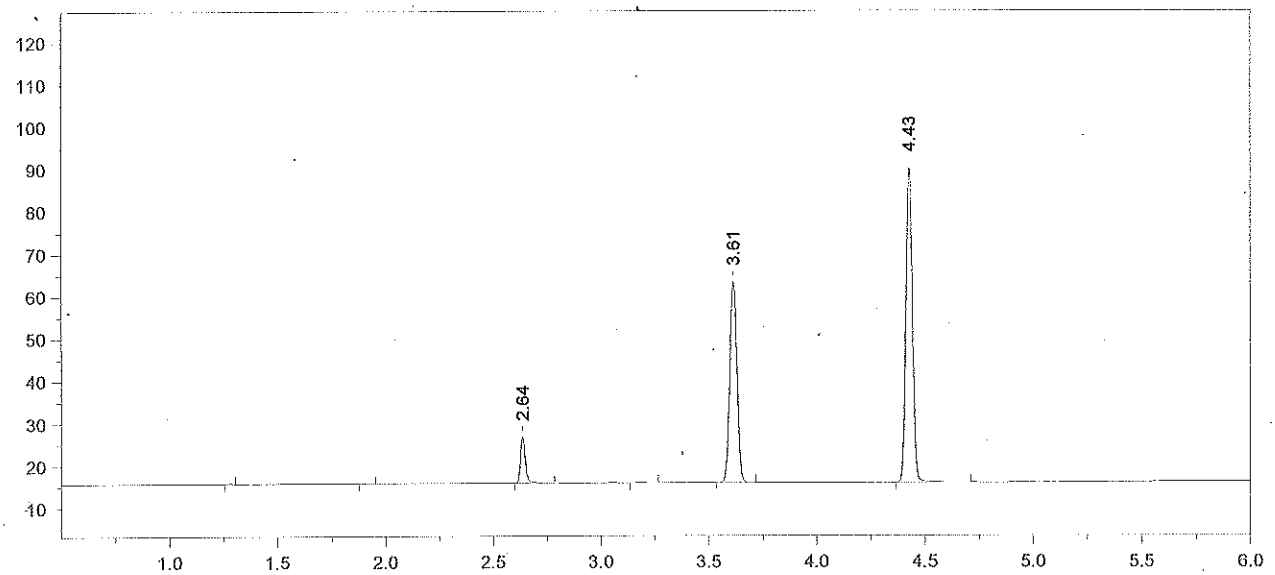
45 44 RLM 6/12/13

RLM



Format File Name = AlcoholVFL.FMT

Today's Date = 6/3/2013
Today's Time = 7:11:15 AM
Bound File Name = SIM05312013.0004.RAW
Sample Name = STD B
Date Taken = 5/31/2013 3:18:49 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	17319	0.0216
5	3.61	t-Butanol	109702	1.0199
6	4.43	n-Propanol	157757	1.0000

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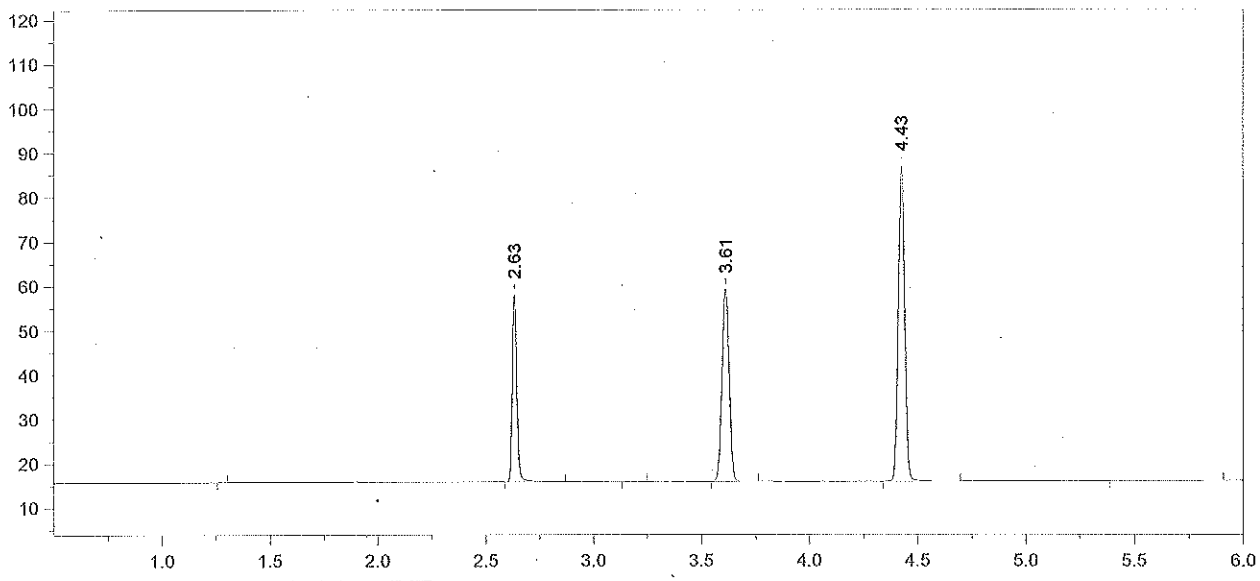
46 ~~45~~ RZM 6/12/13

RZM



Format File Name = AlcoholVFL.FMT

Today's Date = 6/3/2013
Today's Time = 7:11:21 AM
Bound File Name = SIM05312013.0005.RAW
Sample Name = STD C
Date Taken = 5/31/2013 3:34:15 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	64121	0.0843
4	3.61	t-Butanol	99612	0.9770
5	4.43	n-Propanol	149542	1.0000

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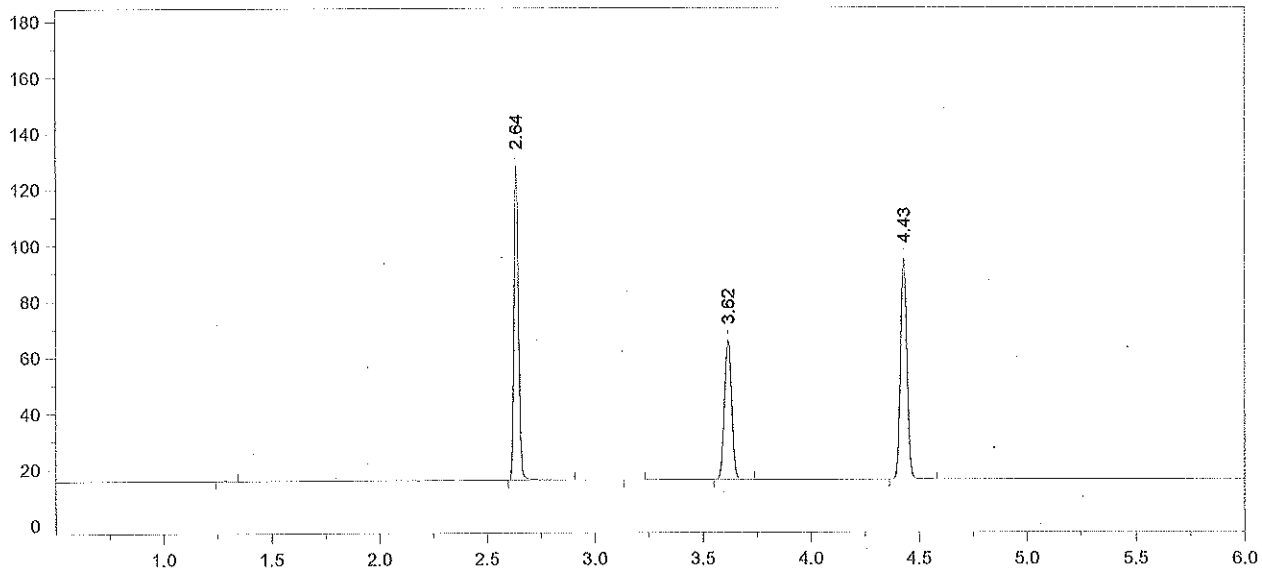
47 RZM 6/12/13
46

RZM

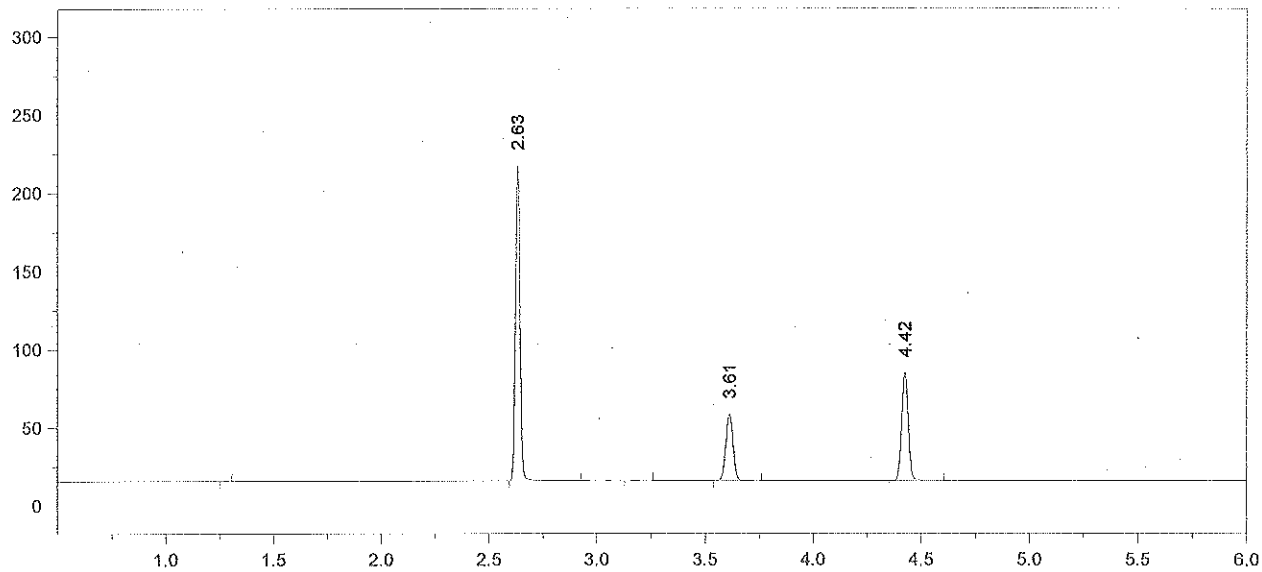


Format File Name = AlcoholVFL.FMT

Today's Date = 6/3/2013
Today's Time = 7:11:27 AM
Bound File Name = SIM05312013.0006.RAW
Sample Name = STD D
Date Taken = 5/31/2013 3:48:40 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	168231	0.1995
4	3.62	t-Butanol	115057	1.0183
5	4.43	n-Propanol	165717	1.0000

13-12-100 48 47 RZM 6/12/13 RZM



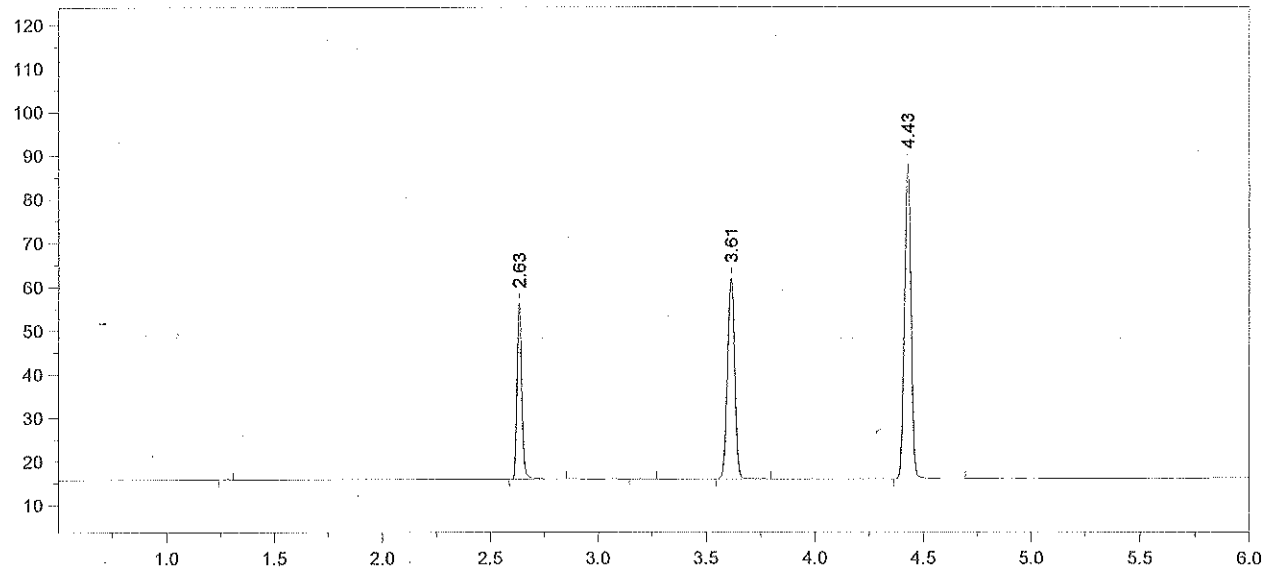
Format File Name = AlcoholVFL.FMT

Today's Date = 6/3/2013
Today's Time = 7:11:33 AM
Bound File Name = SIM05312013.0007.RAW
Sample Name = STD E
Date Taken = 5/31/2013 4:04:26 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	300381	0.4047
4	3.61	t-Butanol	97361	0.9790
5	4.42	n-Propanol	145854	1.0000

13-12-100

49 ~~48~~ RRM 6/12/13 RRM

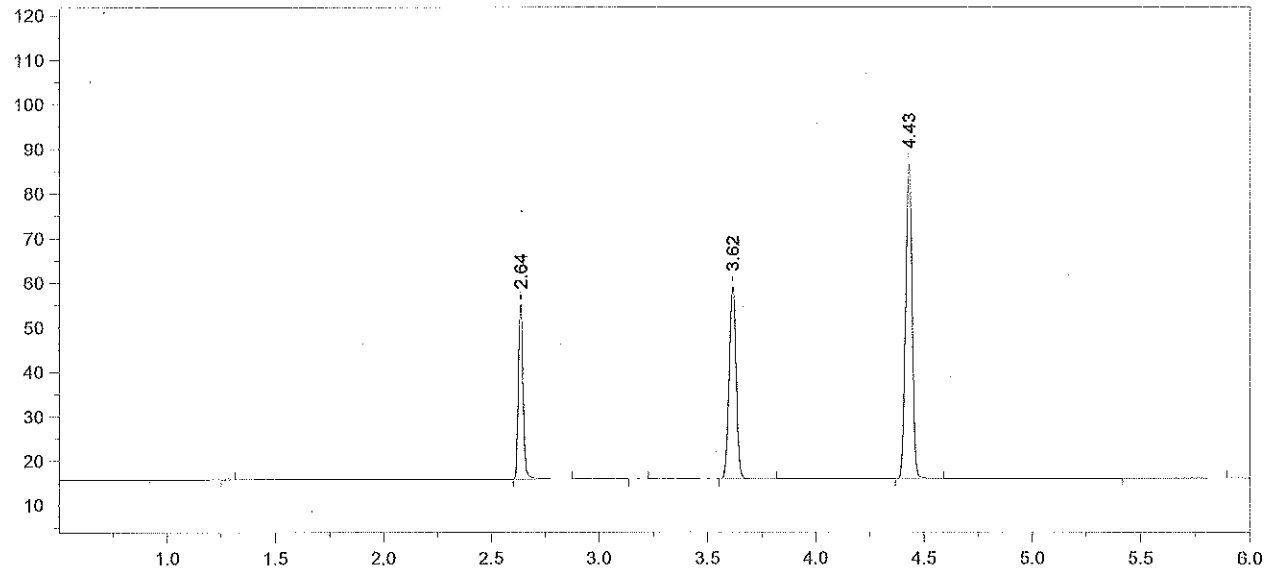


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 4:20:42 PM
Bound File Name = SIM05312013.0008.RAW
Sample Name = AQ QC
Date Taken = 5/31/2013 4:20:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	61430	0.0793
4	3.61	t-Butanol	105825	1.0191
5	4.43	n-Propanol	152297	1.0000

13-12-100 50 49 RZM 6/12/13 RZM



Format File Name = AlcoholVFL.FMT

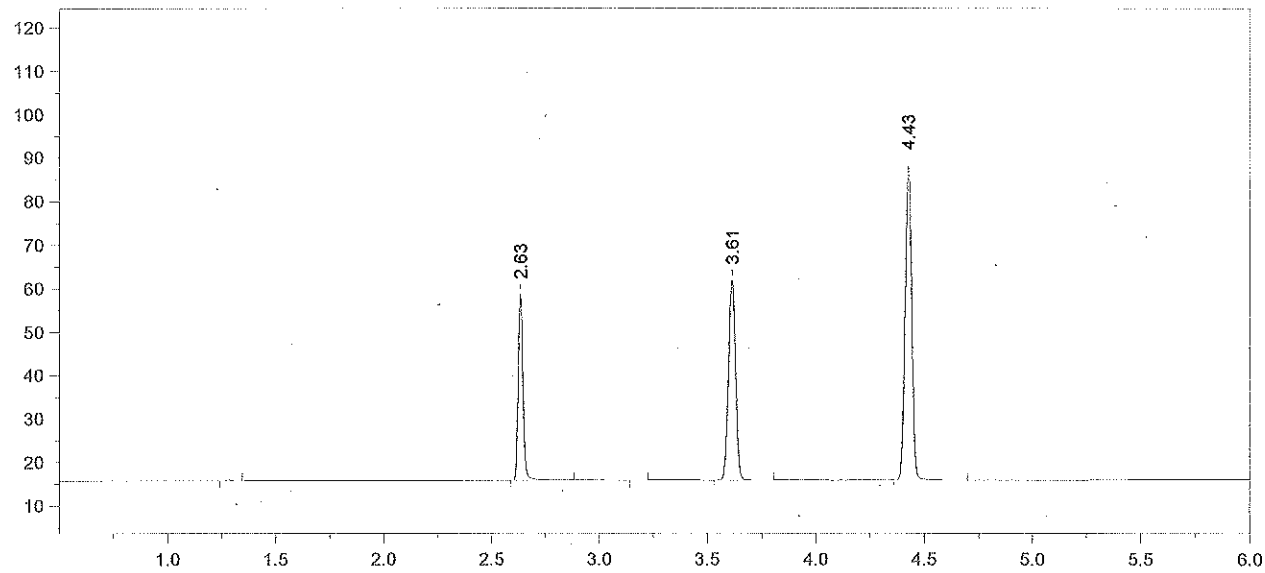
Today's Date = 5/31/2013
Today's Time = 4:34:17 PM
Bound File Name = SIM05312013.0009.RAW
Sample Name = AQ QC
Date Taken = 5/31/2013 4:34:08 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	60130	0.0791
4	3.62	t-Butanol	99674	0.9791
5	4.43	n-Propanol	149303	1.0000

Avg #8 + #9 = 0.079
RM 6/12/13

13-12-100

51 RM 6/12/13
~~50~~ RM

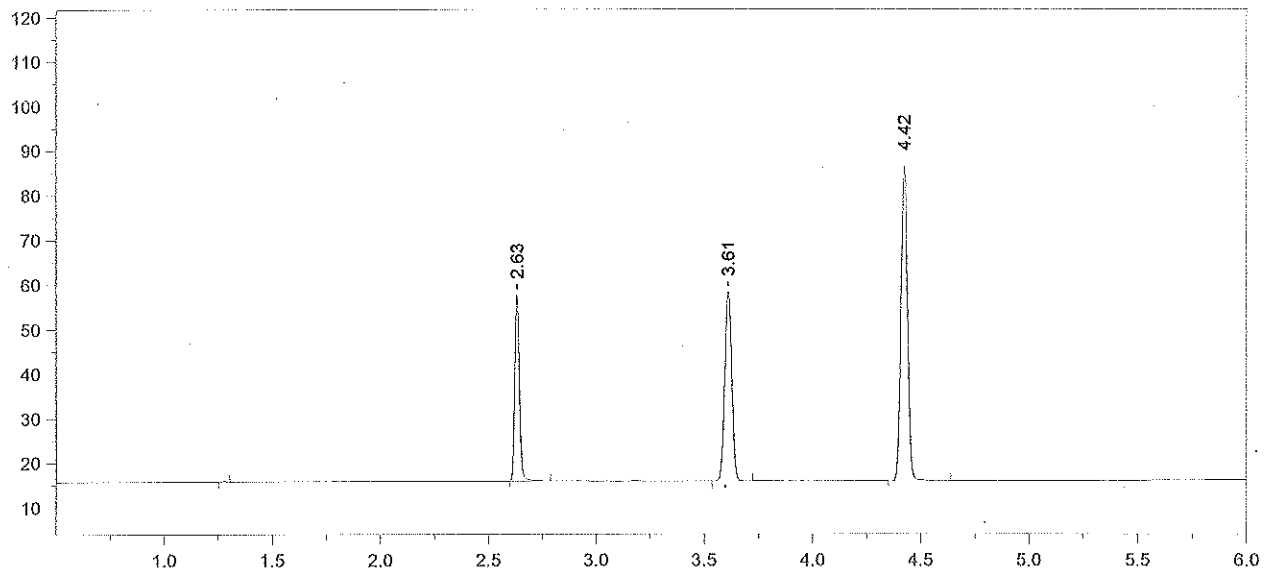


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 4:50:27 PM
Bound File Name = SIM05312013.0010.RAW
Sample Name = CCS
Date Taken = 5/31/2013 4:50:19 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	65311	0.0839
4	3.61	t-Butanol	106304	1.0188
5	4.43	n-Propanol	153042	1.0000

13-12-100 52/51 RLM 6/12/13 RLM



Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 5:05:42 PM
Bound File Name = SIM05312013.0011.RAW
Sample Name = CCS
Date Taken = 5/31/2013 5:05:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	63574	0.0842
3	3.61	t-Butanol	97793	0.9669
4	4.42	n-Propanol	148340	1.0000

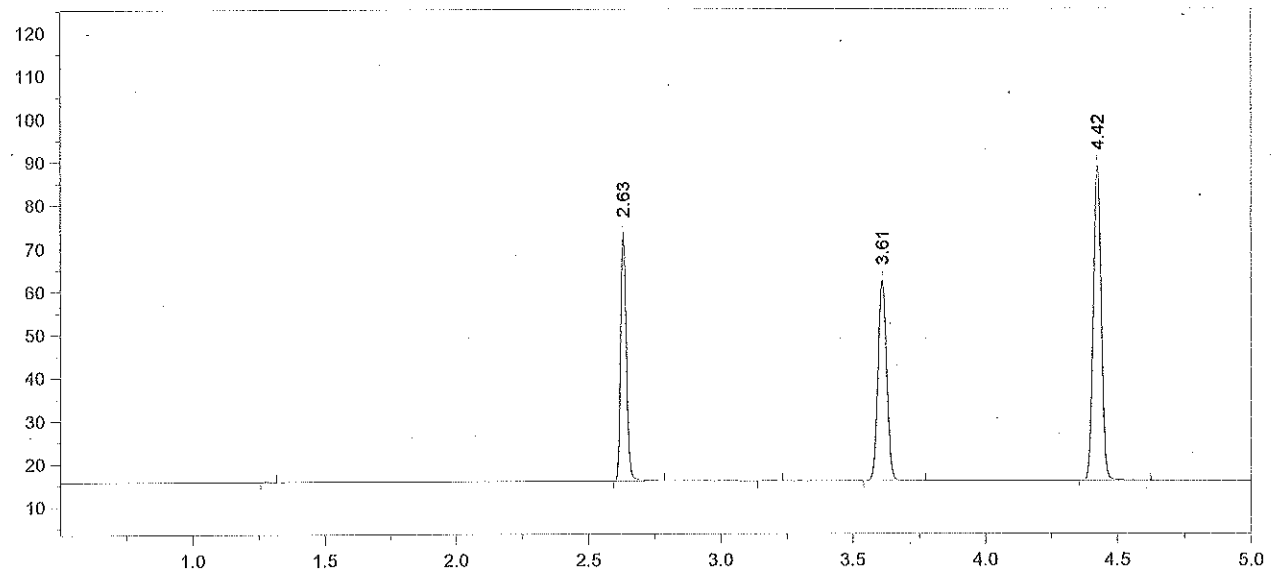
Avg vials 10 + 11 = 0.084

6/4/13 [illegible]

