File Name = C:\Alcohol Data\VFL07062015\VFL07062015.SEQ
Version = 4
File Date = 7/7/2015 9:38:49 AM

Data not included, incorrect lot # Blank and timing mix used

AB 7/10/15

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL07062015.0001.raw	Blood Alc temp VFL.MET	BLANK LOT BL-06022015	1.00	1.00
2	VFL07062015.0002.raw	Blood Alc temp VFL.MET	TMX LOT TMX-06022015	1.00	1.00
3	VFL07062015.0003.raw	Blood Alc temp VFL.MET	STD A LOT FN 01181401	1.00	1.00
4	VFL07062015.0004.raw	Blood Alc temp VFL.MET	STD B LOT FN 08101401	1.00	1.00
5	VFL07062015.0005.raw	Blood Alc temp VFL.MET	STD C LOT FN 032114-02	1.00	1.00
6	VFL07062015.0006.raw	Blood Alc temp VFL.MET	STD D LOT FN 032712-01	1.00	1.00
7	VFL07062015.0007.raw	Blood Alc temp VFL.MET	STD E LOT FN 012712-01	1.00	1.00
8	VFL07062015.0008.raw	Blood Alc temp VFL.MET	AQ LOT FN 021111-01	1.00	1.00
9	VFL07062015.0009.raw	Blood Alc temp VFL.MET	AQ 7/7/15	1.00	1.00
10	VFL07062015.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	VFL07062015.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	VFL07062015.0012.raw	simsoln.met	.02 DJP	1.00	1.00
13	VFL07062015.0013.raw	simsoln.met	.02 DJP	1.00	1.00
14	VFL07062015.0014.raw	simsoln.met	.02 DJP	1.00	1.00
15	VFL07062015.0015.raw	simsoln.met	.02 DJP	1.00	1.00
16	VFL07062015.0016.raw	simsoln.met	.02 DJP	1.00	1.00
17	VFL07062015.0017.raw	simsoln.met	.02 DJP	1.00	1.00
18	VFL07062015.0018.raw	simsoln.met	.02 DJP	1.00	1.00
19	VFL07062015.0019.raw	simsoln.met	.02 ALB	1.00	1.00
20	VFL07062015.0020.raw	simsoln.met	.02 ALB	1.00	1.00
21	VFL07062015.0021.raw	simsoln.met	.02 ALB	1.00	1.00
22	VFL07062015.0022.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
23	VFL07062015.0023.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
24	VFL07062015.0024.raw	simsoln.met	.02 ALB	1.00	1.00
25	VFL07062015.0025.raw	simsoln.met	.02 ALB	1.00	1.00
26	VFL07062015.0026.raw	simsoln.met	.02 ALB	1.00	1.00
27	VFL07062015.0027.raw	simsoln.met	.02 ALB	1.00	1.00
28	VFL07062015.0028.raw	simsoln.met	.40 DJP	1.00	1.00
29	VFL07062015.0029.raw	simsoln.met	.40 DJP	1.00	1.00
30	VFL07062015.0030.raw	simsoln.met	.40 DJP	1.00	1.00
31	VFL07062015.0031.raw	simsoln.met	.40 DJP	1.00	1.00
32	VFL07062015.0032.raw	simsoln.met	.40 DJP	1.00	1.00
33	VFL07062015.0033.raw	simsoln.met	.40 DJP	1.00	1.00
34	VFL07062015.0034.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
35	VFL07062015.0035.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
36	VFL07062015.0036.raw	simsoln.met	.40 DJP	1.00	1.00
37	VFL07062015.0037.raw	simsoln.met	.40 ALB	1.00	1.00
38	VFL07062015.0038.raw	simsoln.met	.40 ALB	1.00	1.00
39	VFL07062015.0039.raw	simsoln.met	.40 ALB	1.00	1.00
40	VFL07062015.0040.raw	simsoln.met	.40 ALB	1.00	1.00
41	VFL07062015.0041.raw	simsoln.met	.40 ALB	1.00	1.00
42	VFL07062015.0042.raw	simsoln.met	.40 ALB	1.00	1.00
43	VFL07062015.0043.raw	simsoln.met	.40 ALB	1.00	1.00
44	VFL07062015.0044.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
45	VFL07062015.0045.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
46	VFL07062015.0046.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
47	VFL07062015.0047.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
48	VFL07062015.0048.raw	simsoln.met	0.10 RM	1.00	1.00
49	VFL07062015.0049.raw	simsoln.met	0.10 RM	1.00	1.00
50	VFL07062015.0050.raw	simsoln.met	0.10 RM	1.00	1.00
51	VFL07062015.0051.raw	simsoln.met	0.10 RM	1.00	1.00
52	VFL07062015.0052.raw	simsoln.met	0.10 RM	1.00	1.00
53	VFL07062015.0053.raw	simsoln.met	0.10 RM	1.00	1.00
54	VFL07062015.0054.raw	simsoln.met	0.10 RM	1.00	1.00
55	VFL07062015.0055.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
56	VFL07062015.0056.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
57	VFL07062015.0057.raw	simsoln.met	0.10 DP	1.00	1.00
58	VFL07062015.0058.raw	simsoln.met	0.10 DP	1.00	1.00
59	VFL07062015.0059.raw	simsoln.met	0.10 DP	1.00	1.00
60	VFL07062015.0060.raw	simsoln.met	0.10 DP	1.00	1.00
61	VFL07062015.0061.raw	simsoln.met	0.10 DP	1.00	1.00
62	VFL07062015.0062.raw	simsoln.met	0.10 DP	1.00	1.00

SEPARATE LOT OF SIMSOLN NOT INCLUDED 7/8/15

RUN WITHIN 24H OF ORIGINAL OBSERVATIONS 7/8/15

15-09-100

90 46 AB 7/10/15

AB DG

Chrom Perfect Sequence File

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	VFL07062015.0063.raw	simsoln.met	0.10 DP	1.00	1.00
64	VFL07062015.0064.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
65	VFL07062015.0065.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

RUN WITHIN 24H OF ORIGINAL CALIBRATION
DR 7/8/15

15-09-100

91

~~47~~ AB

AB

File Name: C:\Methods\VFL07062015.CAL
Version: 7

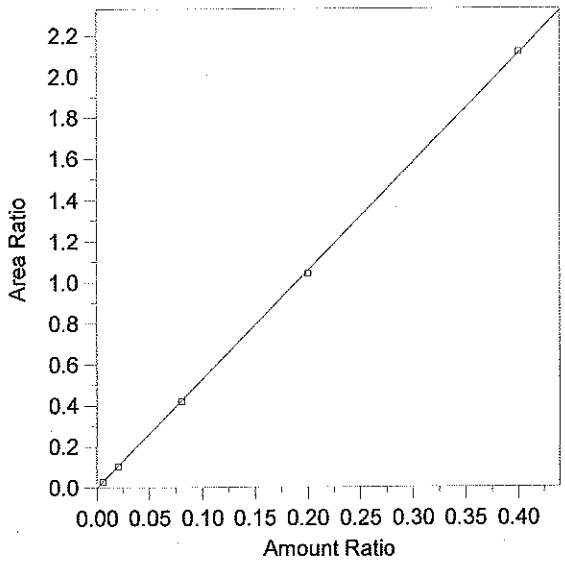
Creator:
Description:
Reason for change:

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: 2.654 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

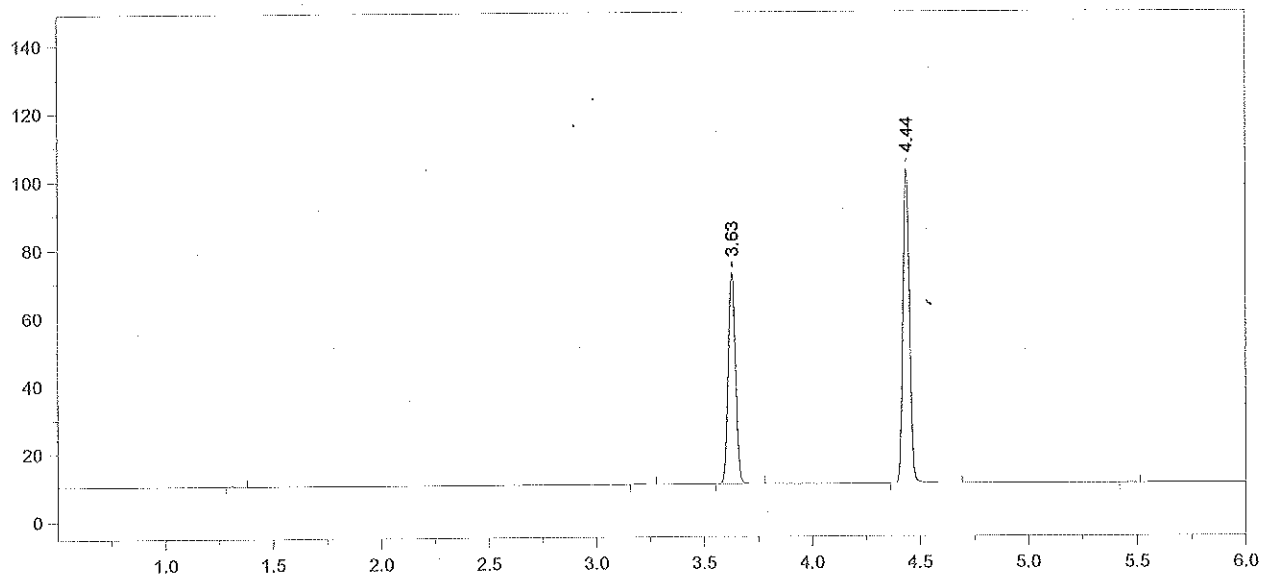
Single peak quantification by area

$Y = 5.272377 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998957
Average error: 1.279%
Average CF: 5.213304
RSD: 1.369%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.0836)	(85146)	--	--	0.0836	85146	Manual	8/13/2014 9:33:12 AM
2	0.005	4577.314	915462.8	-0.369	0.005	2.626454E-02	C:\Alcohol Data\VFL07062015\VFL07062015.0003.BND	7/6/2015 11:31:52 AM
3	0.02	19760.17	988008.5	-3.214	0.02	0.1020583	C:\Alcohol Data\VFL07062015\VFL07062015.0004.BND	7/6/2015 11:45:04 AM
4	0.08	76909.98	961374.8	-1.028	0.08	0.4174531	C:\Alcohol Data\VFL07062015\VFL07062015.0005.BND	7/6/2015 12:01:33 PM
5	0.2	193129.7	965648.5	-1.386	0.2	1.039856	C:\Alcohol Data\VFL07062015\VFL07062015.0006.BND	7/6/2015 12:18:15 PM
6	0.4	399694.3	999235.8	0.396	0.4	2.117299	C:\Alcohol Data\VFL07062015\VFL07062015.0007.BND	7/6/2015 12:32:14 PM

15-09-100



Format File Name = AlcoholVFL.FMT

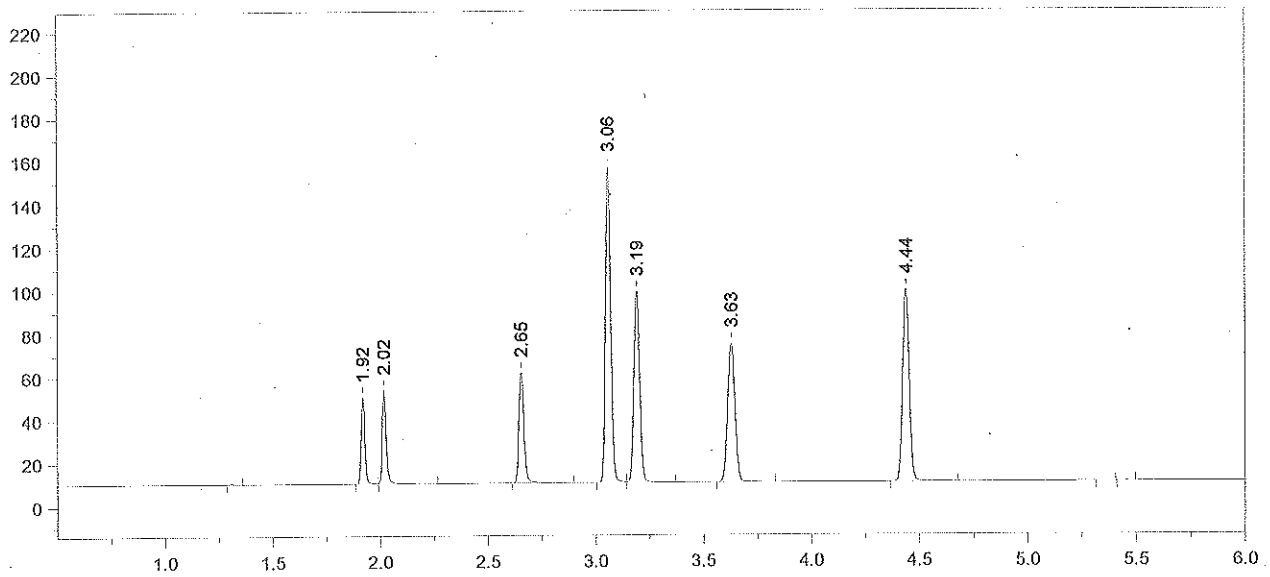
Today's Date = 7/7/2015
Today's Time = 9:34:04 AM
Bound File Name = VFL07062015.0001.RAW
Sample Name = BLANK
Date Taken = 7/6/2015 11:00:01 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.63	t-Butanol	144232	0.9533
4	4.44	n-Propanol	196681	1.0000