13-12-100

53 [illegible] 6/12/13
~~52~~

[illegible]



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 5:21:57 PM
Bound File Name = SIM05312013.0012.RAW
Sample Name = 0.1 RLM
Date Taken = 5/31/2013 5:21:53 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	87434	0.1118	0.0912
4	3.61	t-Butanol	107051	1.0213	0.8336
5	4.42	n-Propanol	153728	1.0000	0.8162

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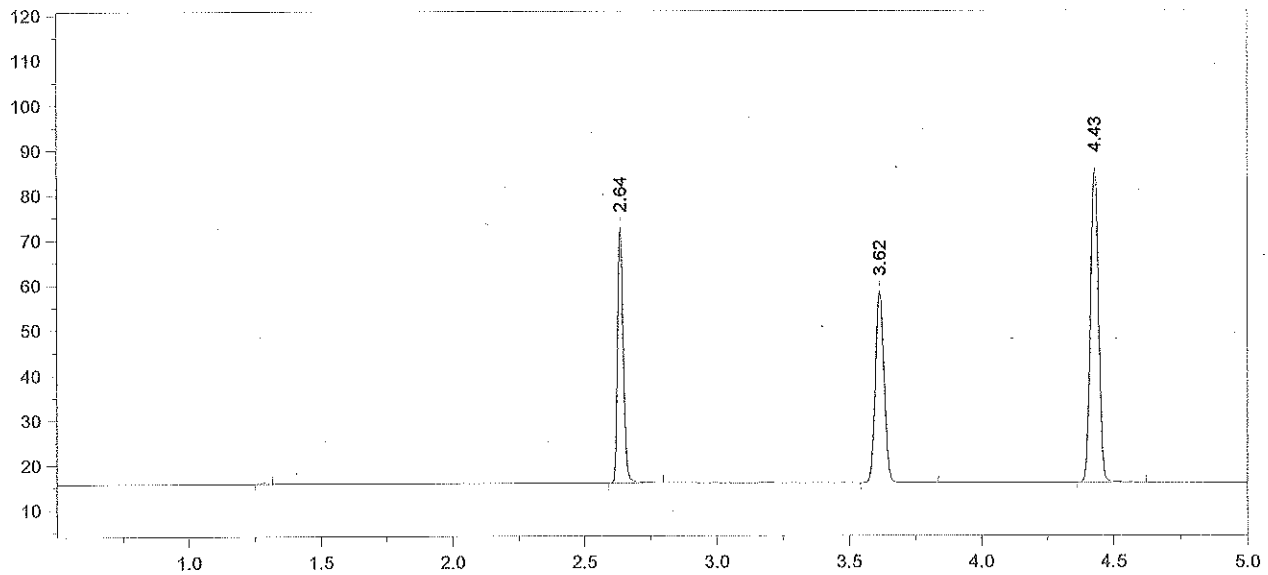
54 ~~53~~ RLM 6/12/13 RLM



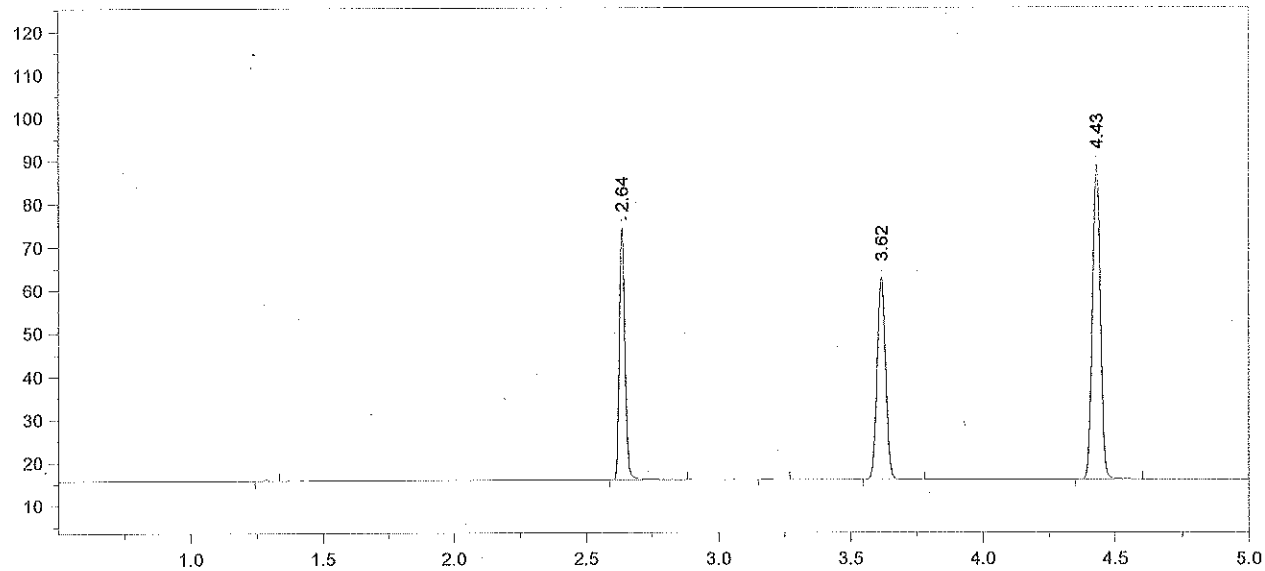
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 5:35:21 PM
Bound File Name = SIM05312013.0013.RAW
Sample Name = 0.1 RLM
Date Taken = 5/31/2013 5:35:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	85743	0.1134	0.0925
3	3.62	t-Butanol	98099	0.9682	0.7903
4	4.43	n-Propanol	148603	1.0000	0.8162

13-12-100

55 54 RLM 6/12/13 RLM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 5:53:24 PM
Bound File Name = SIM05312013.0014.RAW
Sample Name = 0.1 RLM
Date Taken = 5/31/2013 5:53:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	88741	0.1127	0.0920
4	3.62	t-Butanol	108055	1.0241	0.8359
5	4.43	n-Propanol	154750	1.0000	0.8162

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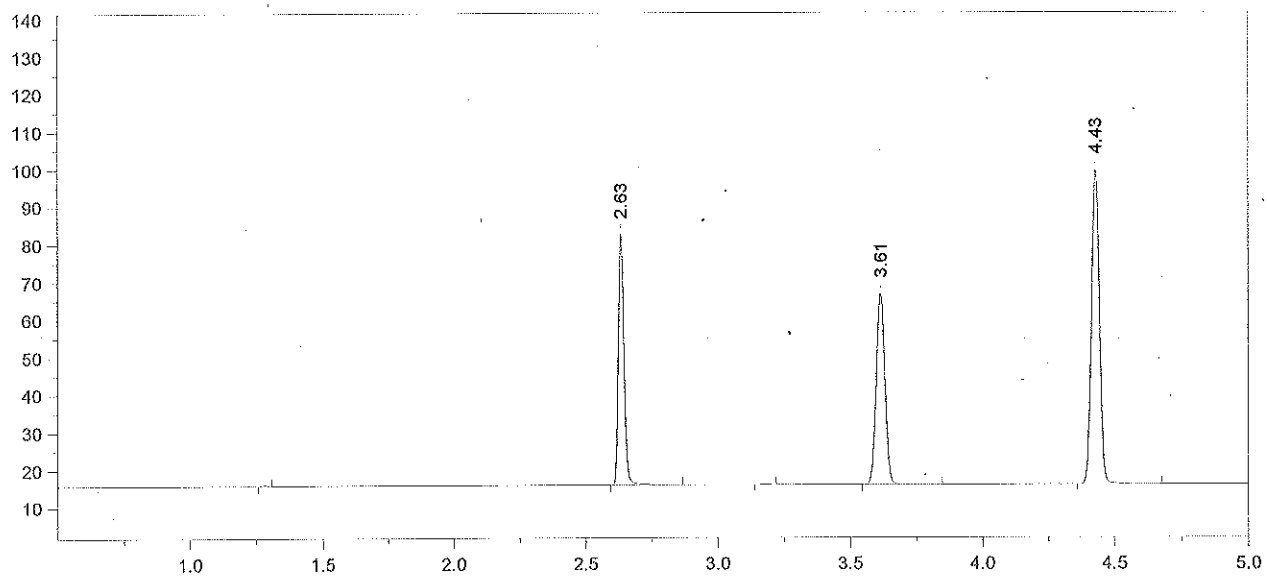
56 ~~55~~ RLM 6/12/13 RLM



Format File Name = simsoln-JFH.met.FMT

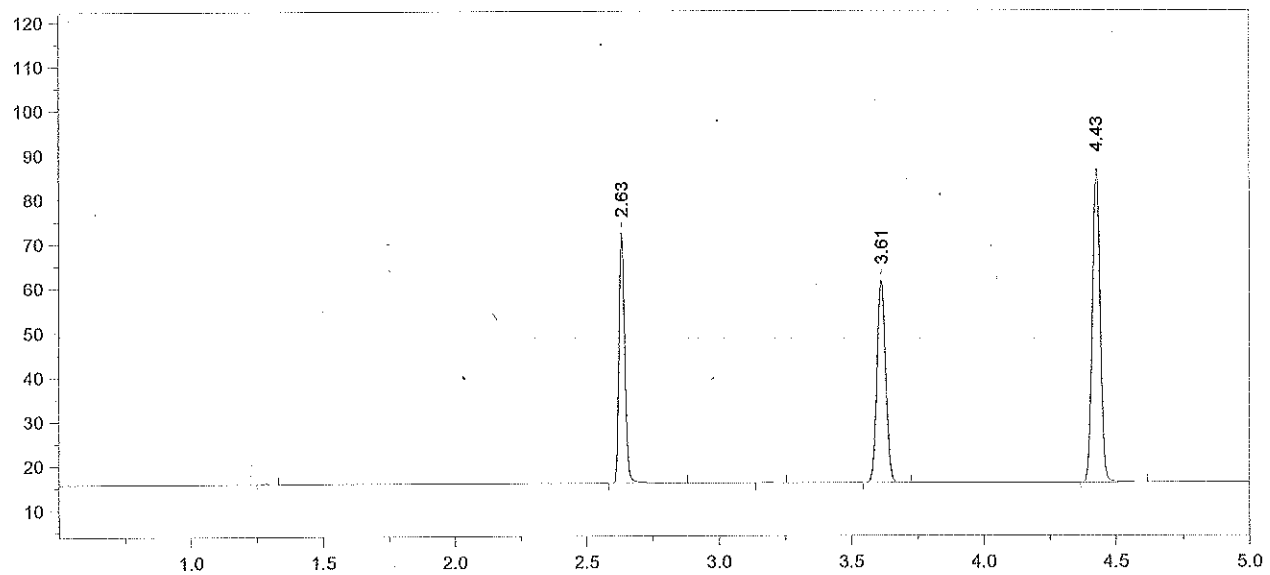
Today's Date = 5/31/2013
Today's Time = 6:06:40 PM
Bound File Name = SIM05312013.0015.RAW
Sample Name = 0.1 RLM
Date Taken = 5/31/2013 6:06:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	101416	0.1127	0.0920
4	3.61	t-Butanol	117368	0.9733	0.7944
5	4.43	n-Propanol	176860	1.0000	0.8162

13-12-100

57 RLM 6/12/13
~~56~~

RLM



Format File Name = simsoln-JFH.met.FMT

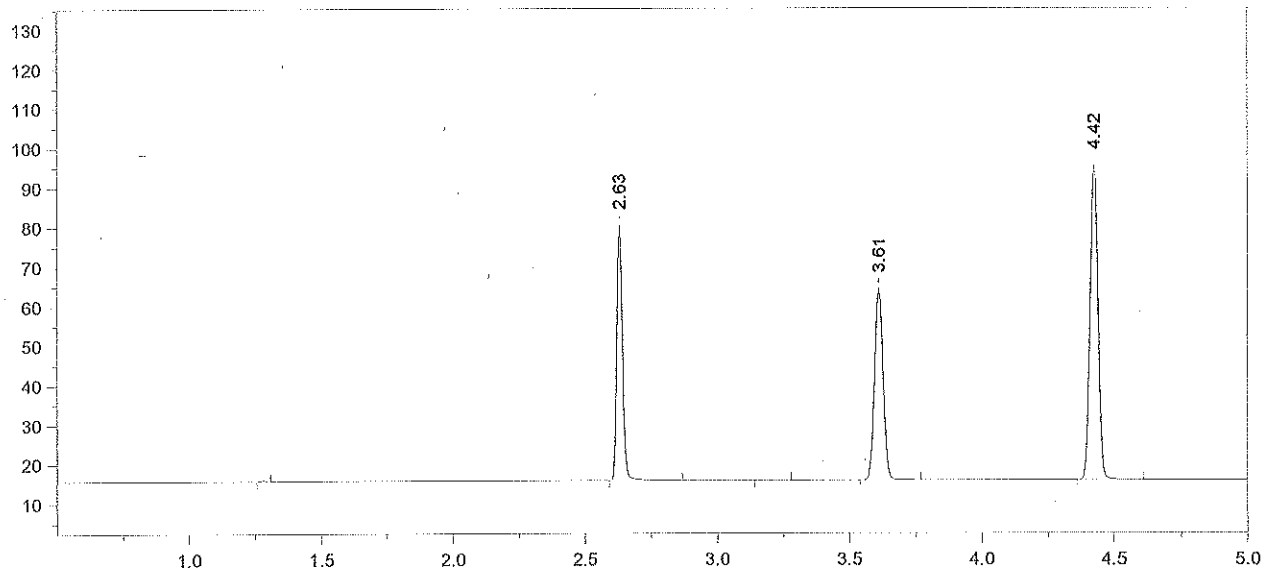
Today's Date = 5/31/2013
Today's Time = 6:24:51 PM
Bound File Name = SIM05312013.0016.RAW
Sample Name = 0.1 RLM
Date Taken = 5/31/2013 6:24:42 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	85321	0.1128	0.0921
4	3.61	t-Butanol	104426	1.0307	0.8413
5	4.43	n-Propanol	148596	1.0000	0.8162

13-12-100

58 RLM 6/12/13
~~57~~

RLM

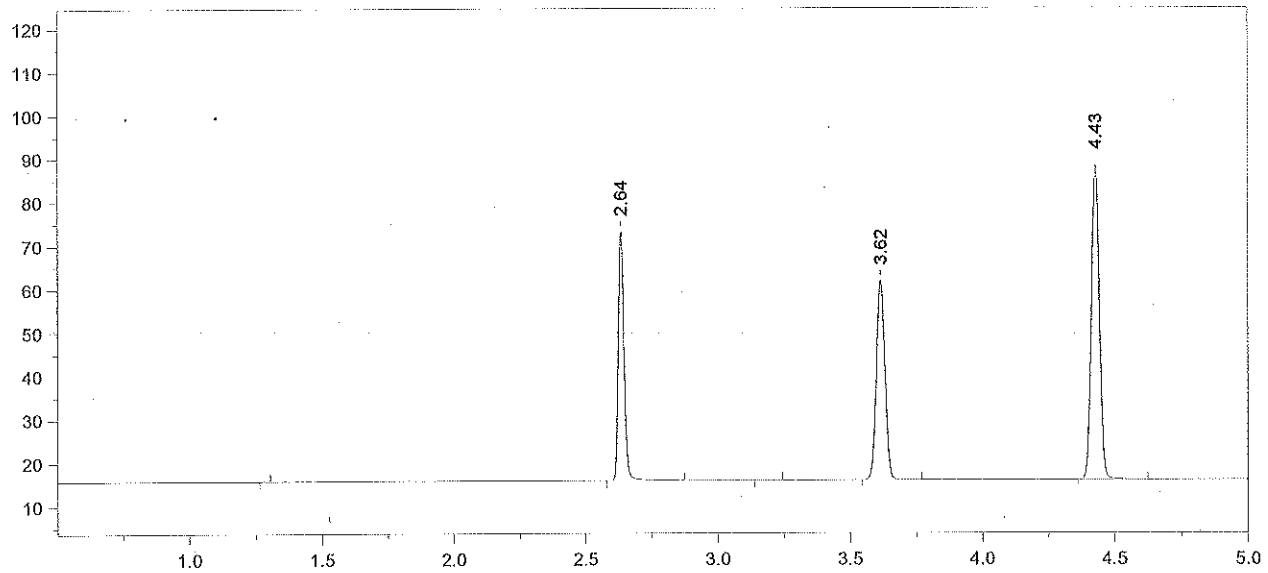


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 6:38:43 PM
Bound File Name = SIM05312013.0017.RAW
Sample Name = 0.1 RLM
Date Taken = 5/31/2013 6:38:35 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	97506	0.1141	0.0931
4	3.61	t-Butanol	111556	0.9741	0.7951
5	4.42	n-Propanol	167964	1.0000	0.8162

13-12-100 59 RLM 6/12/13 ~~58~~ RLM



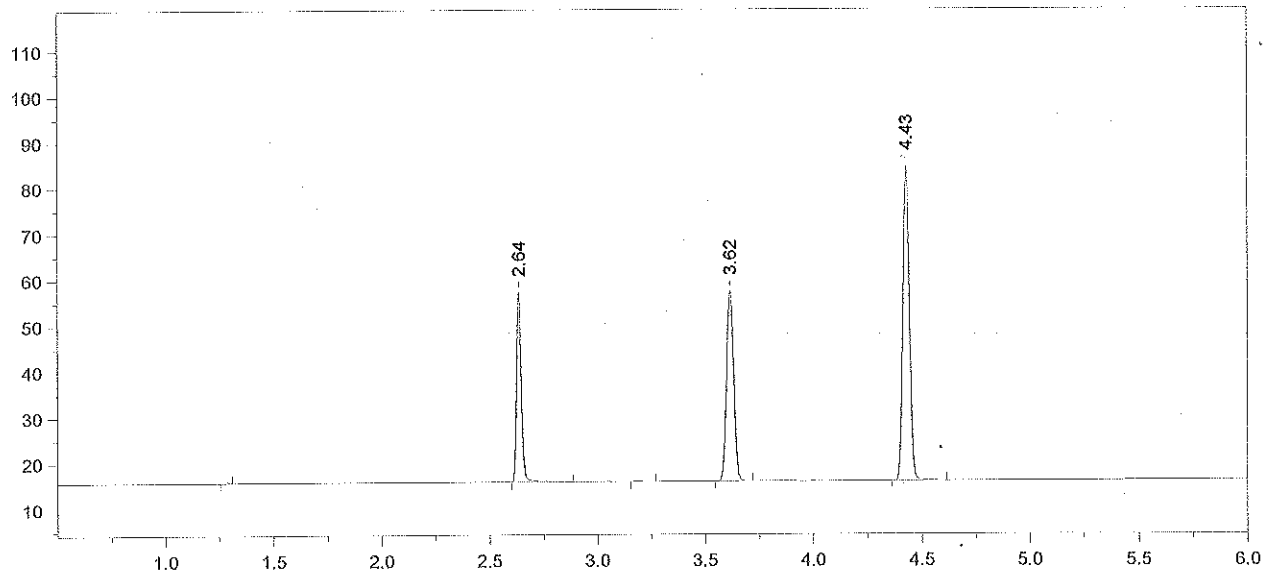
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 6:56:10 PM
Bound File Name = SIM05312013.0018.RAW
Sample Name = 0.1 RLM
Date Taken = 5/31/2013 6:56:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	87288	0.1126	0.0919
4	3.62	t-Butanol	106137	1.0217	0.8339
5	4.43	n-Propanol	152363	1.0000	0.8162

13-12-100

60 ~~59~~ RRM 6/12/13 RRM



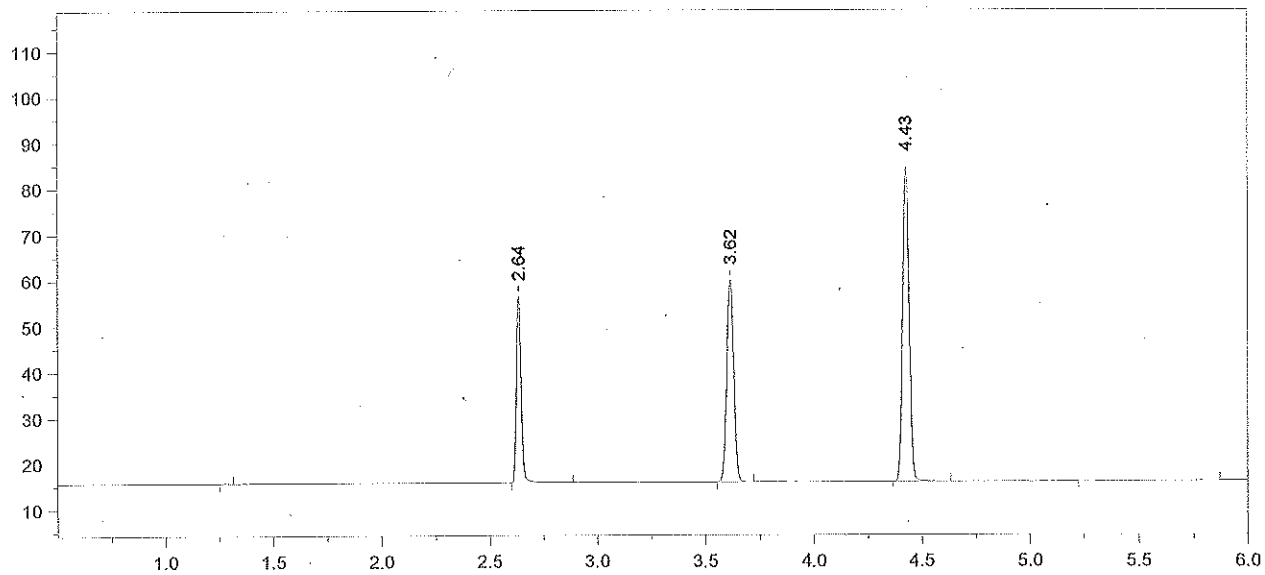
Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 7:10:05 PM
Bound File Name = SIM05312013.0019.RAW
Sample Name = CCS
Date Taken = 5/31/2013 7:09:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	63018	0.0859
4	3.62	t-Butanol	95295	0.9694
5	4.43	n-Propanol	144185	1.0000

13-12-100

61 RKM 6/12/13
~~60~~



Format File Name = AlcoholVFL.FMT

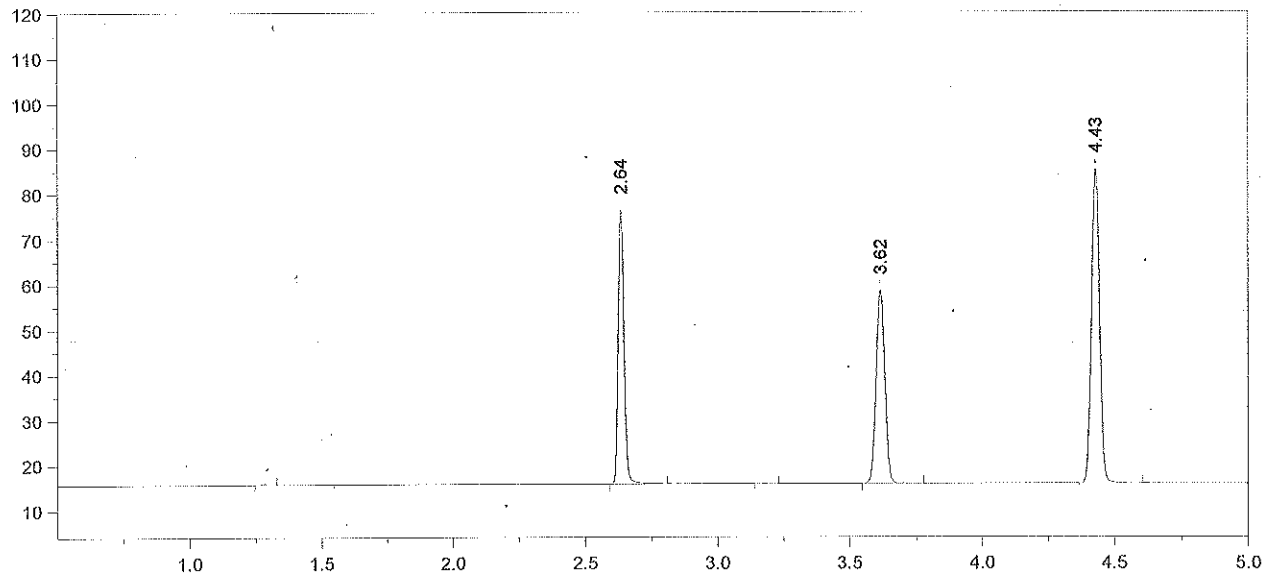
Today's Date = 5/31/2013
Today's Time = 7:27:35 PM
Bound File Name = SIM05312013.0020.RAW
Sample Name = CCS
Date Taken = 5/31/2013 7:27:30 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	62125	0.0841
3	3.62	t-Butanol	101204	1.0224
4	4.43	n-Propanol	145178	1.0000