15-09-100

93

86

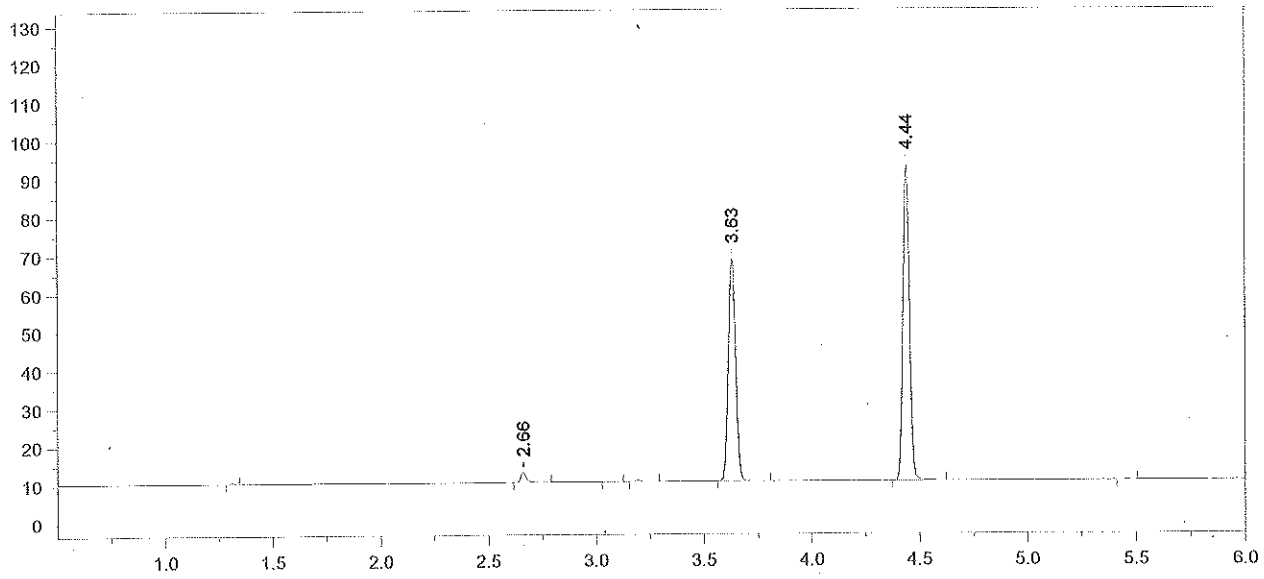


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 9:34:09 AM
Bound File Name = VFL07062015.0002.RAW
Sample Name = TMX
Date Taken = 7/6/2015 11:15:12 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	47546	0.0695
3	2.02	Methanol	55100	0.1232
4	2.65	Ethanol	80788	0.0804
5	3.06	Acetone	250985	0.0657
6	3.19	Isopropanol	167407	0.0848
7	3.63	t-Butanol	149163	1.0176
8	4.44	n-Propanol	190553	1.0000

15-09-100
94



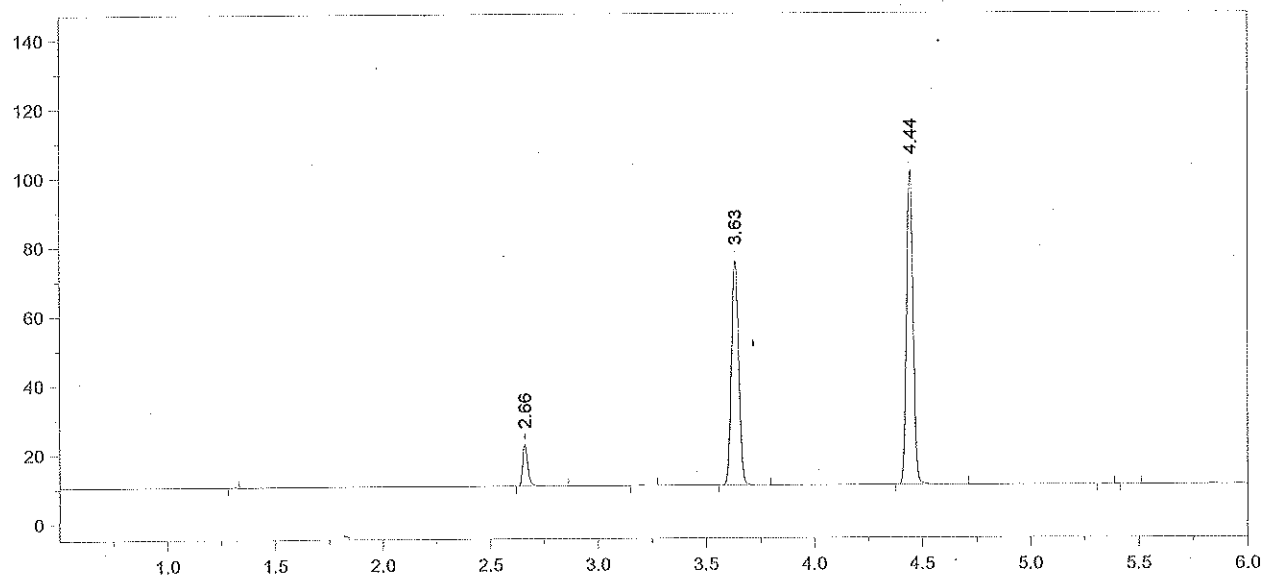
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 9:34:15 AM
Bound File Name = VFL07062015.0003.RAW
Sample Name = STD A
Date Taken = 7/6/2015 11:31:46 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	04577	0.0050
5	3.63	t-Butanol	134977	1.0068
6	4.44	n-Propanol	174277	1.0000

15-09-100

7/10/15



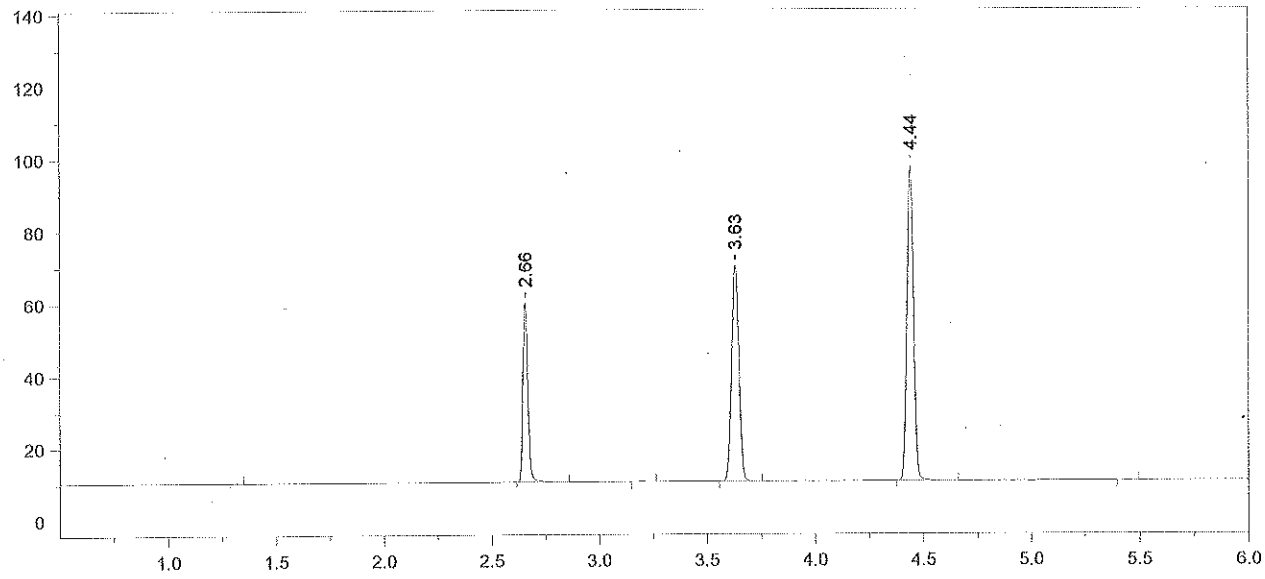
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 9:34:23 AM
Bound File Name = VFL07062015.0004.RAW
Sample Name = STD B
Date Taken = 7/6/2015 11:44:56 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	19760	0.0194
4	3.63	t-Butanol	150903	1.0131
5	4.44	n-Propanol	193616	1.0000

15-09-100

96

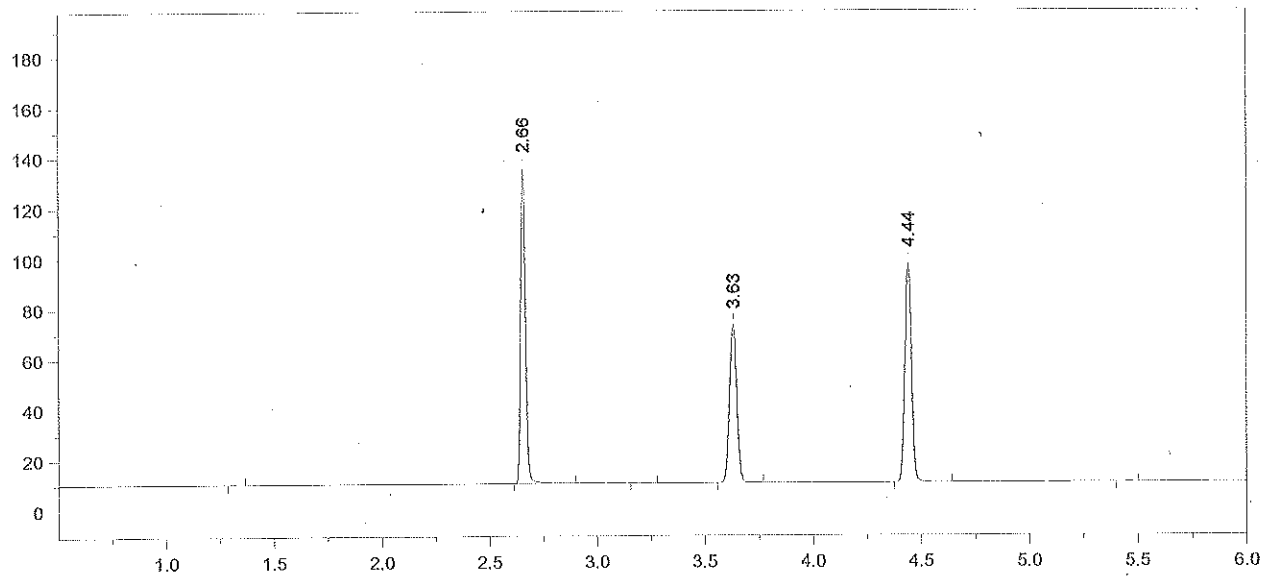


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 9:34:29 AM
Bound File Name = VFL07062015.0005.RAW
Sample Name = STD C
Date Taken = 7/6/2015 12:01:27 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76910	0.0792
4	3.63	t-Butanol	138569	0.9777
5	4.44	n-Propanol	184236	1.0000