Avg vials 19 + 20 = 0.085
6/4/13
dw3

13-12-100

62 tot RZM 6/12/13 RZM



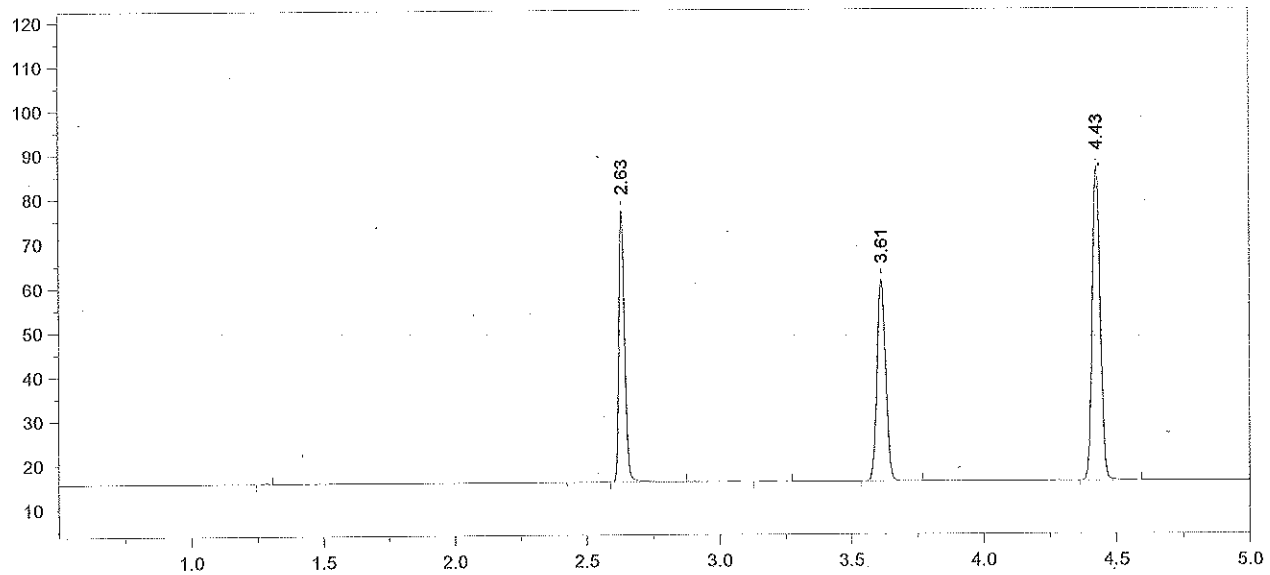
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 7:40:48 PM
Bound File Name = SIM05312013.0021.RAW
Sample Name = 0.1 ALB
Date Taken = 5/31/2013 7:40:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	92087	0.1232	0.1005
4	3.62	t-Butanol	98452	0.9829	0.8022
5	4.43	n-Propanol	146915	1.0000	0.8162

13-12-100

63 ~~62~~ RKM 6/12/13 RKM



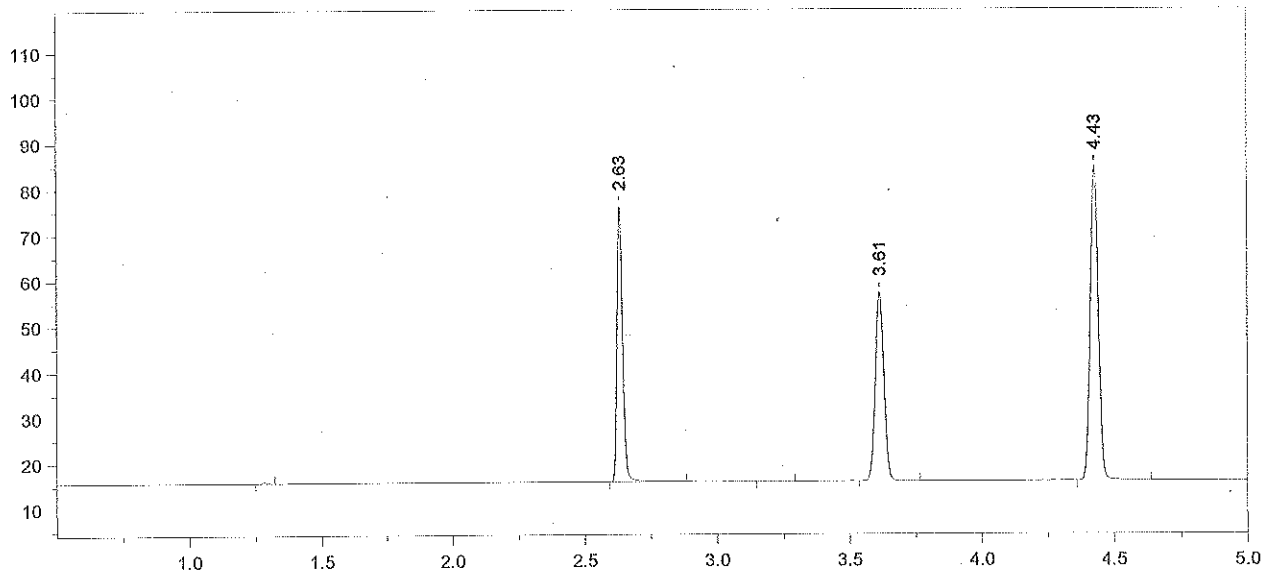
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 7:59:04 PM
Bound File Name = SIM05312013.0022.RAW
Sample Name = 0.1 ALB
Date Taken = 5/31/2013 7:58:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	92749	0.1220	0.0996
4	3.61	t-Butanol	104613	1.0274	0.8386
5	4.43	n-Propanol	149343	1.0000	0.8162

13-12-100

64 ~~65~~ RKM 6/12/13 RKM



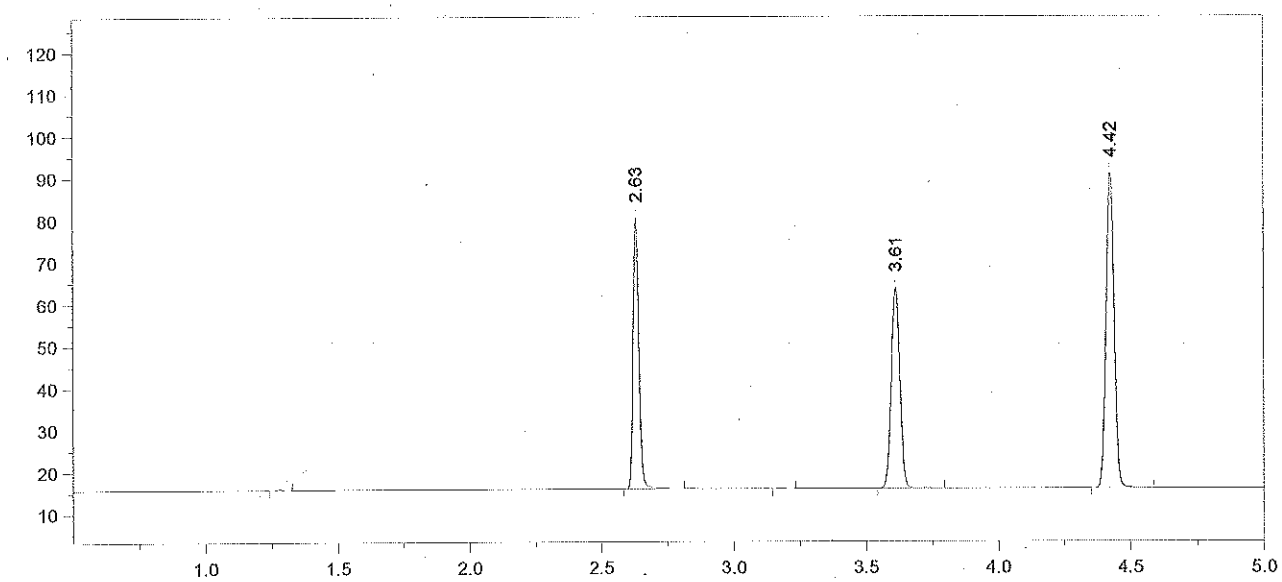
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 8:12:45 PM
Bound File Name = SIM05312013.0023.RAW
Sample Name = 0.1 ALB
Date Taken = 5/31/2013 8:12:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	91053	0.1235	0.1008
4	3.61	t-Butanol	94986	0.9612	0.7846
5	4.43	n-Propanol	144931	1.0000	0.8162

13-12-100

65 ~~64~~ 6/12/13 RLM



Format File Name = simsoln-JFH.met.FMT

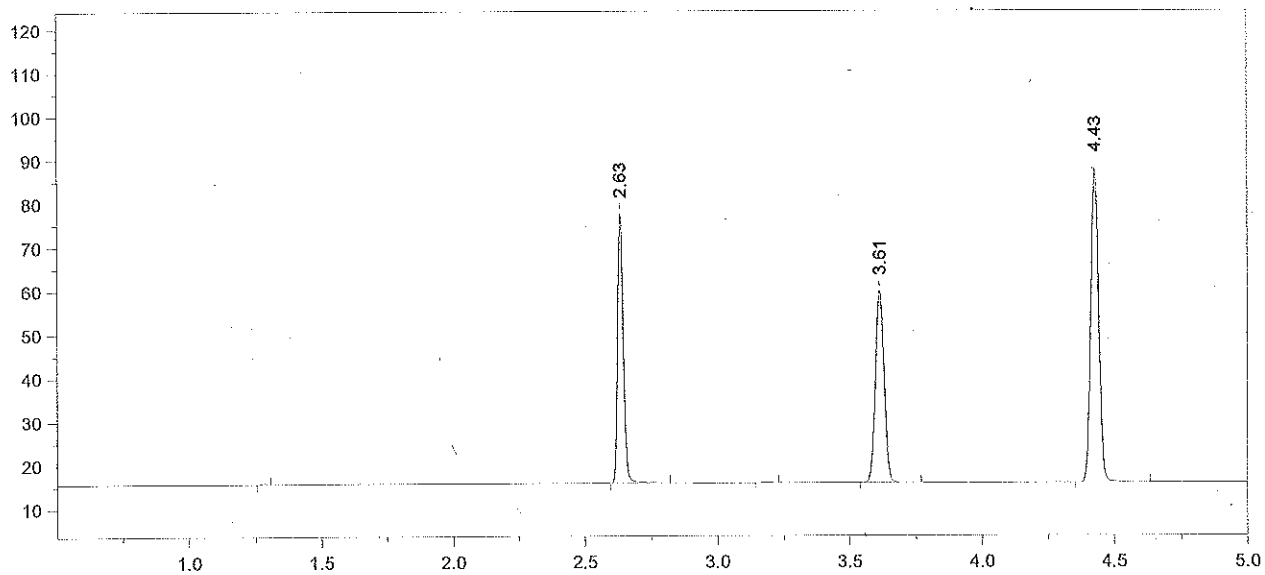
Today's Date = 5/31/2013
Today's Time = 8:28:51 PM
Bound File Name = SIM05312013.0024.RAW
Sample Name = 0.1 ALB
Date Taken = 5/31/2013 8:28:42 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	97206	0.1208	0.0986
4	3.61	t-Butanol	110453	1.0247	0.8363
5	4.42	n-Propanol	158096	1.0000	0.8162

13-12-100

66 ~~65~~ RZM 6/12/13

RZM



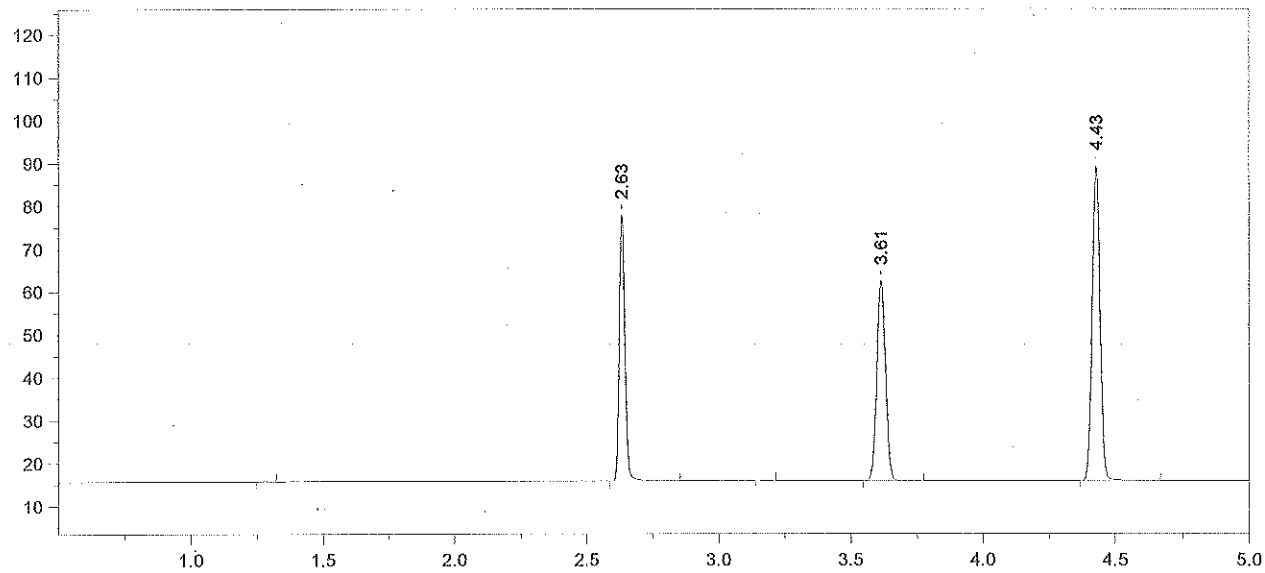
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 8:44:02 PM
Bound File Name = SIM05312013.0025.RAW
Sample Name = 0.1 ALB
Date Taken = 5/31/2013 8:43:57 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	93375	0.1209	0.0987
4	3.61	t-Butanol	101158	0.9775	0.7979
5	4.43	n-Propanol	151774	1.0000	0.8162

13-12-100

67 ~~66~~ RRM 6/12/13 RRM

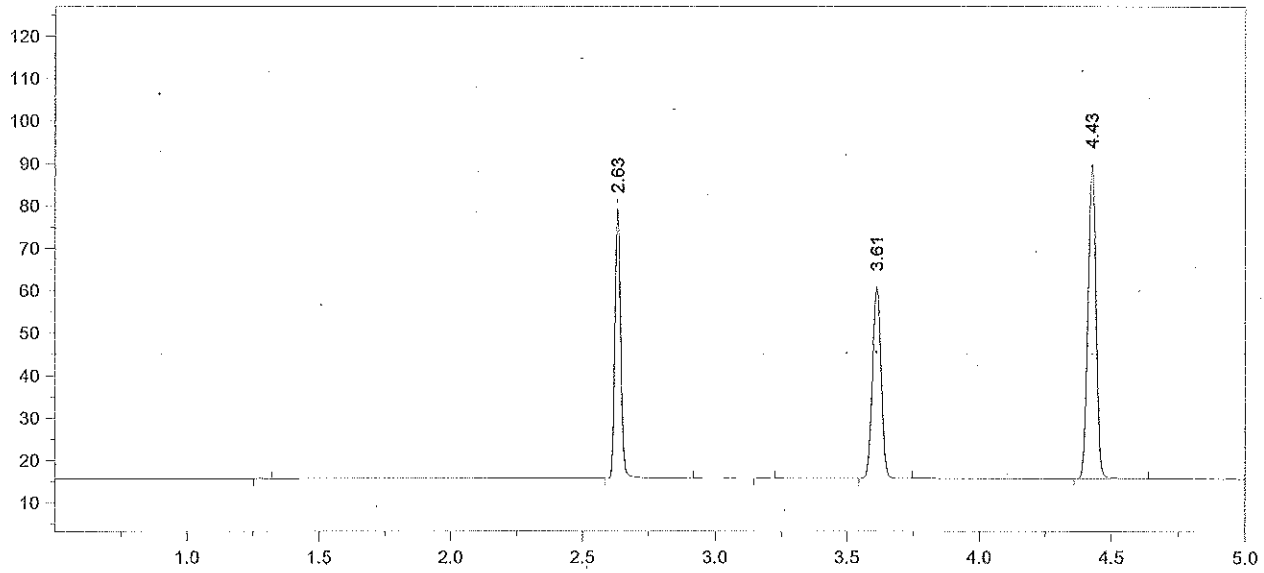


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013 Today's Time = 9:00:20 PM
Bound File Name = SIM05312013.0026.RAW
Sample Name = 0.1 ALB
Date Taken = 5/31/2013 9:00:14 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	93932	0.1191	0.0972
4	3.61	t-Butanol	107650	1.0184	0.8312
5	4.43	n-Propanol	155031	1.0000	0.8162

13-12-100 68 ~~67~~ RLM 6/12/13 RLM



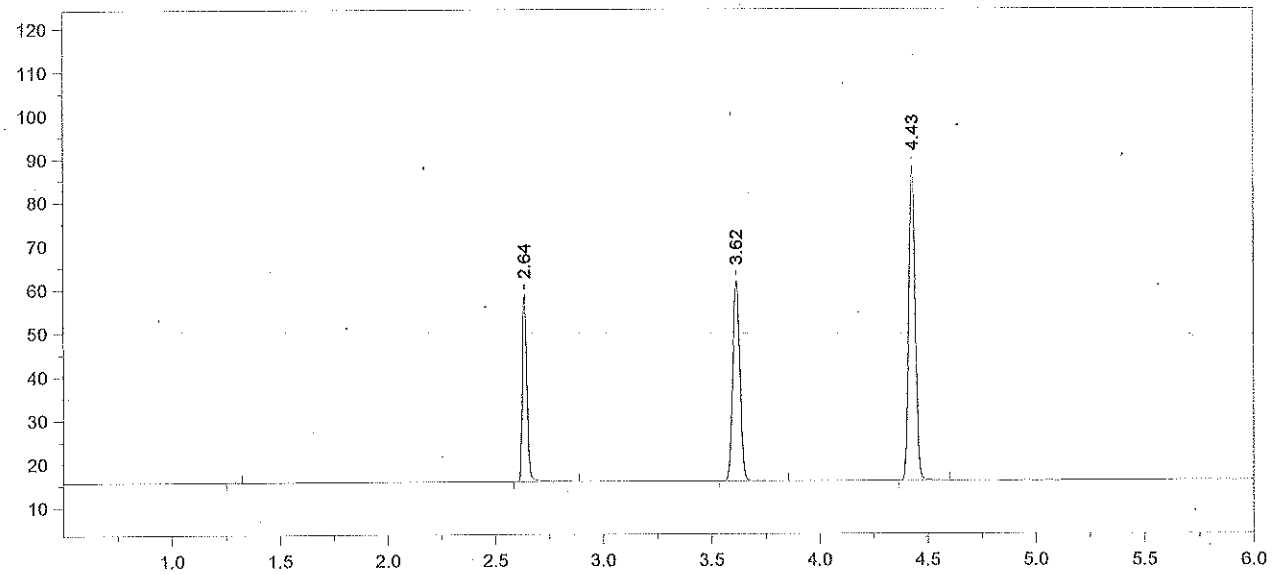
Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/31/2013
Today's Time = 9:13:49 PM
Bound File Name = SIM05312013.0027.RAW
Sample Name = 0.1 ALB
Date Taken = 5/31/2013 9:13:42 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	96385	0.1214	0.0991
4	3.61	t-Butanol	103737	0.9752	0.7960
5	4.43	n-Propanol	156019	1.0000	0.8162

13-12-100

69 RZM 6/12/13
~~68~~ RZM



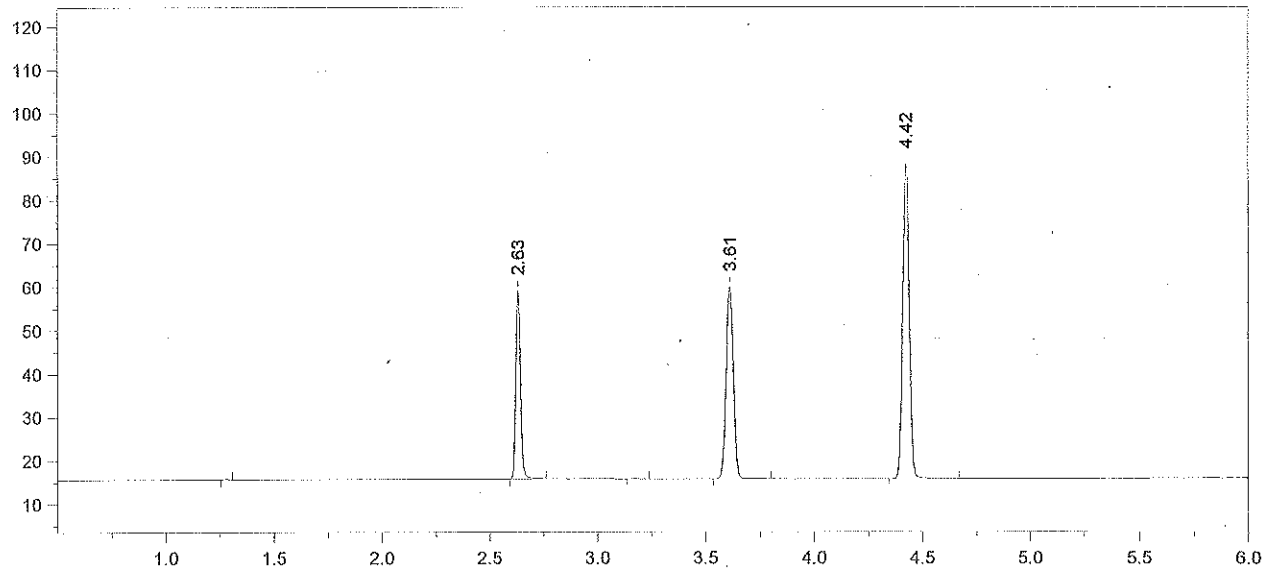
Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 9:31:46 PM
Bound File Name = SIM05312013.0028.RAW
Sample Name = CCS
Date Taken = 5/31/2013 9:31:38 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	65407	0.0842
3	3.62	t-Butanol	106359	1.0222
4	4.43	n-Propanol	152607	1.0000