15-09-100



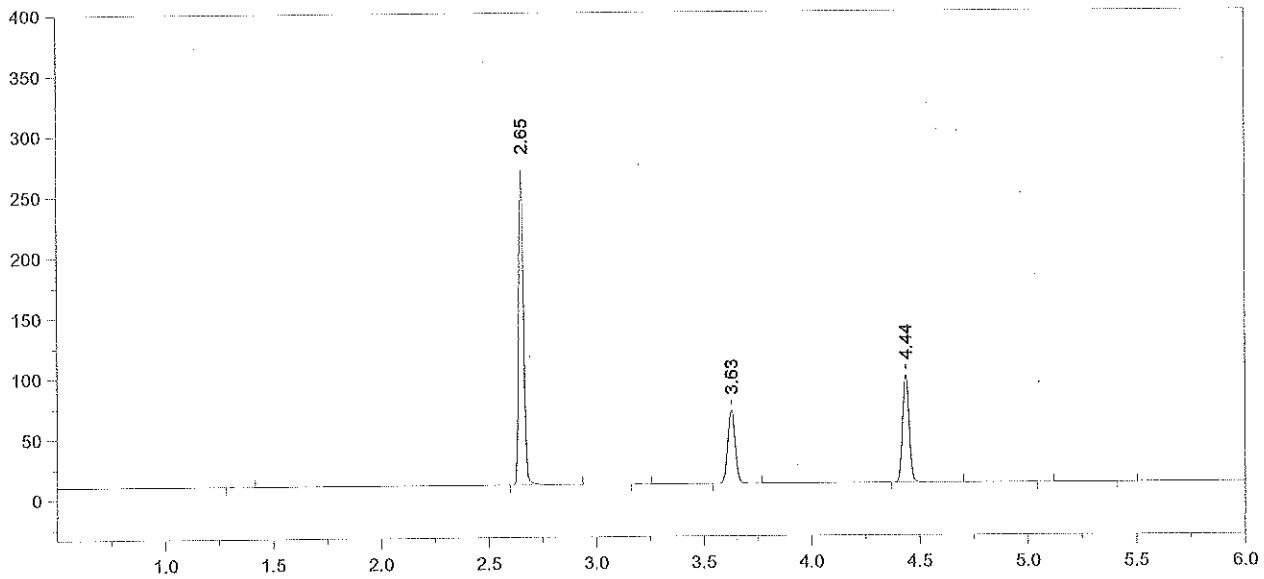
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 9:34:36 AM
Bound File Name = VFL07062015.0006.RAW
Sample Name = STD D
Date Taken = 7/6/2015 12:18:06 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	193130	0.1972
4	3.63	t-Butanol	145612	1.0192
5	4.44	n-Propanol	185727	1.0000

15-09-100
98
54
7/10/15
AB
80

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Bound File Name = VFL07062015.0007.RAW
Sample Name = STD E
Date Taken = 7/6/2015 12:32:04 PM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL

Today's Time = 9:34:41 AM

VFL Headspace Alcohol

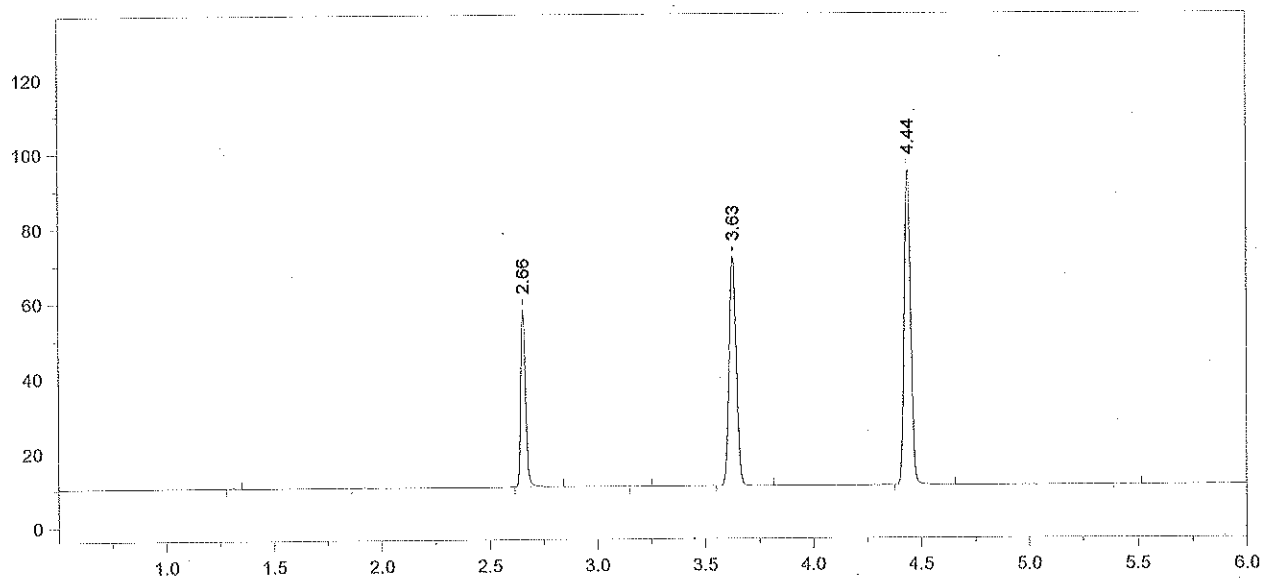
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	399694	0.4016
4	3.63	t-Butanol	140232	0.9656
5	4.44	n-Propanol	188776	1.0000

15-09-100

99 ~~55~~ AB 7/10/15

AB



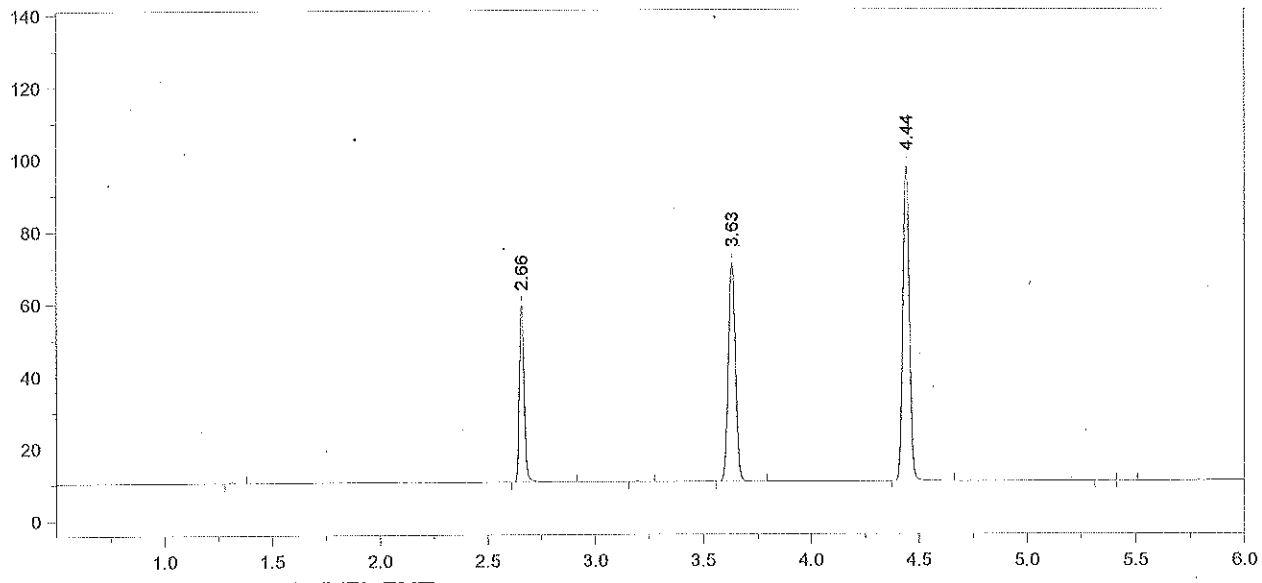
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 12:49:37 PM
Bound File Name = VFL07062015.0008.RAW
Sample Name = AQ
Date Taken = 7/6/2015 12:49:33 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	73640	0.0779
4	3.63	t-Butanol	142342	1.0323
5	4.44	n-Propanol	179245	1.0000

15-09-100

100 AB
56 7/10/15
AB



Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 1:03:37 PM
Bound File Name = VFL07062015.0009.RAW
Sample Name = AQ
Date Taken = 7/6/2015 1:03:33 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76887	0.0787
4	3.63	t-Butanol	139799	0.9805
5	4.44	n-Propanol	185338	1.0000

AQ MEAN = 0.0783 % ETOH

±5%: 0.0744 - 0.0822

Recovery: $\frac{0.078}{0.08}$ = 97.5%.

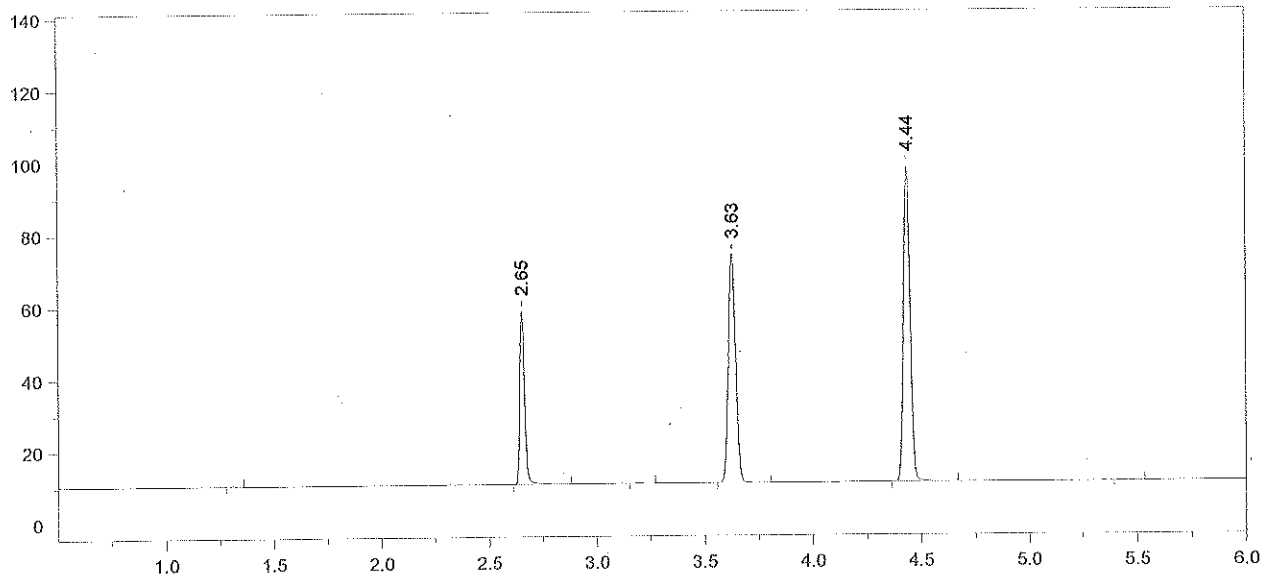
7/8/15

15-09-100

101

AB 7/10/15

AB



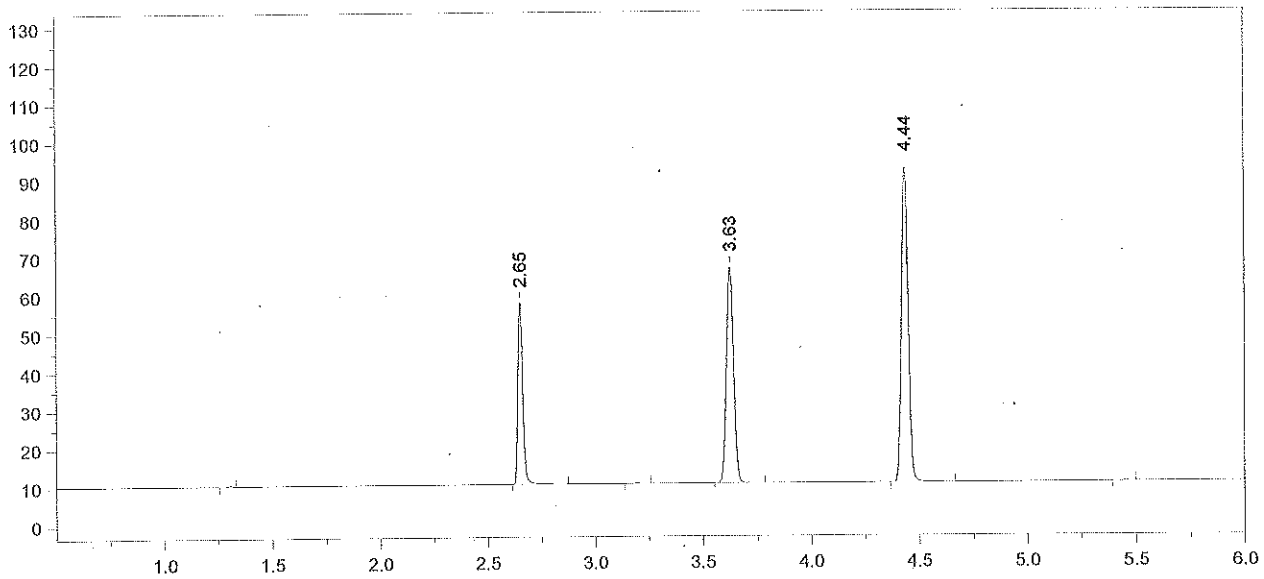
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 1:21:02 PM
Bound File Name = VFL07062015.0010.RAW
Sample Name = CCS
Date Taken = 7/6/2015 1:20:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75092	0.0771
4	3.63	t-Butanol	146322	1.0295
5	4.44	n-Propanol	184756	1.0000