13-12-100

70 ~~69~~ KM 6/12/13 KM



Format File Name = AlcoholVFL.FMT

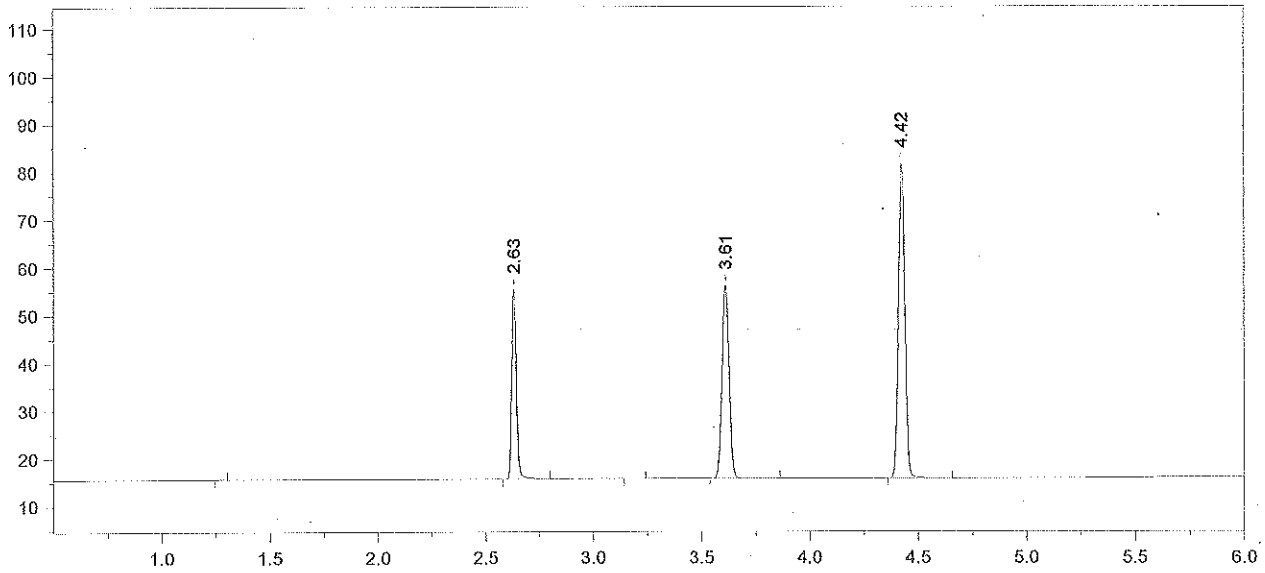
Today's Date = 5/31/2013
Today's Time = 9:45:38 PM
Bound File Name = SIM05312013.0029.RAW
Sample Name = CCS
Date Taken = 5/31/2013 9:45:28 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	65708	0.0846
4	3.61	t-Butanol	102009	0.9797
5	4.42	n-Propanol	152708	1.0000

Avg #28 + #29 = 0.084
RZM 6/12/13

13-12-100

71 RZM 6/12/13 RZM
~~70~~

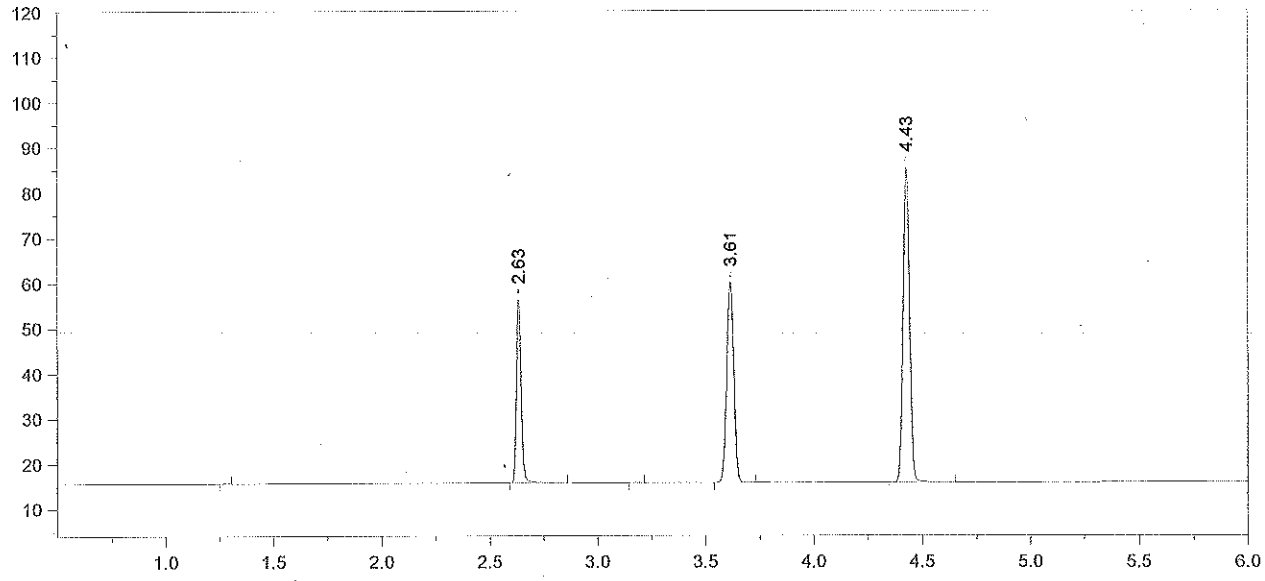


Format File Name = AlcoholVFL.FMT

Today's Date = 5/31/2013
Today's Time = 11:49:36 PM
Bound File Name = SIM05312013.0037.RAW
Sample Name = CCS
Date Taken = 5/31/2013 11:49:30 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	60488	0.0857
4	3.61	t-Butanol	93405	0.9878
5	4.42	n-Propanol	138692	1.0000

13-12-100 72 RLM 6/12/13 RLM



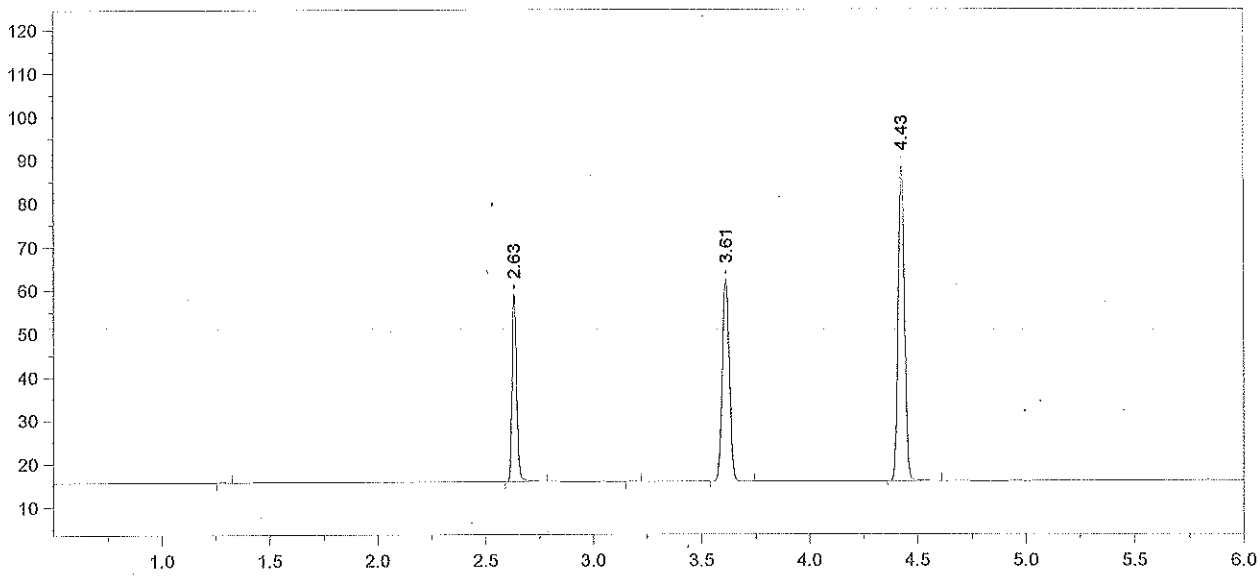
Format File Name = AlcoholVFL.FMT

Today's Date = 6/1/2013
Today's Time = 12:07:16 AM
Bound File Name = SIM05312013.0038.RAW
Sample Name = CCS
Date Taken = 6/1/2013 12:07:12 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	62054	0.0834
4	3.61	t-Butanol	102376	1.0275
5	4.43	n-Propanol	146131	1.0000

Avg #37 + #38 = 0.084
RAM 6/12/13

13-12-100
73
72 RAM 6/12/13
RAM



Format File Name = AlcoholVFL.FMT

Today's Date = 6/1/2013
Today's Time = 2:10:19 AM
Bound File Name = SIM05312013.0046.RAW
Sample Name = CCS
Date Taken = 6/1/2013 2:10:11 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

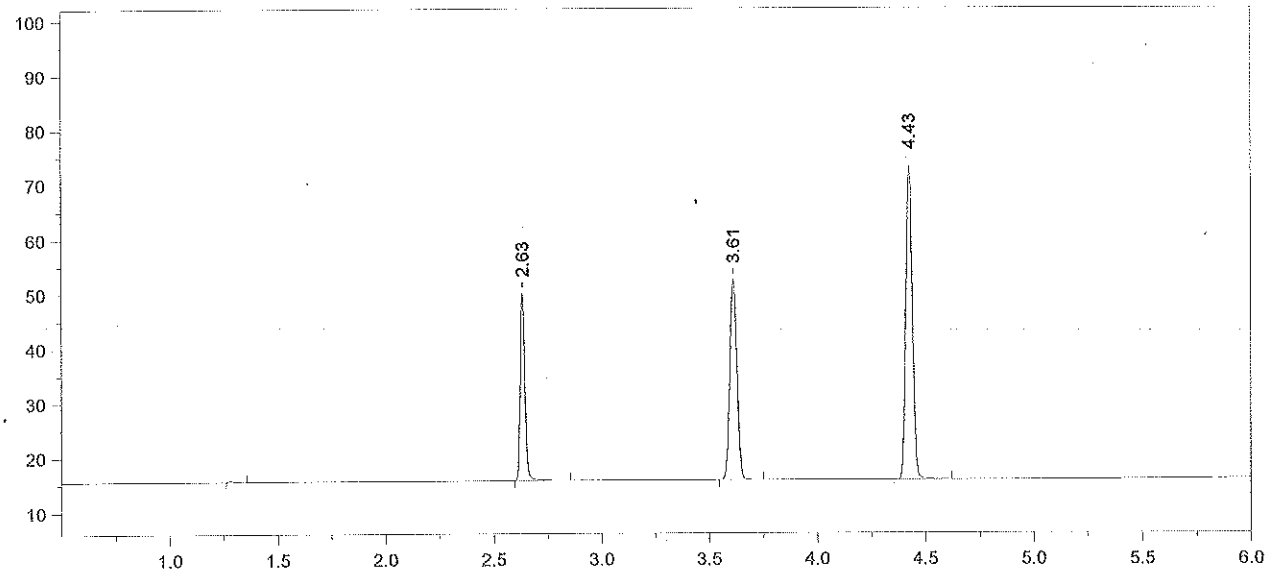
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	65073	0.0837
4	3.61	t-Butanol	106996	1.0272
5	4.43	n-Propanol	152770	1.0000

13-12-100

74
73 RZM 6/12/13

RZM

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 6/1/2013
Today's Time = 2:24:11 AM
Bound File Name = SIM05312013.0047.RAW
Sample Name = CCS
Date Taken = 6/1/2013 2:24:07 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM05312013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	52349	0.0846
3	3.61	t-Butanol	84617	1.0205
4	4.43	n-Propanol	121617	1.0000

Avg #46 + #47 = 0.084
RZM 6/12/13

13-12-100

75 RZM 6/12/13
~~74~~ RZM

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM Date: 6/4/13

6/12/2013

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		0.006	(Y) N	
4	Standard B		0.021	(Y) N	
5	Standard C		0.085	(Y) N	
6	Standard D		0.199	(Y) N	
7	Standard E		0.404	(Y) N	
8 13 RLM 6/6/13	Aqueous QC		0.0794	(Y) N	Avg = 0.079 (99% recovery) ✓
9 14 RLM 6/6/13	Aqueous QC		0.0778	(Y) N	
15 RLM 6/6/13	Aqueous QC		0.0792	(Y) N	

13-12-100

76 RLM 6/12/13
~~75~~

RLM

File Name: C:\Methods\VFL06042013.CAL
Version: 7

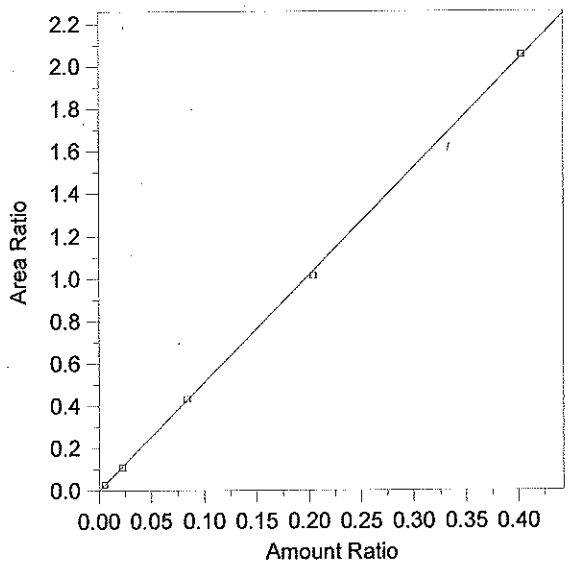
Creator:
Description:
Reason for change:

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:	2.636 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 = 5.074941 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9997846
Average error:	1.947%
Average CF:	5.078022
RSD:	2.440%

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	4251.852	773064	3.289	0.0055	2.883022E-02	C:\Alcohol Data\VFL06042013\VFL06042013.0003.BND	6/4/2013 11:47:05 AM
3	0.0221	16391.3	741687.8	-2.629	0.0221	0.1092073	C:\Alcohol Data\VFL06042013\VFL06042013.0004.BND	6/4/2013 12:04:43 PM
4	0.084	65625.41	781254.9	1.243	0.084	0.4315959	C:\Alcohol Data\VFL06042013\VFL06042013.0005.BND	6/4/2013 12:18:38 PM
5	0.2037	155273.8	762267	-2.087	0.2037	1.01219	C:\Alcohol Data\VFL06042013\VFL06042013.0006.BND	6/4/2013 12:36:08 PM
6	0.4026	304379.1	756033.6	0.487	0.4026	2.053131	C:\Alcohol Data\VFL06042013\VFL06042013.0007.BND	6/4/2013 12:49:51 PM

77 RKM 6/12/13 RKM
76

13-12-100

File Name = C:\Alcohol Data\VFL06042013\VFL06042013.SEQ
Version = 2
File Date = 6/4/2013 11:54:37 AM

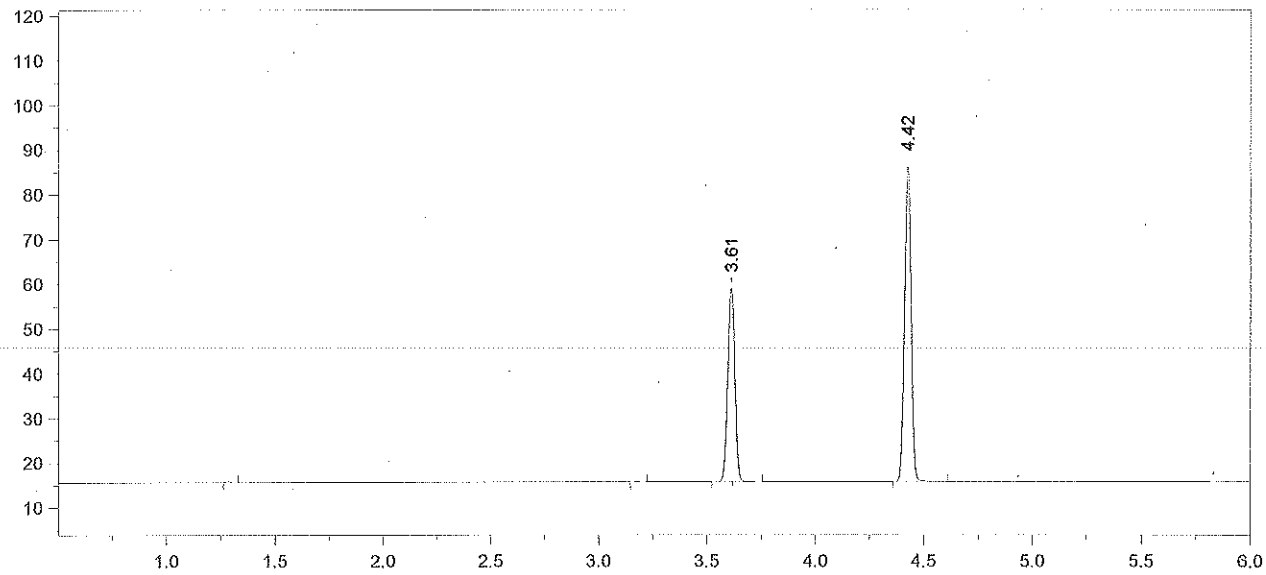
Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL06042013.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL06042013.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL06042013.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	VFL06042013.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	VFL06042013.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	VFL06042013.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	VFL06042013.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	VFL06042013.0008.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
9	VFL06042013.0009.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
10	VFL06042013.0010.raw	Blood Alc temp VFL.MET	WB	1.00	1.00
11	VFL06042013.0011.raw	Blood Alc temp VFL.MET	WB	1.00	1.00
12	VFL06042013.0012.raw	Blood Alc temp VFL.MET	WB	1.00	1.00
13	VFL06042013.0013.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
14	VFL06042013.0014.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
15	VFL06042013.0015.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
16	VFL06042013.0016.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
17	VFL06042013.0017.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
18	VFL06042013.0018.raw	Blood Alc temp VFL.MET	New-Blank	1.00	1.00
19	VFL06042013.0019.raw	Blood Alc temp VFL.MET	New-TMX	1.00	1.00
20	VFL06042013.0020.raw	Blood Alc temp VFL.MET	New-0.005 STD	1.00	1.00
21	VFL06042013.0021.raw	Blood Alc temp VFL.MET	New-0.02 STD	1.00	1.00
22	VFL06042013.0022.raw	Blood Alc temp VFL.MET	New-0.08 STD	1.00	1.00
23	VFL06042013.0023.raw	Blood Alc temp VFL.MET	New-0.20 STD	1.00	1.00
24	VFL06042013.0024.raw	Blood Alc temp VFL.MET	New-0.40 STD	1.00	1.00
25	VFL06042013.0025.raw	Blood Alc temp VFL.MET	New-CCS	1.00	1.00
26	VFL06042013.0026.raw	Blood Alc temp VFL.MET	New-CCS	1.00	1.00
27	VFL06042013.0027.raw	Blood Alc temp VFL.MET	New-WB	1.00	1.00
28	VFL06042013.0028.raw	Blood Alc temp VFL.MET	New-WB	1.00	1.00
29	VFL06042013.0029.raw	Blood Alc temp VFL.MET	New-WB	1.00	1.00
30	VFL06042013.0030.raw	Blood Alc temp VFL.MET	New-AQ QC	1.00	1.00
31	VFL06042013.0031.raw	Blood Alc temp VFL.MET	New-AQ QC	1.00	1.00
32	VFL06042013.0032.raw	Blood Alc temp VFL.MET	New-AQ QC	1.00	1.00
33	VFL06042013.0033.raw	Blood Alc temp VFL.MET	New-CCS	1.00	1.00
34	VFL06042013.0034.raw	Blood Alc temp VFL.MET	New-CCS	1.00	1.00
35	VFL06042013.0035.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
36	VFL06042013.0036.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
37	VFL06042013.0037.raw	simsoln.met	0.1 RLM	1.00	1.00
38	VFL06042013.0038.raw	simsoln.met	0.1 RLM	1.00	1.00
39	VFL06042013.0039.raw	simsoln.met	0.1 RLM	1.00	1.00
40	VFL06042013.0040.raw	simsoln.met	0.1 RLM	1.00	1.00
41	VFL06042013.0041.raw	simsoln.met	0.1 RLM	1.00	1.00
42	VFL06042013.0042.raw	simsoln.met	0.1 RLM	1.00	1.00
43	VFL06042013.0043.raw	simsoln.met	0.1 RLM	1.00	1.00
44	VFL06042013.0044.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
45	VFL06042013.0045.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
46	VFL06042013.0046.raw	simsoln.met	0.1 ALB	1.00	1.00
47	VFL06042013.0047.raw	simsoln.met	0.1 ALB	1.00	1.00
48	VFL06042013.0048.raw	simsoln.met	0.1 ALB	1.00	1.00
49	VFL06042013.0049.raw	simsoln.met	0.1 ALB	1.00	1.00
50	VFL06042013.0050.raw	simsoln.met	0.1 ALB	1.00	1.00
51	VFL06042013.0051.raw	simsoln.met	0.1 ALB	1.00	1.00
52	VFL06042013.0052.raw	simsoln.met	0.1 ALB	1.00	1.00
53	VFL06042013.0053.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
54	VFL06042013.0054.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

verification samples not included RZM 6/6/13

13-12-100

78 RZM 6/12/13

~~77~~ RZM



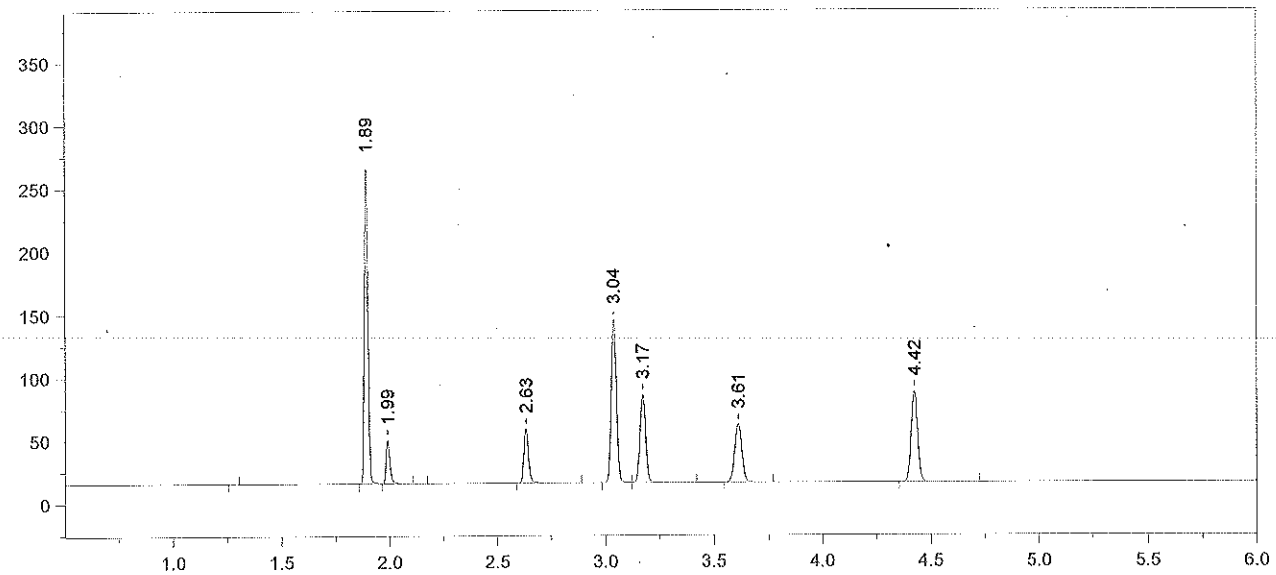
Format File Name = AlcoholVFL.FMT

Today's Date = 6/6/2013
Today's Time = 8:01:03 AM
Bound File Name = VFL06042013.0001.RAW
Sample Name = Blank
Date Taken = 6/4/2013 11:15:16 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.61	t-Butanol	99449	0.9732
4	4.42	n-Propanol	149341	1.0000

13-12-100

79 RZM 6/12/13
78 RZM

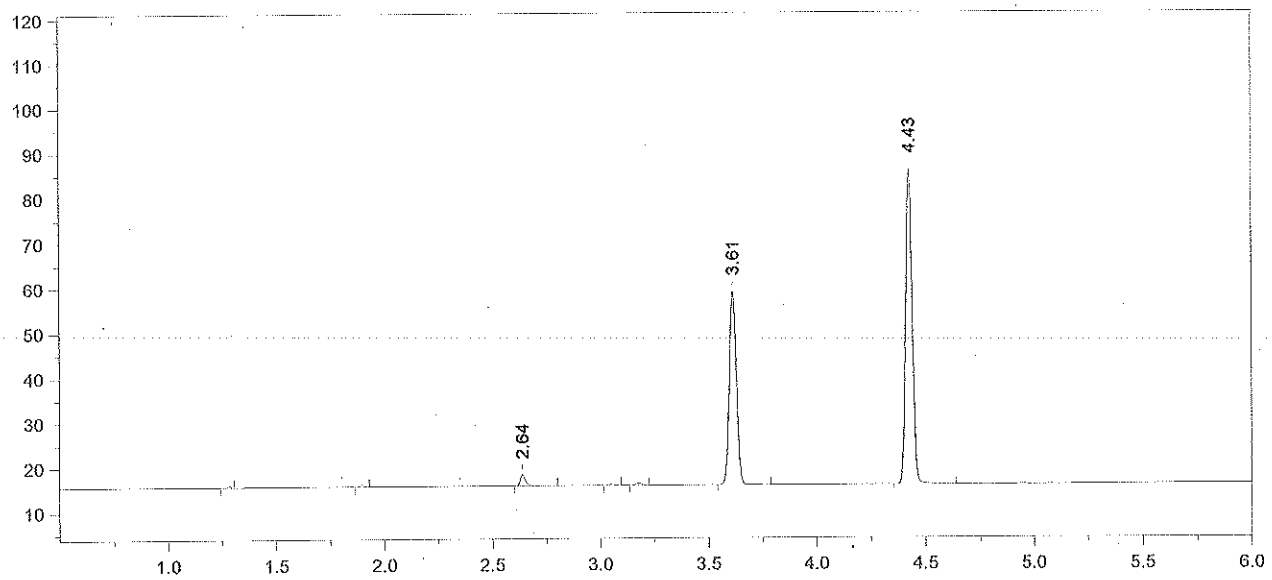


Format File Name = AlcoholVFL.FMT

Today's Date = 6/6/2013
Today's Time = 8:01:09 AM
Bound File Name = VFL06042013.0002.RAW
Sample Name = TMX
Date Taken = 6/4/2013 11:33:13 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.89	Acetaldehyde	285080	0.0720
3	1.99	Methanol	40540	0.1210
4	2.63	Ethanol	65769	0.0857
5	3.04	Acetone	219296	0.0690
6	3.17	Isopropanol	129578	0.0830
7	3.61	t-Butanol	105955	1.0240
8	4.42	n-Propanol	151219	1.0000

13-12-100 80 79 6/12/13

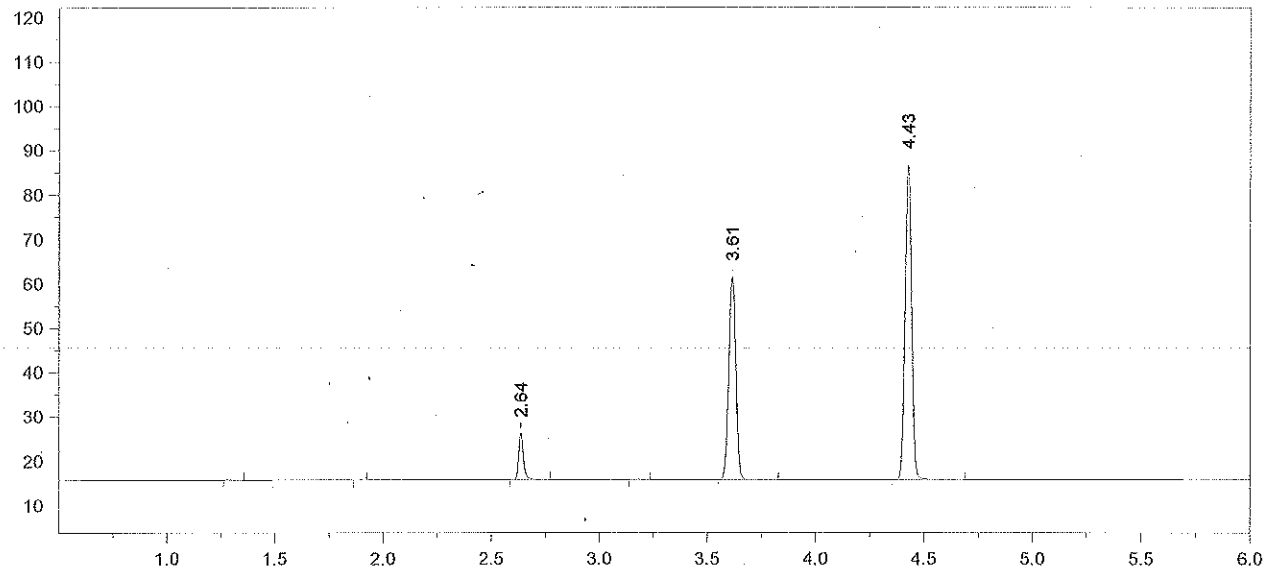


Format File Name = AlcoholVFL.FMT

Today's Date = 6/6/2013
Today's Time = 8:01:14 AM
Bound File Name = VFL06042013.0003.RAW
Sample Name = STD A
Date Taken = 6/4/2013 11:47:01 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	04252	0.0057
6	3.61	t-Butanol	99053	0.9816
7	4.43	n-Propanol	147479	1.0000

13-12-100 81 ~~80~~ 6/12/13 AKM



Format File Name = AlcoholVFL.FMT

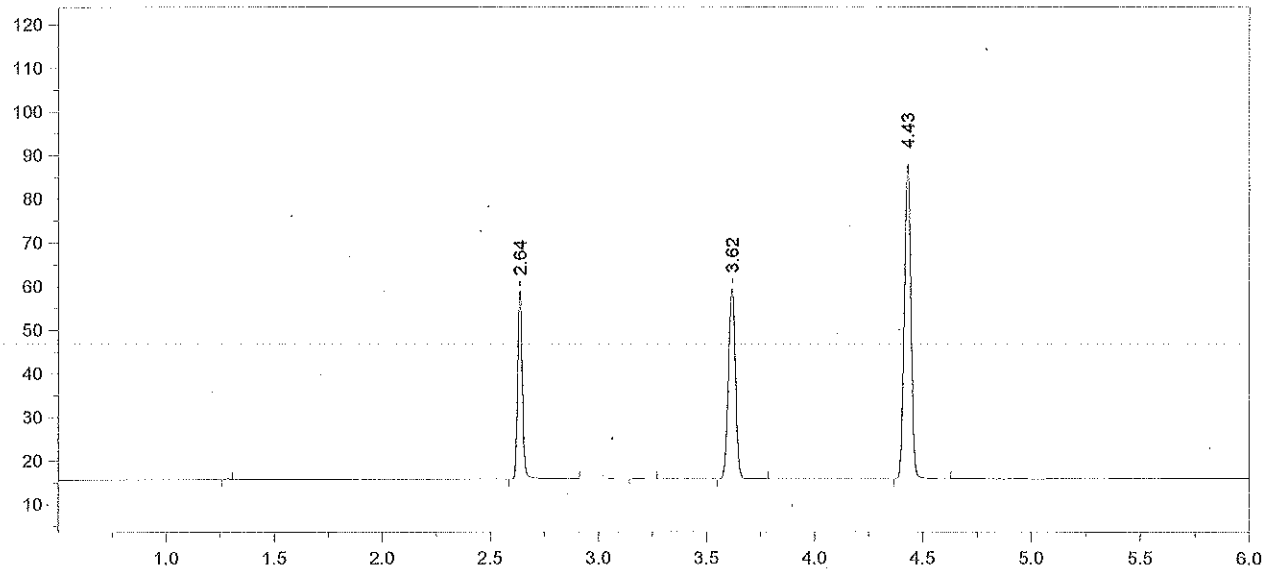
Today's Date = 6/6/2013
Today's Time = 8:01:20 AM
Bound File Name = VFL06042013.0004.RAW
Sample Name = STD B
Date Taken = 6/4/2013 12:04:37 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.64	Ethanol	16391	0.0215
5	3.61	t-Butanol	105705	1.0293
6	4.43	n-Propanol	150094	1.0000

13-12-100

82 RLM 6/12/13
84

RLM



Format File Name = AlcoholVFL.FMT

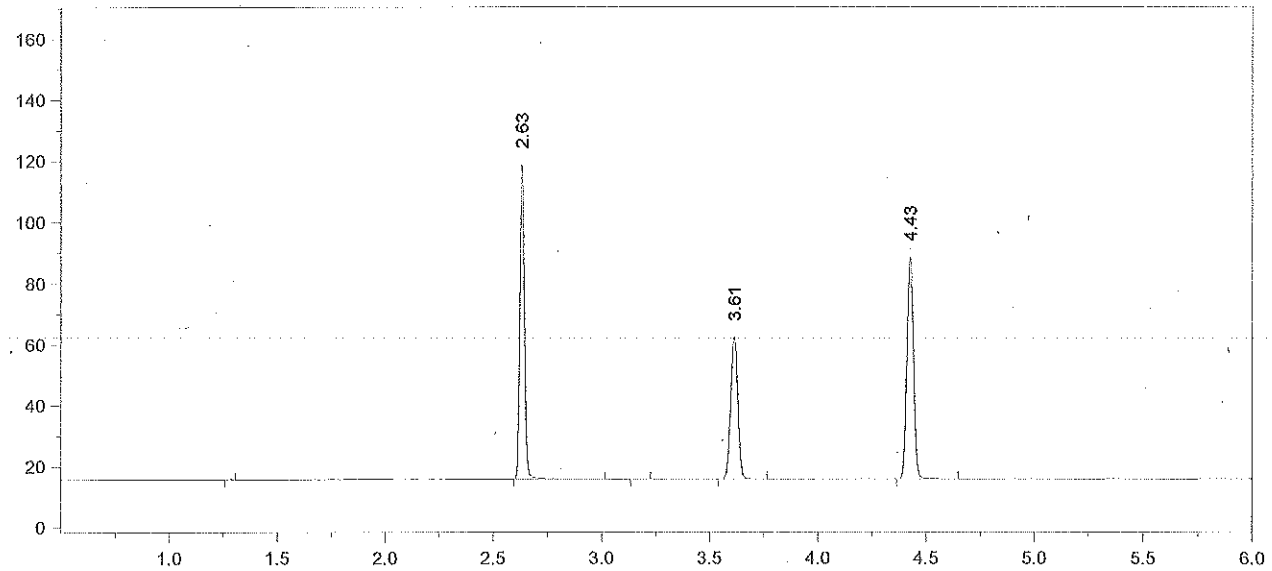
Today's Date = 6/6/2013
Today's Time = 8:01:26 AM
Bound File Name = VFL06042013.0005.RAW
Sample Name = STD C
Date Taken = 6/4/2013 12:18:28 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	65625	0.0850 *
4	3.62	t-Butanol	100563	0.9666
5	4.43	n-Propanol	152053	1.0000

13-12-100

83 RKM 6/12/13
~~82~~

RKM



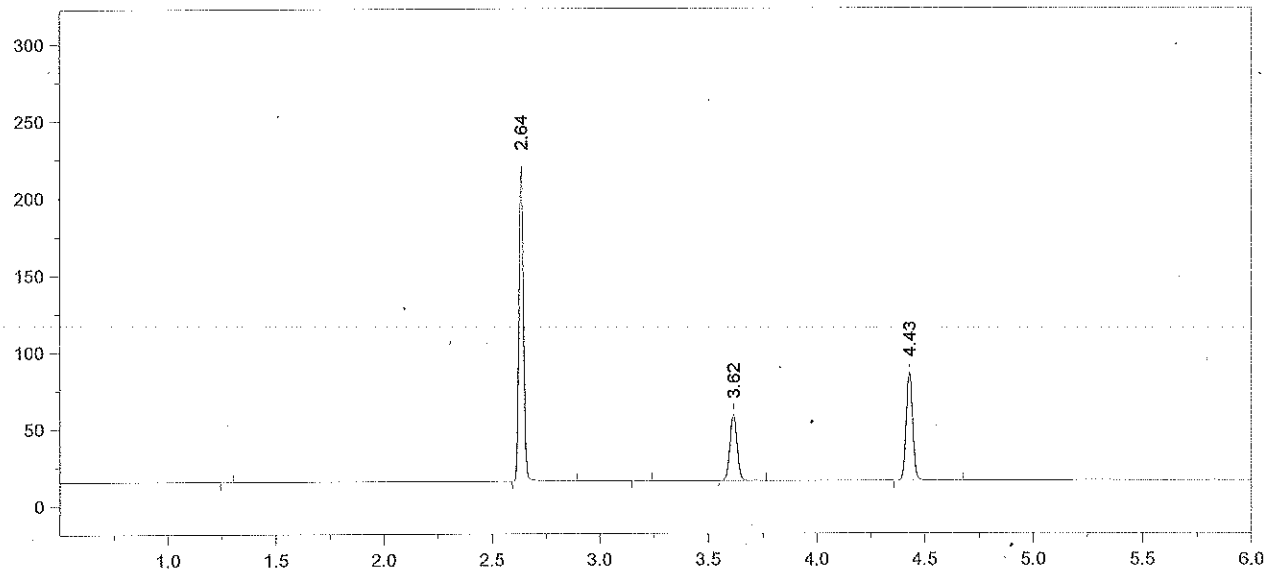
Format File Name = AlcoholVFL.FMT

Today's Date = 6/6/2013
Today's Time = 8:01:32 AM
Bound File Name = VFL06042013.0006.RAW
Sample Name = STD D
Date Taken = 6/4/2013 12:36:02 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	155274	0.1994 *
4	3.61	t-Butanol	107241	1.0217
5	4.43	n-Propanol	153404	1.0000

13-12-100

84 RRM 6/12/13
~~85~~ RRM

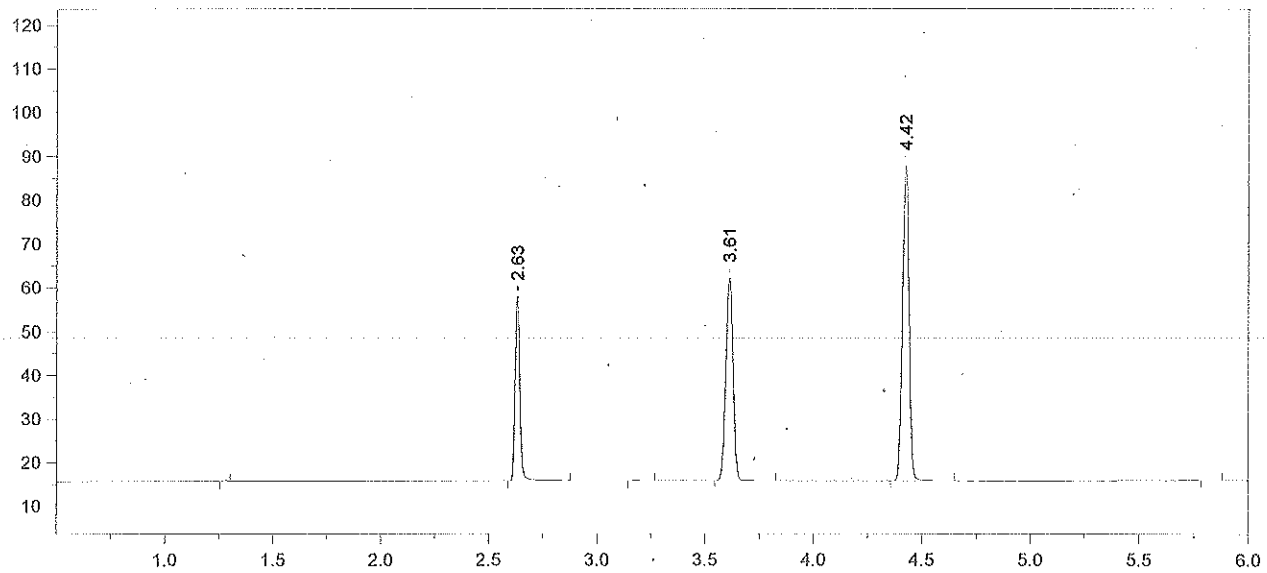


Format File Name = AlcoholVFL.FMT

Today's Date = 6/6/2013
Today's Time = 8:01:37 AM
Bound File Name = VFL06042013.0007.RAW
Sample Name = STD E
Date Taken = 6/4/2013 12:49:45 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	304379	0.4046 *
4	3.62	t-Butanol	99090	0.9768
5	4.43	n-Propanol	148251	1.0000

13-12-100 85 ~~84~~ RKM 6/12/13 RKM



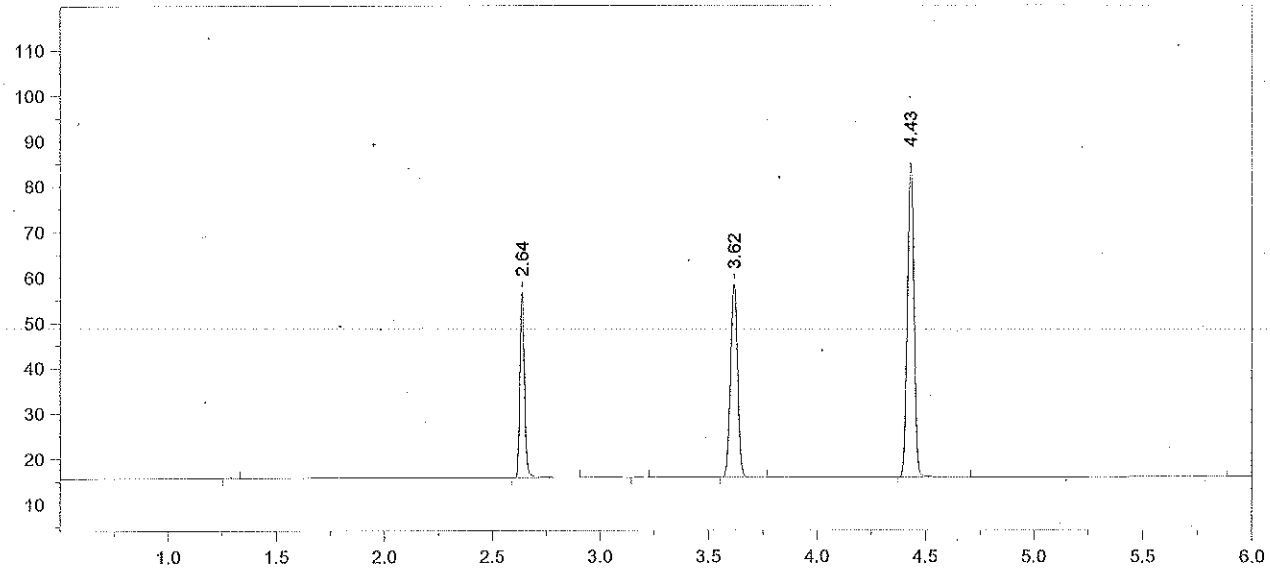
Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013
Today's Time = 1:07:32 PM
Bound File Name = VFL06042013.0008.RAW
Sample Name = CCS
Date Taken = 6/4/2013 1:07:26 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	64623	0.0837
4	3.61	t-Butanol	106858	1.0266
5	4.42	n-Propanol	152125	1.0000

13-12-100

86 RKM 6/12/13 RKM
85



Format File Name = AlcoholVFL.FMT

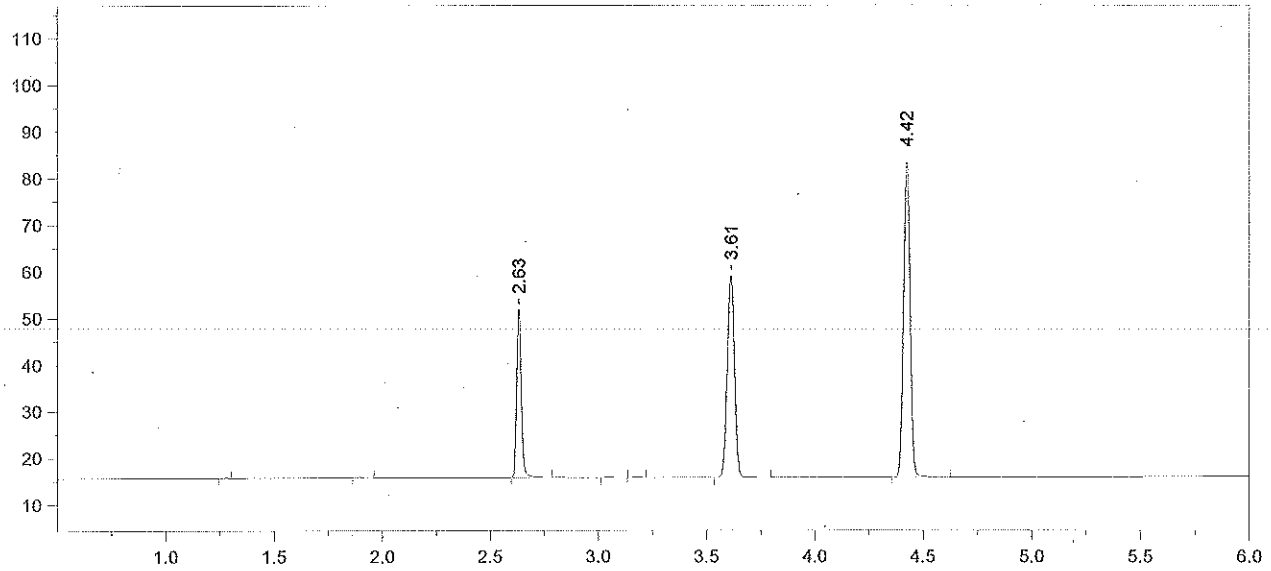
Today's Date = 6/4/2013
Today's Time = 1:20:50 PM
Bound File Name = VFL06042013.0009.RAW
Sample Name = CCS
Date Taken = 6/4/2013 1:20:41 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	62540	0.0838 *
4	3.62	t-Butanol	98175	0.9756
5	4.43	n-Propanol	147073	1.0000

Avg #8 + #9 = 0.084
RLM 6/6/13

13-12-100

87 RLM 6/12/13
~~86~~ RLM

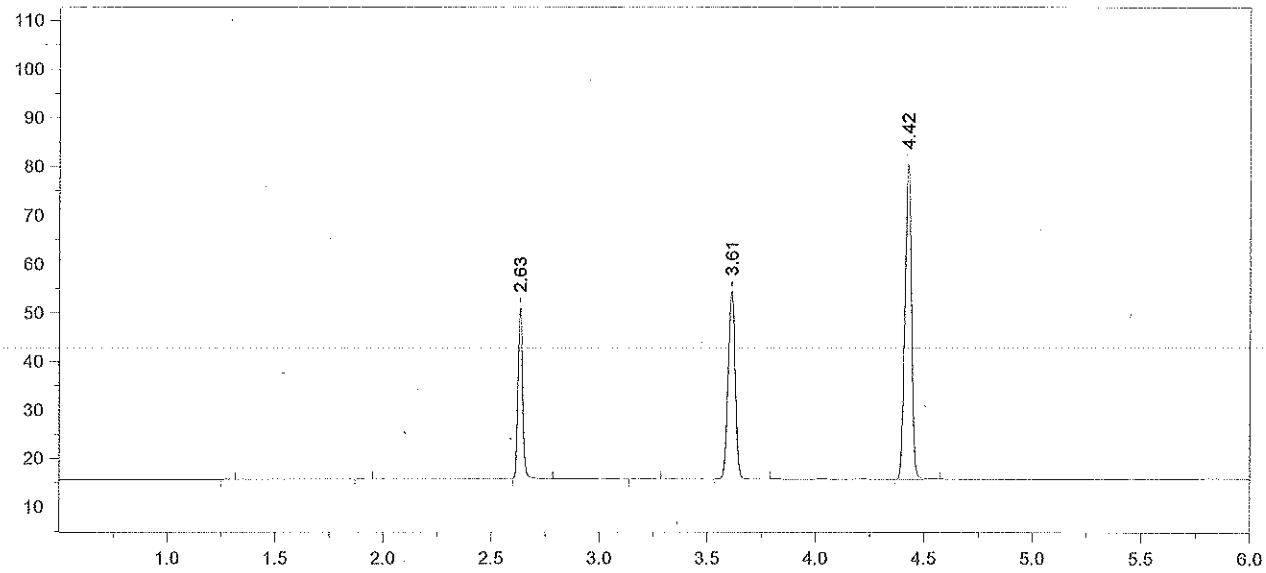


Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013
Today's Time = 1:38:57 PM
Bound File Name = VFL06042013.0010.RAW
Sample Name = WB
Date Taken = 6/4/2013 1:38:50 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	54646	0.0752 *
6	3.61	t-Butanol	99839	1.0188
7	4.42	n-Propanol	143219	1.0000