15-09-100

102 AB 7/10/15 38 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 1:35:17 PM
Bound File Name = VFL07062015.0011.RAW
Sample Name = CCS
Date Taken = 7/6/2015 1:35:13 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	74115	0.0802
4	3.63	t-Butanol	130457	0.9678
5	4.44	n-Propanol	175226	1.0000

CCS mean: 0.0786 % ethanol

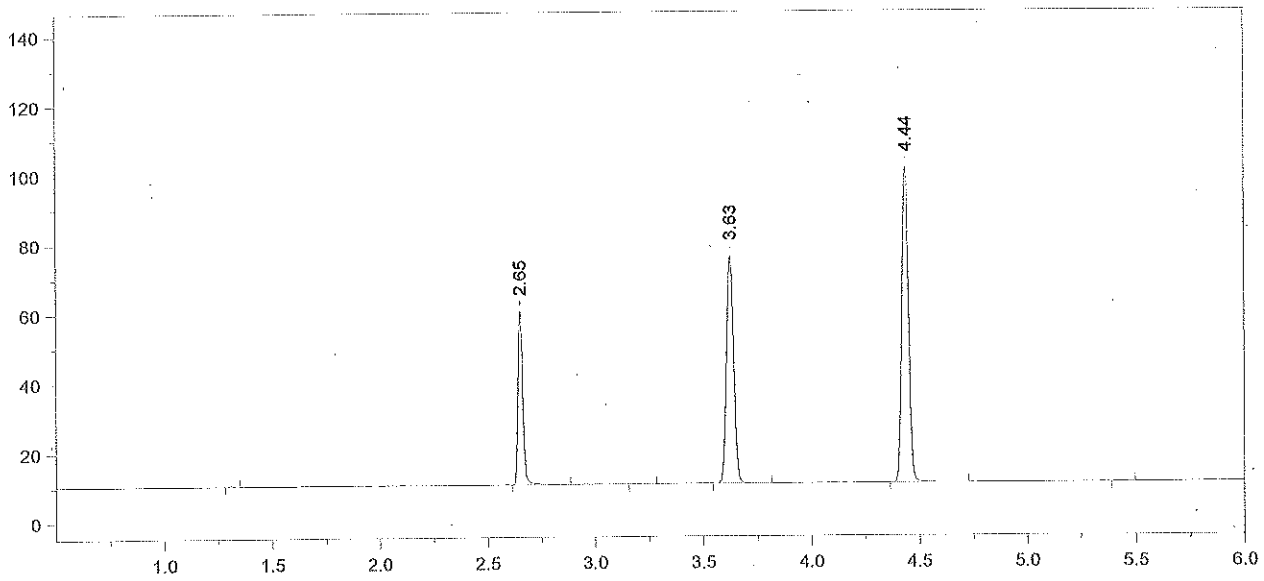
±5%: 0.0747 - 0.0825

Recovery: $\frac{0.078}{0.08} = 97.5\%$

7/8/15

15-09-100

103 AB 7/10/15



Format File Name = AlcoholVFL.FMT

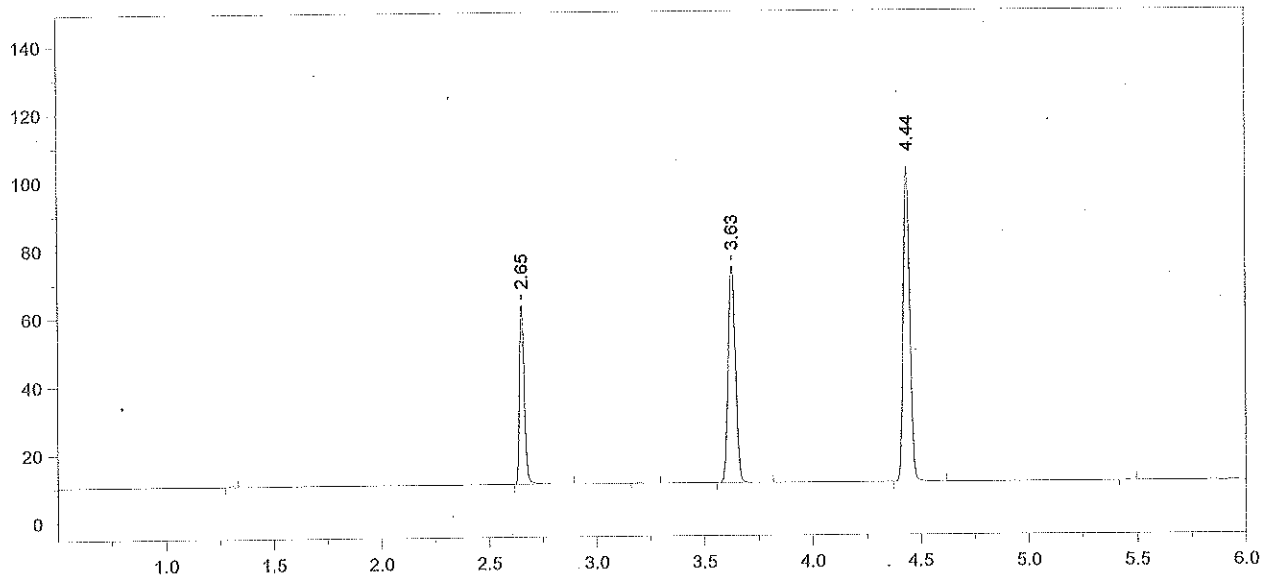
Today's Date = 7/6/2015
Today's Time = 4:27:55 PM
Bound File Name = VFL07062015.0022.RAW
Sample Name = CCS
Date Taken = 7/6/2015 4:27:51 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78212	0.0767
4	3.63	t-Butanol	151763	1.0204
5	4.44	n-Propanol	193334	1.0000