13-12-100 88 RZM 6/12/13 87 RZM

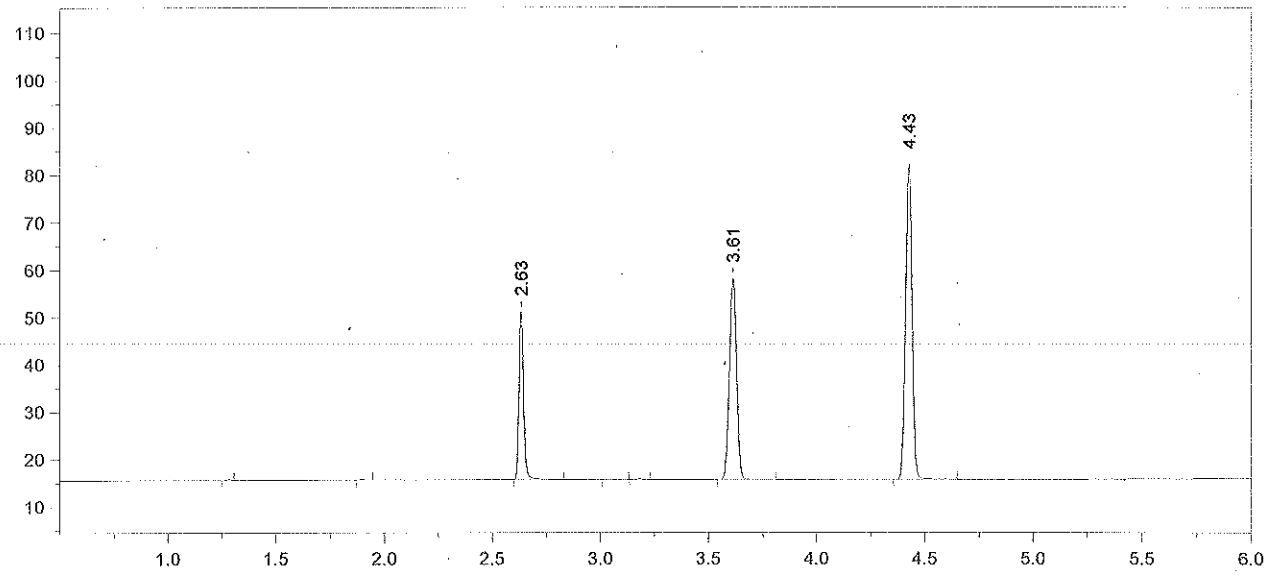


Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013 Today's Time = 1:53:00 PM
Bound File Name = VFL06042013.0011.RAW
Sample Name = WB
Date Taken = 6/4/2013 1:52:51 PM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	53812	0.0778 *
5	3.61	t-Butanol	89160	0.9559
6	4.42	n-Propanol	136323	1.0000

13-12-100 ~~88~~ 89 RKM 6/12/13 RLM



Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013
Today's Time = 2:10:22 PM
Bound File Name = VFL06042013.0012.RAW
Sample Name = WB
Date Taken = 6/4/2013 2:10:15 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.63	Ethanol	54027	0.0759 *
6	3.61	t-Butanol	97642	1.0175
7	4.43	n-Propanol	140244	1.0000

Avg #10, #11, + #12 = 0.076
RLM 6/6/13

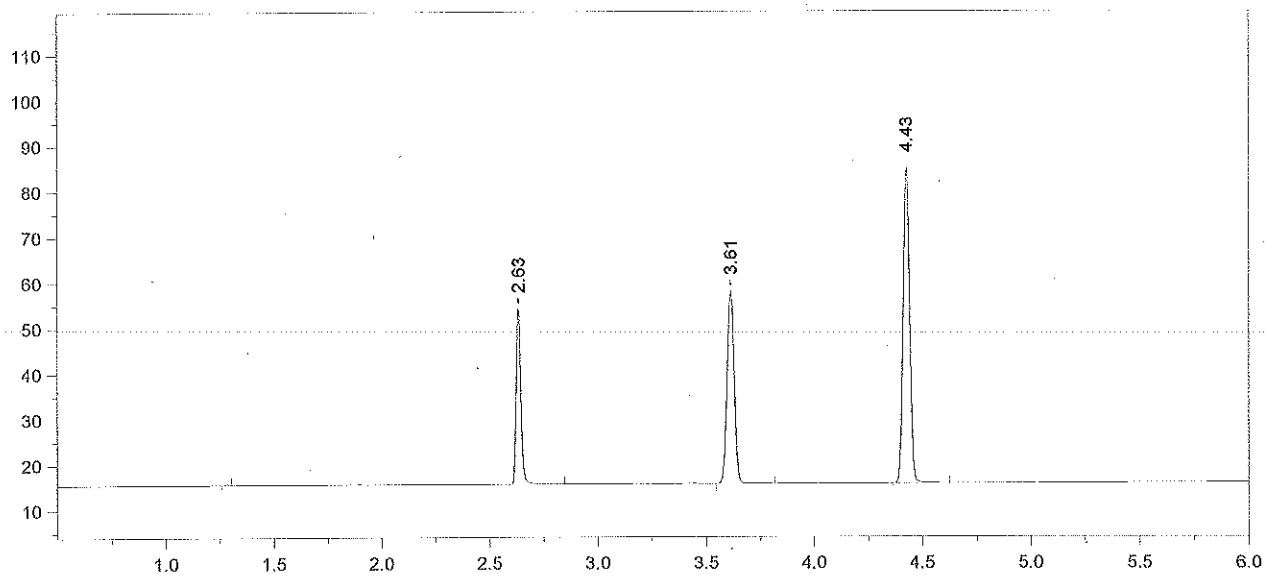
WB Control: Cliniqa
Lot #: 0911120A
Target value: 0.076
Acceptance range: 0.068 - 0.083

% recovery = 100 %
RLM 6/6/13

13-12-100

90 ~~89~~ RLM 6/12/13 RLM

Chrom Perfect Chromatogram Report



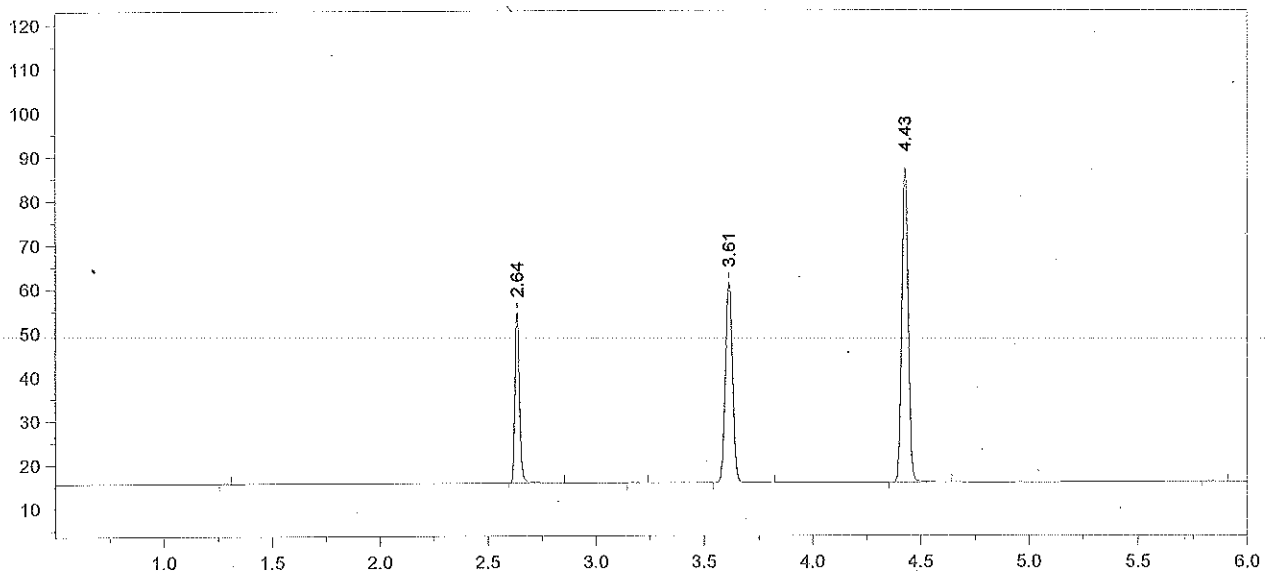
Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013
Today's Time = 2:24:00 PM
Bound File Name = VFL06042013.0013.RAW
Sample Name = AQ QC
Date Taken = 6/4/2013 2:23:55 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	58569	0.0794 *
3	3.61	t-Butanol	97483	0.9805
4	4.43	n-Propanol	145298	1.0000

13-12-100

91 RZM 6/12/13
~~90~~ RZM



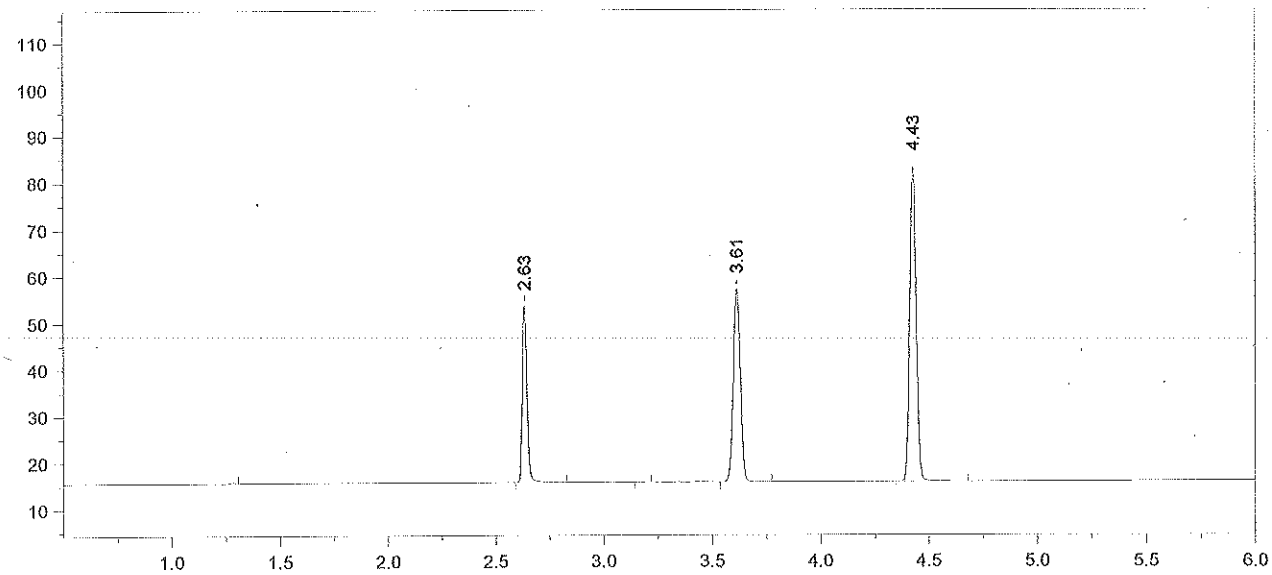
Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013
Today's Time = 2:41:51 PM
Bound File Name = VFL06042013.0014.RAW
Sample Name = AQ QC
Date Taken = 6/4/2013 2:41:44 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	59327	0.0778 *
4	3.61	t-Butanol	105240	1.0233
5	4.43	n-Propanol	150307	1.0000

13-12-100

92 ~~RKM~~ 6/12/13 RKM
91



Format File Name = AlcoholVFL.FMT

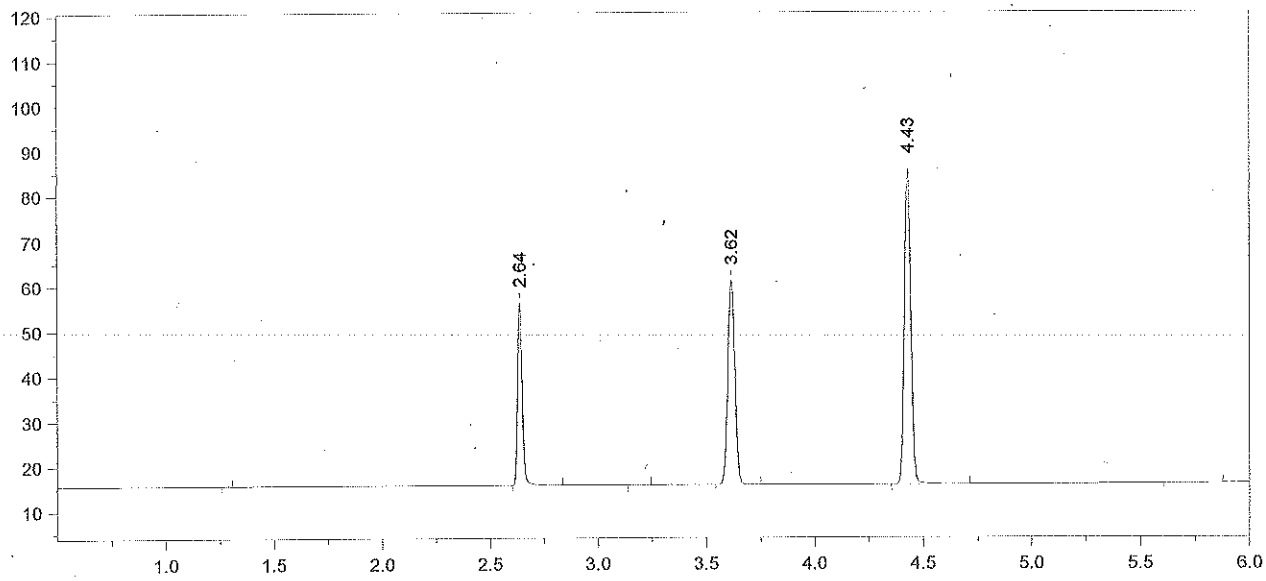
Today's Date = 6/4/2013
Today's Time = 2:55:33 PM
Bound File Name = VFL06042013.0015.RAW
Sample Name = AQ QC
Date Taken = 6/4/2013 2:55:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	57245	0.0792 *
4	3.61	t-Butanol	94969	0.9747
5	4.43	n-Propanol	142391	1.0000

Avg #13, #14, + #15 = 0.079
RZM 6/6/13

13-12-100

93 RZM 6/12/13
92 RZM



Format File Name = AlcoholVFL.FMT

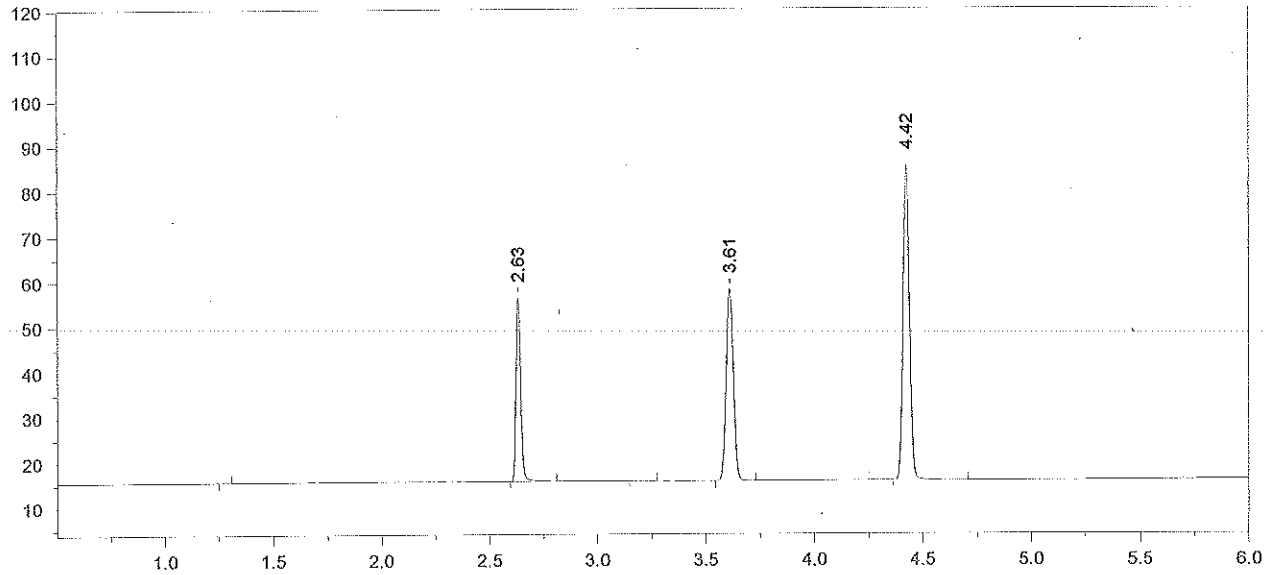
Today's Date = 6/4/2013
Today's Time = 3:13:12 PM
Bound File Name = VFL06042013.0016.RAW
Sample Name = CCS
Date Taken = 6/4/2013 3:13:08 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	61239	0.0818 *
4	3.62	t-Butanol	104033	1.0308
5	4.43	n-Propanol	147494	1.0000

13-12-100

94 RM 6/12/13 RM
95

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

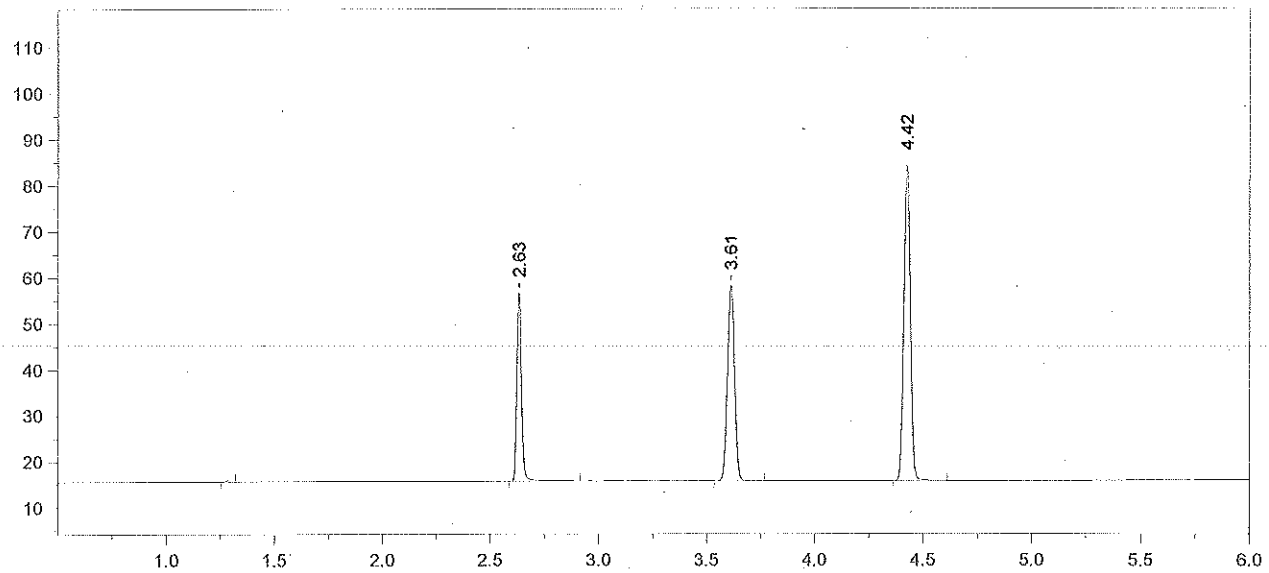
Today's Date = 6/4/2013
Today's Time = 3:26:29 PM
Bound File Name = VFL06042013.0017.RAW
Sample Name = CCS
Date Taken = 6/4/2013 3:26:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	62085	0.0832 *
4	3.61	t-Butanol	97665	0.9710
5	4.42	n-Propanol	146992	1.0000

Avg #16 + #17 = 0.082
RZM 6/6/13

13-12-100

95 RZM 6/12/13
~~94~~ RZM



Format File Name = AlcoholVFL.FMT

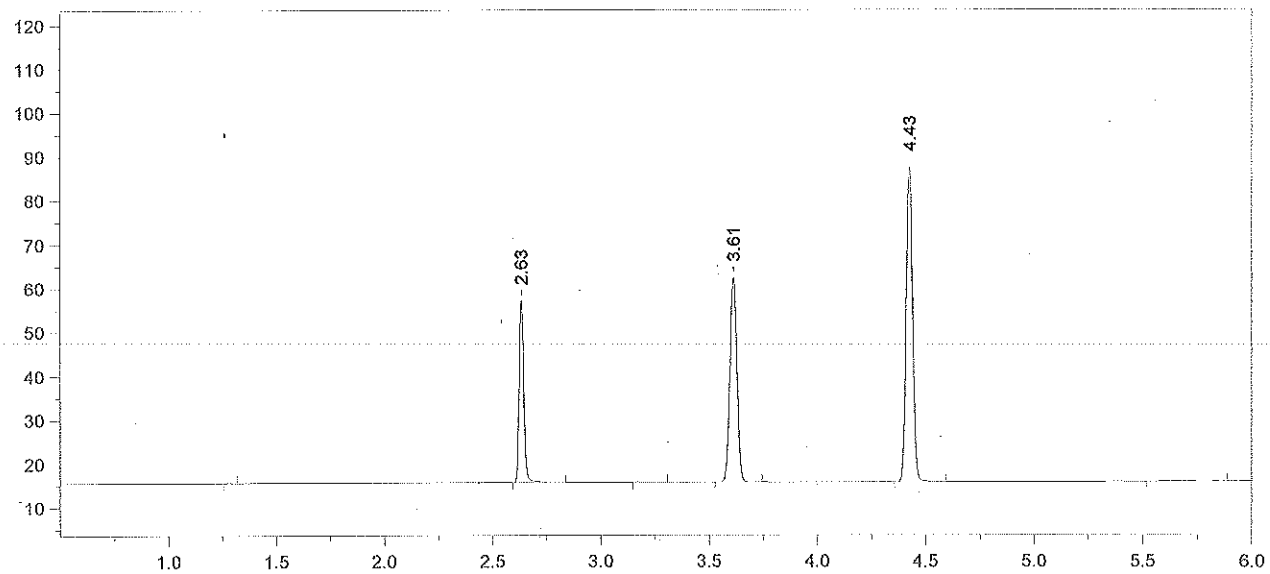
Today's Date = 6/4/2013
Today's Time = 8:09:44 PM
Bound File Name = VFL06042013.0035.RAW
Sample Name = CCS
Date Taken = 6/4/2013 8:09:38 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	62814	0.0855 *
3	3.61	t-Butanol	97485	0.9839
4	4.42	n-Propanol	144799	1.0000

13-12-100

96 ~~95~~ RLM 6/12/13 RLM

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

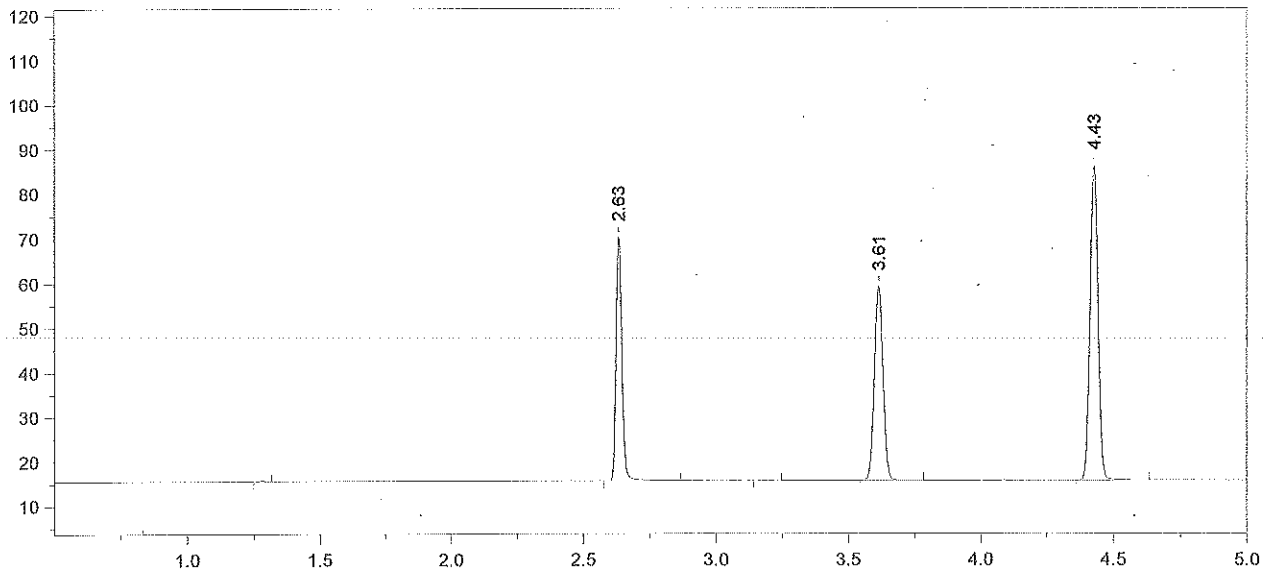
Today's Date = 6/4/2013
Today's Time = 8:25:52 PM
Bound File Name = VFL06042013.0036.RAW
Sample Name = CCS
Date Taken = 6/4/2013 8:25:47 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.63	Ethanol	62959	0.0815 *
4	3.61	t-Butanol	107395	1.0311
5	4.43	n-Propanol	152215	1.0000

Avg #35 + #36 = 0.083
RZM 6/6/13

13-12-100

97 RZM 6/12/13 RZM
~~96~~



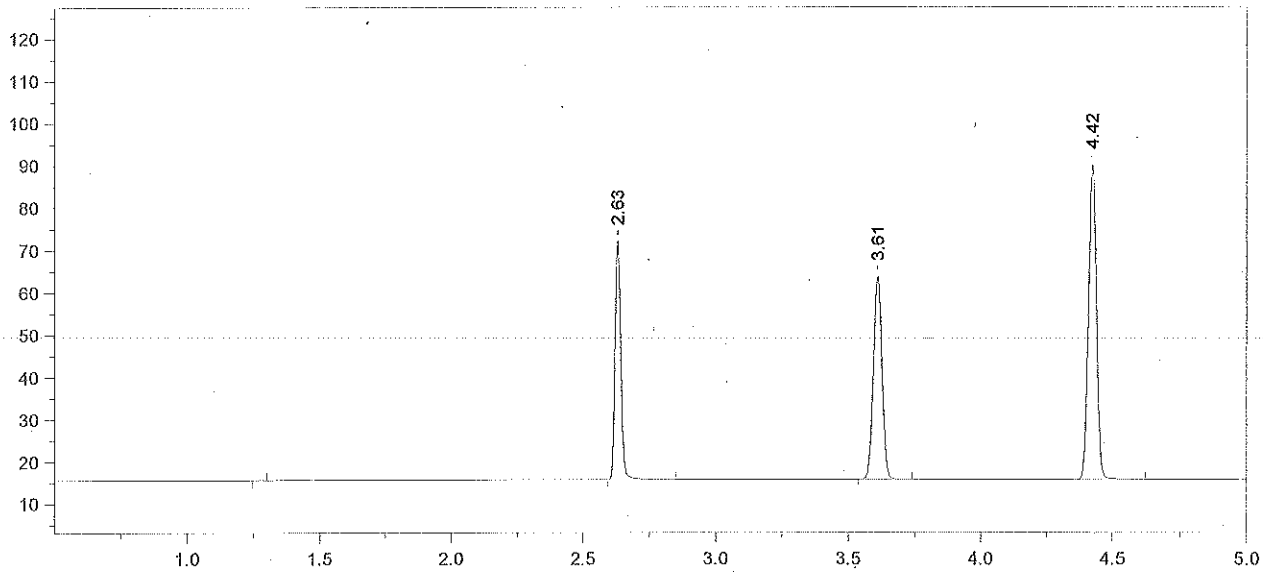
Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 8:39:57 PM
Bound File Name = VFL06042013.0037.RAW
Sample Name = 0.1 RLM
Date Taken = 6/4/2013 8:39:50 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	83075	0.1101	0.0898
4	3.61	t-Butanol	100447	0.9870	0.8056
5	4.43	n-Propanol	148734	1.0000	0.8162

13-12-100

98 RLM 6/12/13
97 RLM



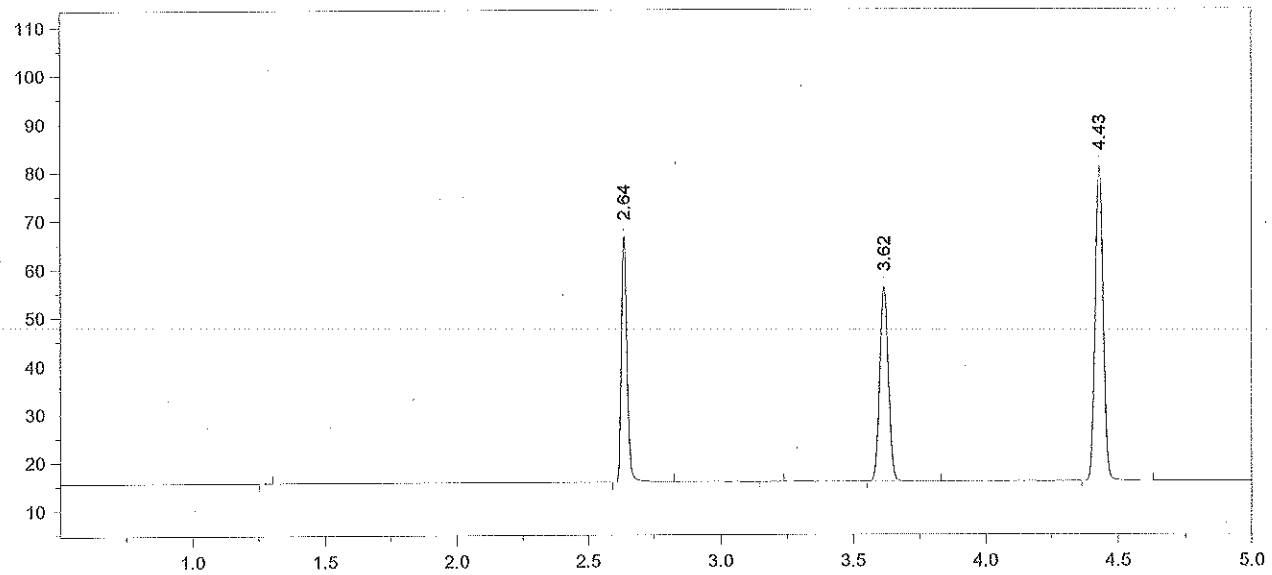
Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 8:57:18 PM
Bound File Name = VFL06042013.0038.RAW
Sample Name = 0.1 RLM
Date Taken = 6/4/2013 8:57:14 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	85056	0.1070	0.0873
3	3.61	t-Butanol	110257	1.0289	0.8398
4	4.42	n-Propanol	156617	1.0000	0.8162

13-12-100 99 RLM 6/12/13 98 RLM

Chrom Perfect Chromatogram Report



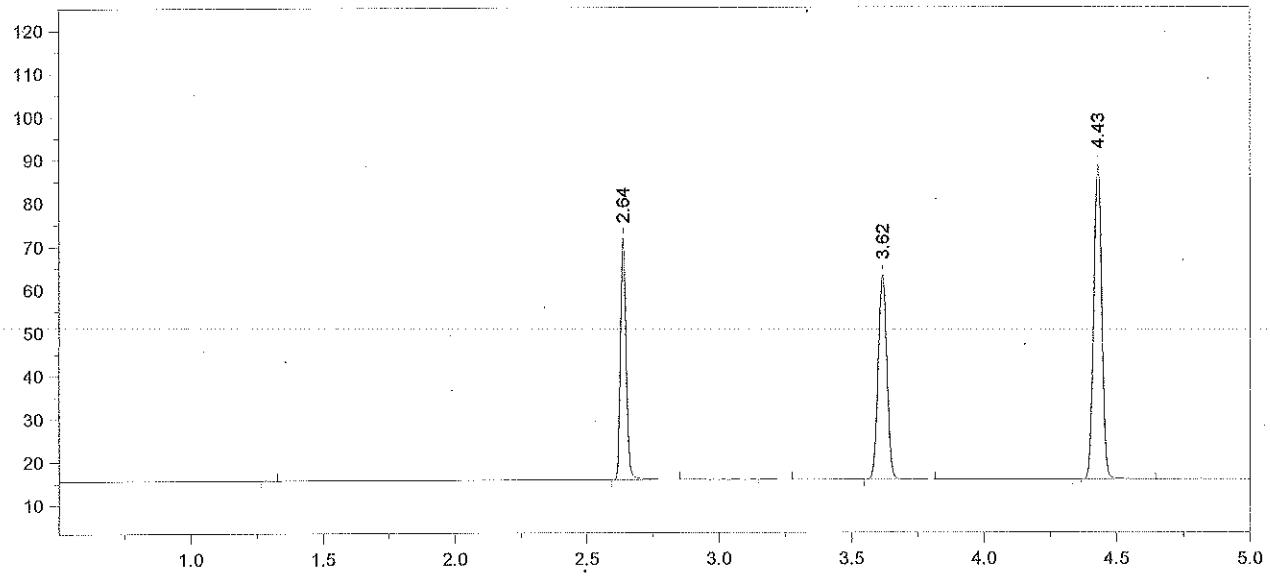
Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 9:10:36 PM
Bound File Name = VFL06042013.0039.RAW
Sample Name = 0.1 RLM
Date Taken = 6/4/2013 9:10:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	76824	0.1094	0.0893
4	3.62	t-Butanol	92345	0.9757	0.7964
5	4.43	n-Propanol	138317	1.0000	0.8162

13-12-100

100 ~~99~~ RLM 6/12/13 RLM

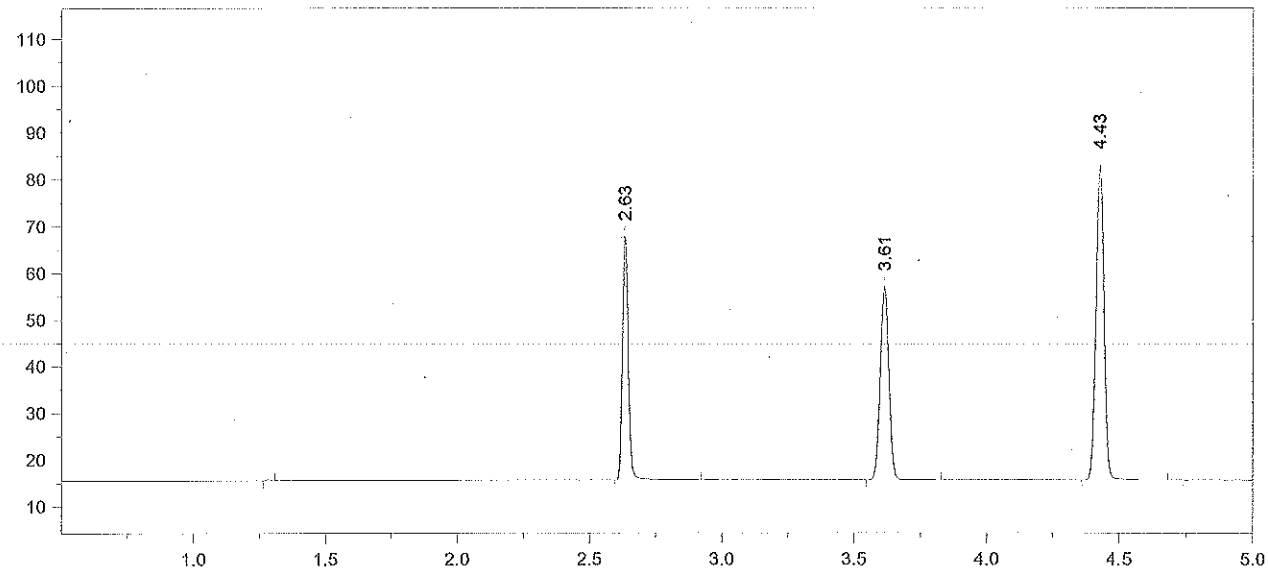


Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 9:28:47 PM
Bound File Name = VFL06042013.0040.RAW
Sample Name = 0.1 RLM
Date Taken = 6/4/2013 9:28:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	84162	0.1072	0.0875
4	3.62	t-Butanol	109213	1.0320	0.8423
5	4.43	n-Propanol	154670	1.0000	0.8162

13-12-100 101 ~~100~~ 6/12/13



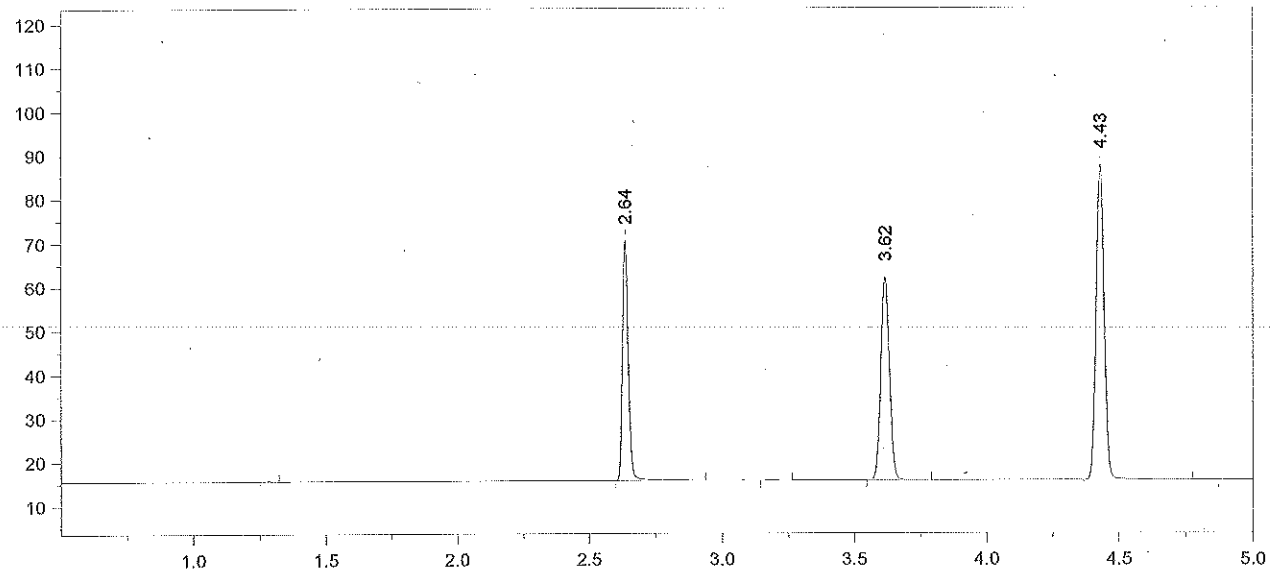
Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013 Today's Time = 9:42:31 PM
Bound File Name = VFL06042013.0041.RAW
Sample Name = 0.1 RLM
Date Taken = 6/4/2013 9:42:23 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	79326	0.1101	0.0899
3	3.61	t-Butanol	95435	0.9828	0.8021
4	4.43	n-Propanol	141921	1.0000	0.8162

13-12-100 102 ~~101~~ 8/12/13

Chrom Perfect Chromatogram Report

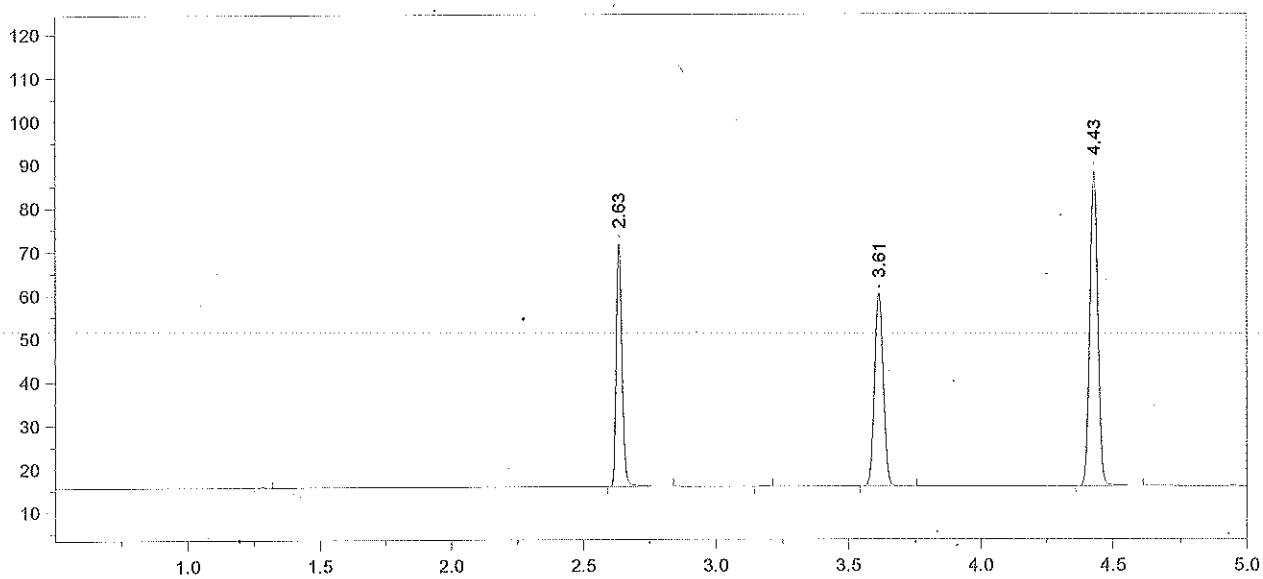


Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 9:58:30 PM
Bound File Name = VFL06042013.0042.RAW
Sample Name = 0.1 RLM
Date Taken = 6/4/2013 9:58:22 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	83173	0.1075	0.0878
4	3.62	t-Butanol	106416	1.0203	0.8327
5	4.43	n-Propanol	152437	1.0000	0.8162

13-12-100 ~~102~~ 103 RLM 6/12/13 RLM

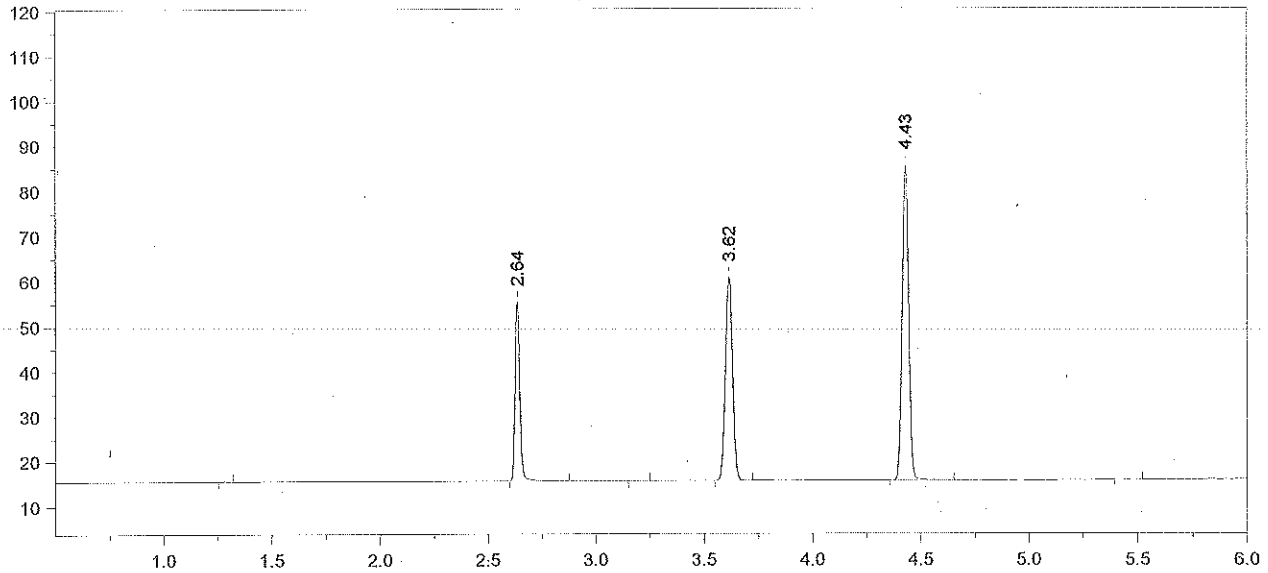


Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 10:13:55 PM
Bound File Name = VFL06042013.0043.RAW
Sample Name = 0.1 RLM
Date Taken = 6/4/2013 10:13:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	85381	0.1103	0.0900
4	3.61	t-Butanol	102513	0.9819	0.8014
5	4.43	n-Propanol	152586	1.0000	0.8162

13-12-100 ~~103~~ 104 RKM 6/12/13 RKM

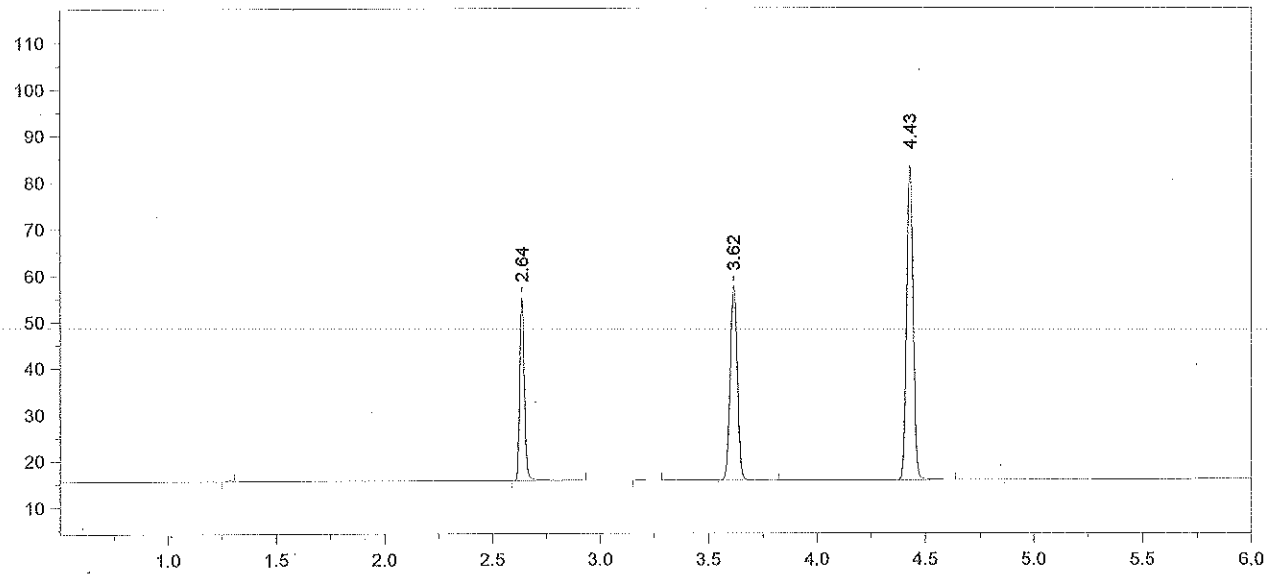


Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013
Today's Time = 10:30:01 PM
Bound File Name = VFL06042013.0044.RAW
Sample Name = CCS
Date Taken = 6/4/2013 10:29:54 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	60694	0.0810 *
4	3.62	t-Butanol	103770	1.0271
5	4.43	n-Propanol	147652	1.0000

13-12-100 105 ~~104~~ RZM 6/12/13 RZM



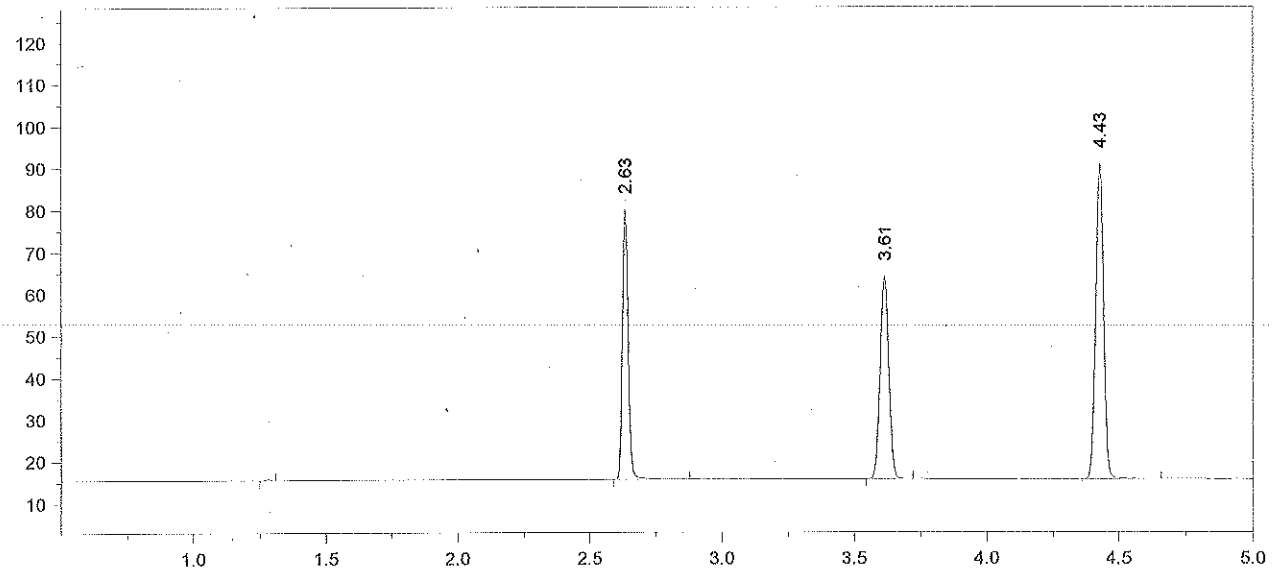
Format File Name = AlcoholVFL.FMT

Today's Date = 6/4/2013
Today's Time = 10:44:00 PM
Bound File Name = VFL06042013.0045.RAW
Sample Name = CCS
Date Taken = 6/4/2013 10:43:52 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	60302	0.0833 *
4	3.62	t-Butanol	95843	0.9817
5	4.43	n-Propanol	142682	1.0000

Avg #44 + #45 = 0.082
RZM 6/6/13

13-12-1042
106 RZM 6/12/13
~~105~~ RZM



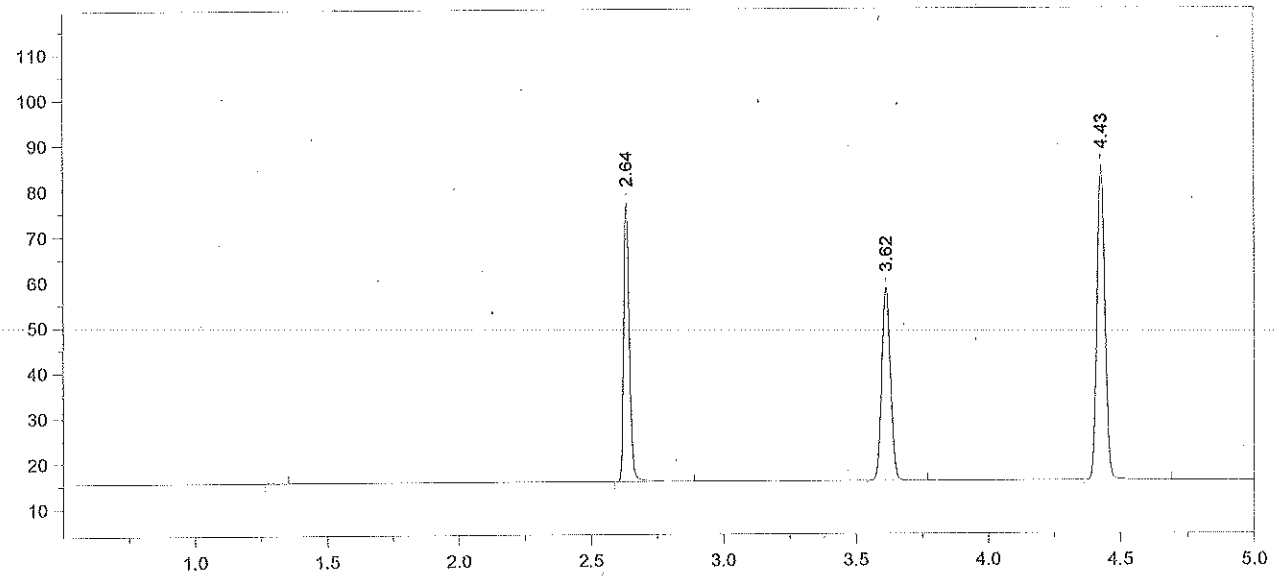
Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 10:59:42 PM
Bound File Name = VFL06042013.0046.RAW
Sample Name = 0.1 ALB
Date Taken = 6/4/2013 10:59:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	96782	0.1210	0.0988
3	3.61	t-Butanol	110975	1.0292	0.8400
4	4.43	n-Propanol	157586	1.0000	0.8162

13-17-100

107 RKM 6/12/13 RKM
~~106~~

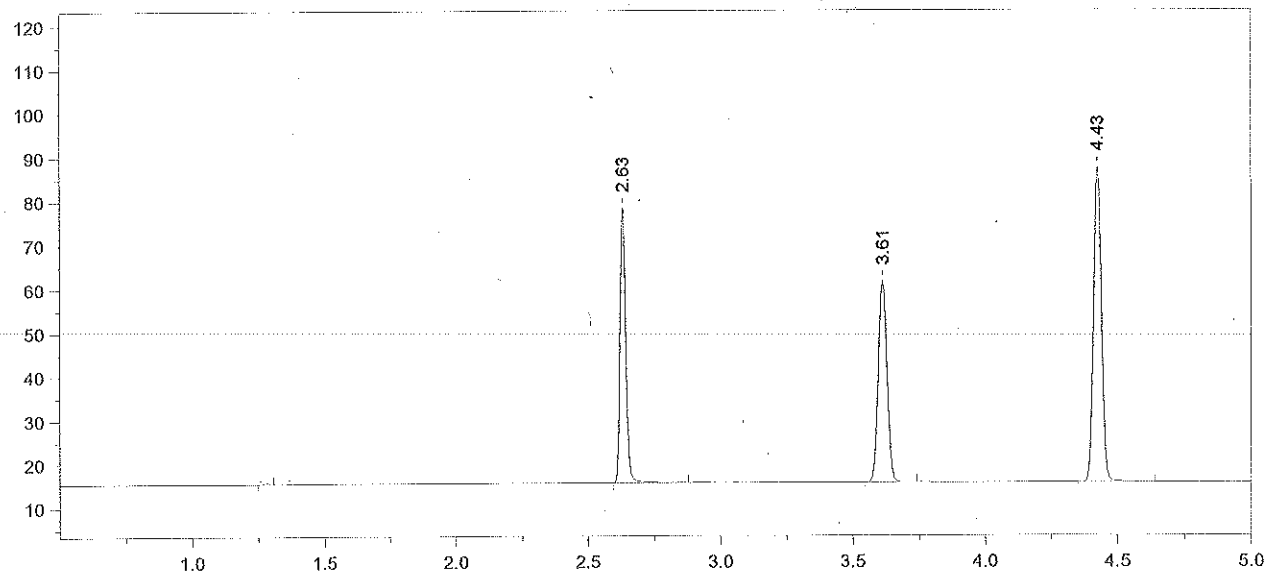


Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 11:15:37 PM
Bound File Name = VFL06042013.0047.RAW
Sample Name = 0.1 ALB
Date Taken = 6/4/2013 11:15:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	92803	0.1251	0.1021
3	3.62	t-Butanol	97738	0.9770	0.7974
4	4.43	n-Propanol	146210	1.0000	0.8162

13-12-100 108 RKM 6/12/13 ~~107~~ RKM

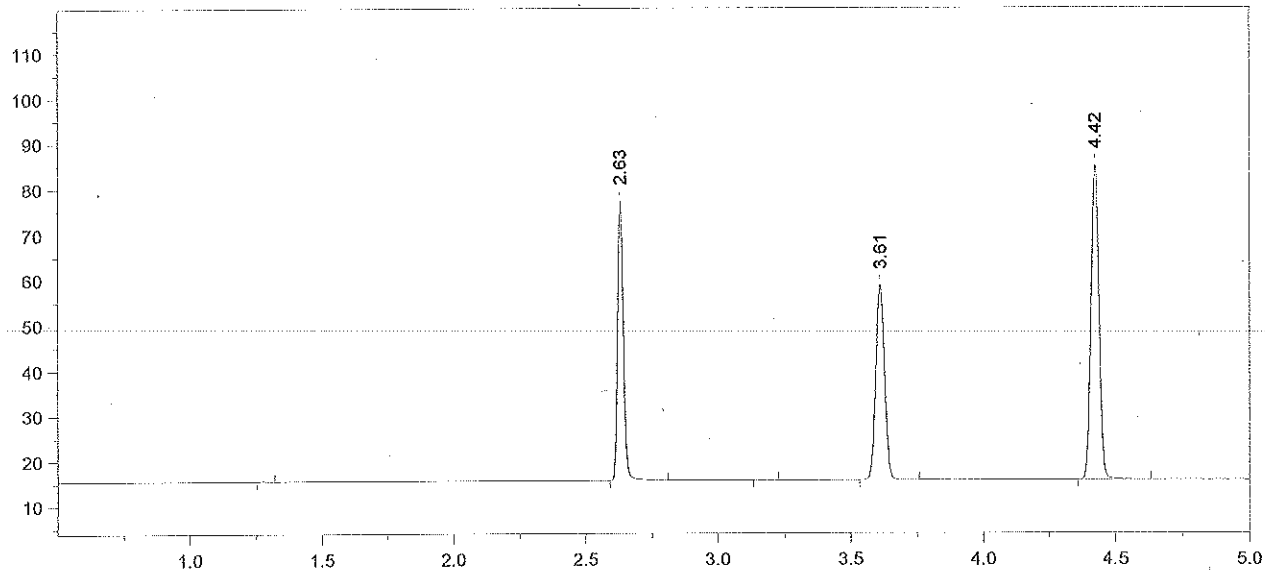


Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 11:29:34 PM
Bound File Name = VFL06042013.0048.RAW
Sample Name = 0.1 ALB
Date Taken = 6/4/2013 11:29:27 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	94403	0.1226	0.1000
3	3.61	t-Butanol	105906	1.0198	0.8323
4	4.43	n-Propanol	151779	1.0000	0.8162

13-12-100 109 ~~108~~ RLm 6/12/13 RLm



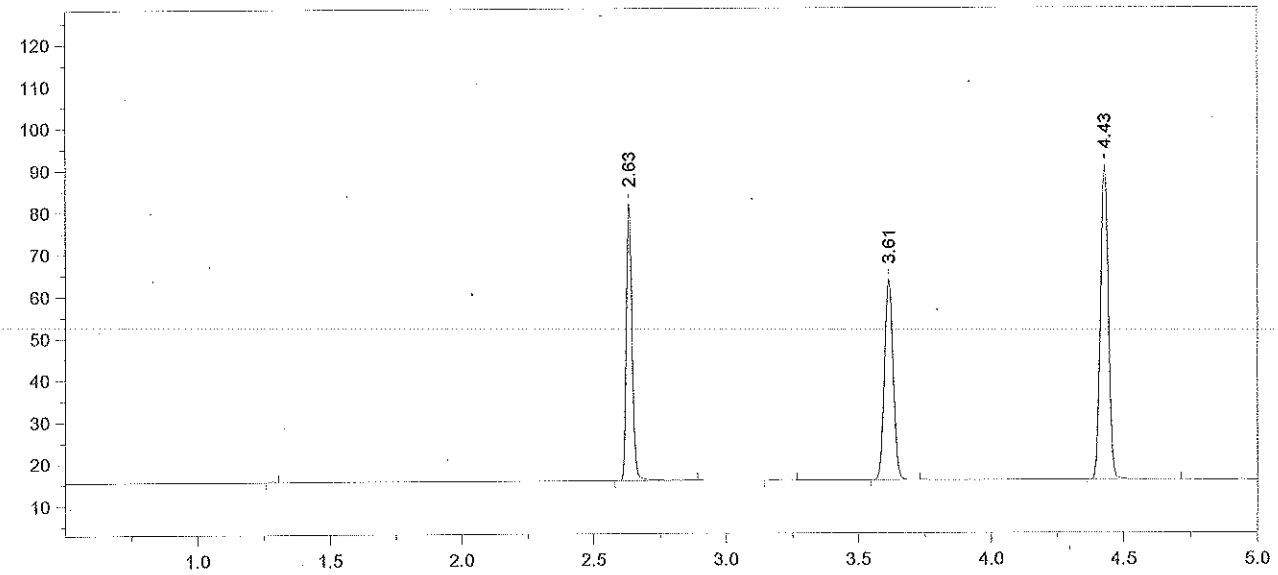
Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/4/2013
Today's Time = 11:45:50 PM
Bound File Name = VFL06042013.0049.RAW
Sample Name = 0.1 ALB
Date Taken = 6/4/2013 11:45:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	93012	0.1250	0.1020
4	3.61	t-Butanol	98858	0.9853	0.8042
5	4.42	n-Propanol	146629	1.0000	0.8162

13-12-100 110 ~~104~~ RAM 6/12/13 RAM

Chrom Perfect Chromatogram Report



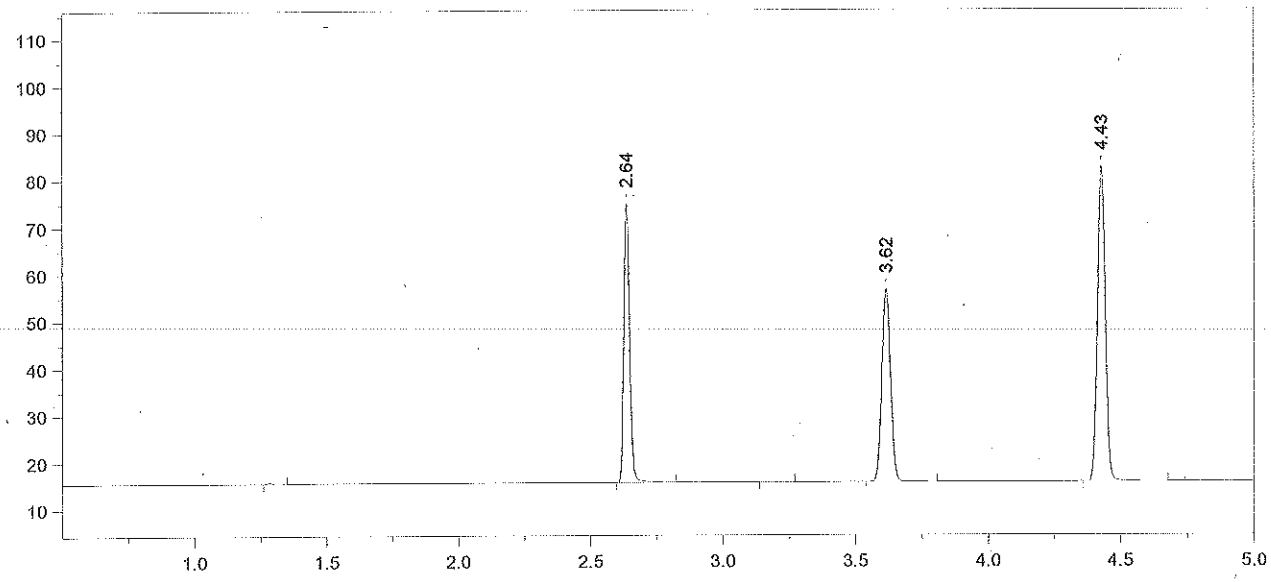
Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/5/2013
Today's Time = 12:00:13 AM
Bound File Name = VFL06042013.0050.RAW
Sample Name = 0.1 ALB
Date Taken = 6/5/2013 12:00:06 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	100139	0.1244	0.1016
4	3.61	t-Butanol	109576	1.0100	0.8243
5	4.43	n-Propanol	158561	1.0000	0.8162

13-12-100 ~~HO~~ III RKM 6/12/13 RKM

Chrom Perfect Chromatogram Report

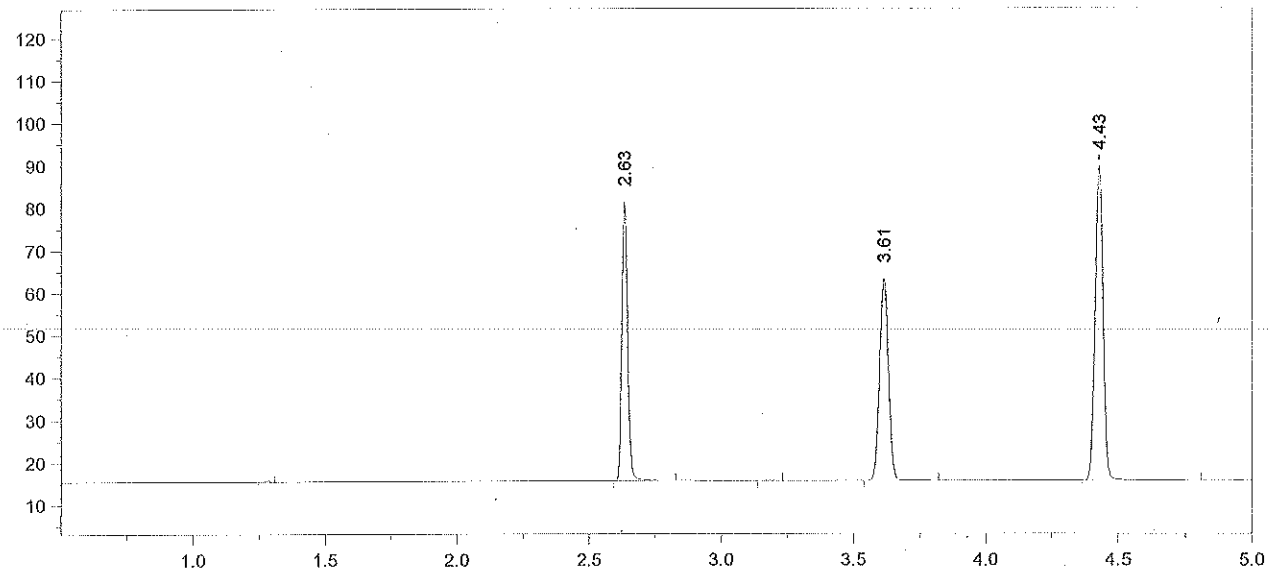


Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/5/2013
Today's Time = 12:15:31 AM
Bound File Name = VFL06042013.0051.RAW
Sample Name = 0.1 ALB
Date Taken = 6/5/2013 12:15:22 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.64	Ethanol	89695	0.1251	0.1021
4	3.62	t-Butanol	94501	0.9772	0.7976
5	4.43	n-Propanol	141336	1.0000	0.8162

13-12-100 112 RKM 6/12/13 RKM

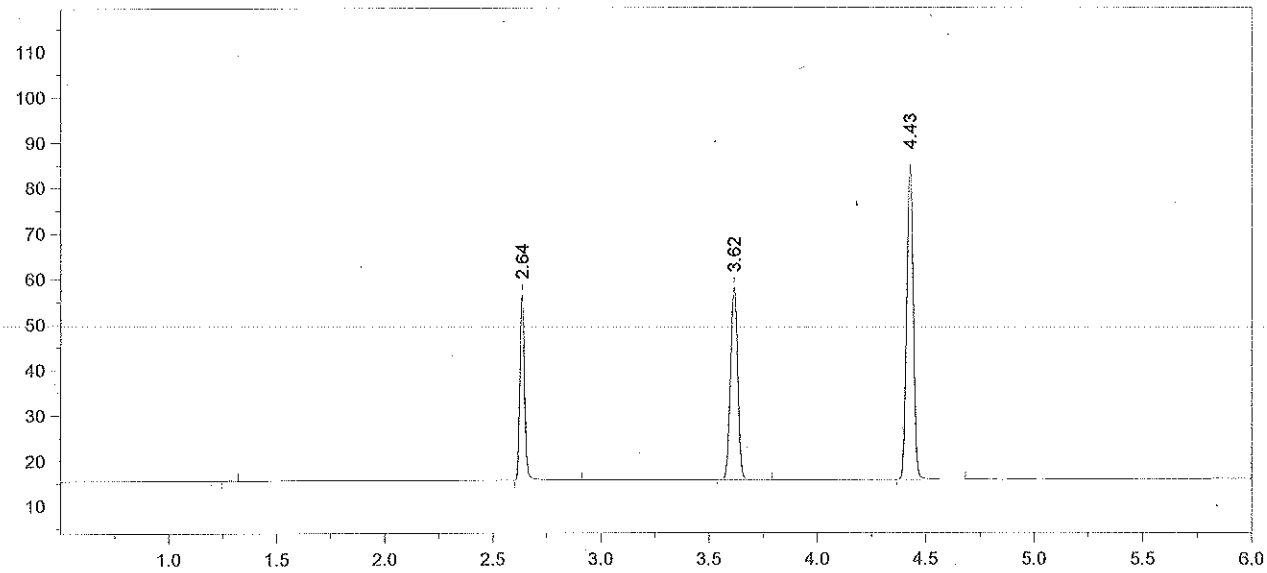


Format File Name = simsoln-JFH.met.FMT

Today's Date = 6/5/2013
Today's Time = 12:30:28 AM
Bound File Name = VFL06042013.0052.RAW
Sample Name = 0.1 ALB
Date Taken = 6/5/2013 12:30:20 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.63	Ethanol	98761	0.1236	0.1009
4	3.61	t-Butanol	109534	1.0164	0.8296
5	4.43	n-Propanol	157492	1.0000	0.8162

13-12-100 113 RLM 6/12/13 RLM

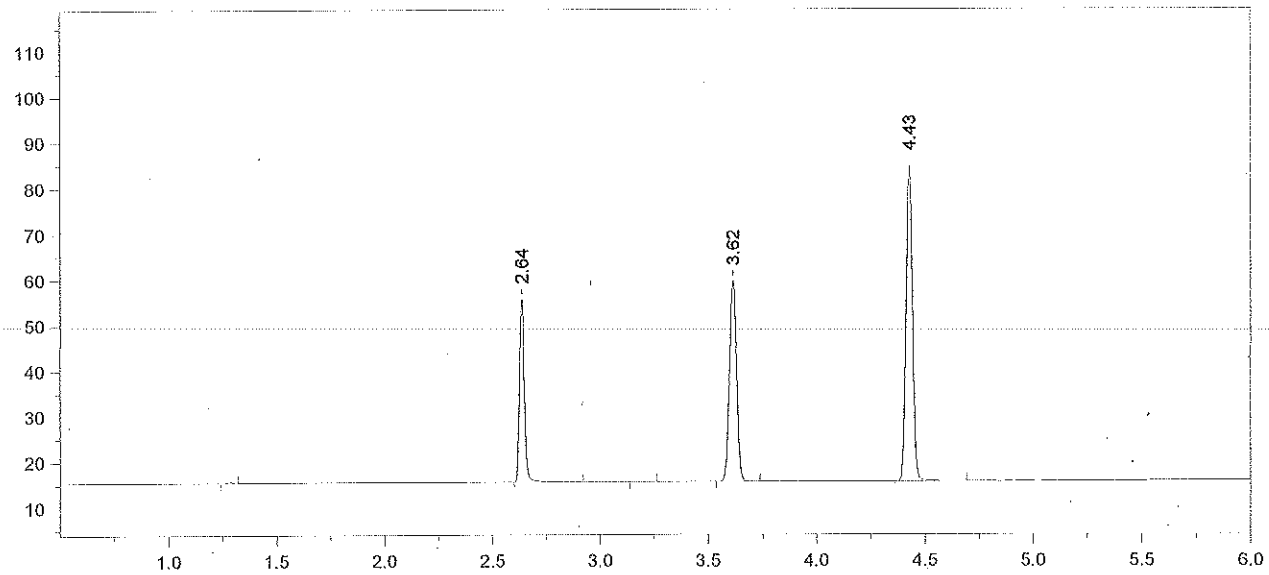


Format File Name = AlcoholVFL.FMT

Today's Date = 6/5/2013
Today's Time = 12:45:25 AM
Bound File Name = VFL06042013.0053.RAW
Sample Name = CCS
Date Taken = 6/5/2013 12:45:16 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	62416	0.0837 *
3	3.62	t-Butanol	97762	0.9729
4	4.43	n-Propanol	146863	1.0000

13-12-100 114 6/12/13



Format File Name = AlcoholVFL.FMT

Today's Date = 6/5/2013
Today's Time = 1:01:59 AM
Bound File Name = VFL06042013.0054.RAW
Sample Name = CCS
Date Taken = 6/5/2013 1:01:49 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06042013.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.64	Ethanol	61590	0.0837 *
4	3.62	t-Butanol	101745	1.0260
5	4.43	n-Propanol	144928	1.0000

Avg #53 + #54 = 0.084
RZM 6/6/13

13-12-100 115 RZM 6/12/13 ~~114~~ RZM