15-09-100

104

7/10/15



Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 4:43:15 PM
Bound File Name = VFL07062015.0023.RAW
Sample Name = CCS
Date Taken = 7/6/2015 4:43:09 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82308	0.0798
4	3.63	t-Butanol	148051	0.9837
5	4.44	n-Propanol	195652	1.0000

CCS new : 0.0782 % ethanol

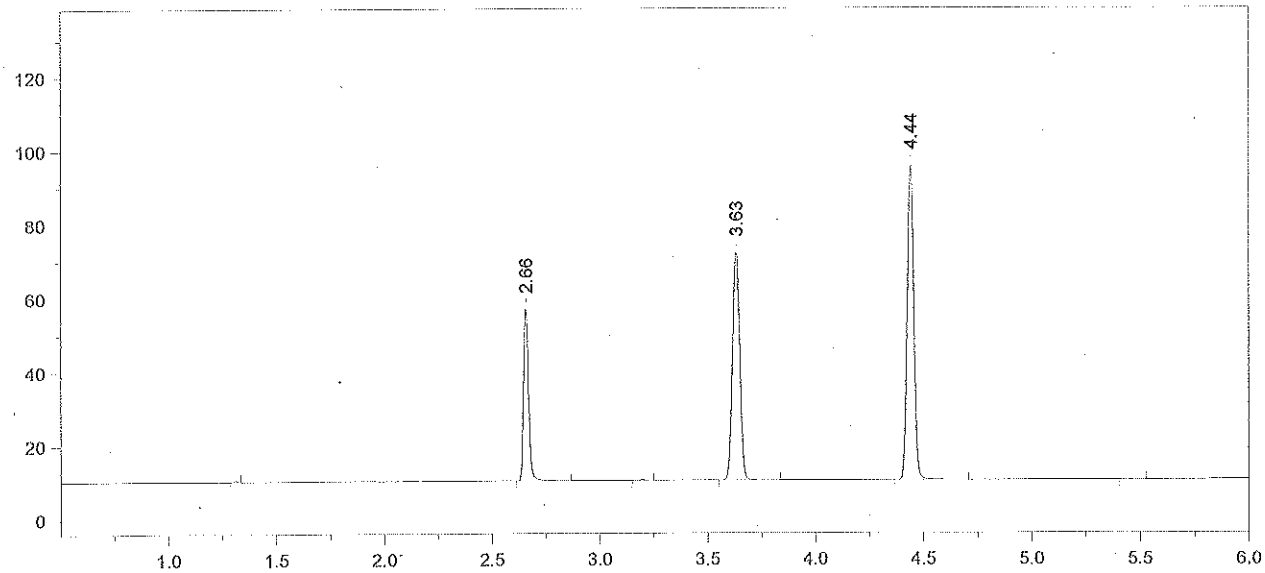
±5% : 0.0743 - 0.0821

Results : $\frac{0.078}{0.08} = 97.5\%$

7/8/15

15-109-100

105 7/10/15

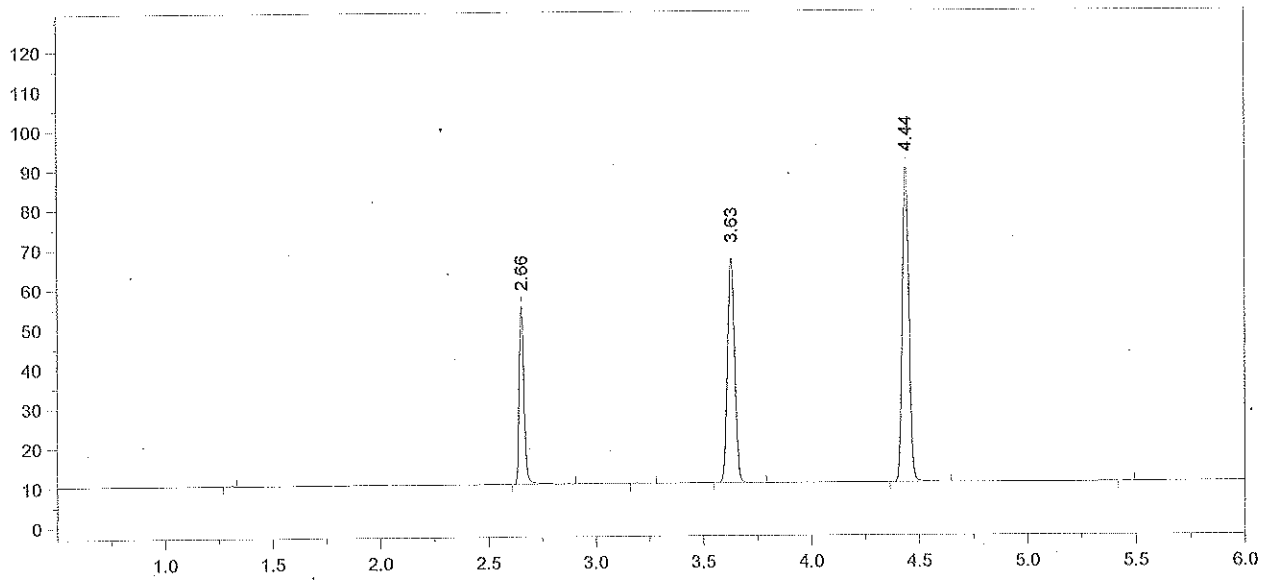


Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 7:36:32 PM
Bound File Name = VFL07062015.0034.RAW
Sample Name = CCS
Date Taken = 7/6/2015 7:36:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	72827	0.0764
4	3.63	t-Butanol	144274	1.0378
5	4.44	n-Propanol	180715	1.0000

106 dB 7/10/15



Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 7:51:25 PM
Bound File Name = VFL07062015.0035.RAW
Sample Name = CCS
Date Taken = 7/6/2015 7:51:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	70812	0.0792
4	3.63	t-Butanol	130828	1.0034
5	4.44	n-Propanol	169498	1.0000

CCS mean : 0.0778

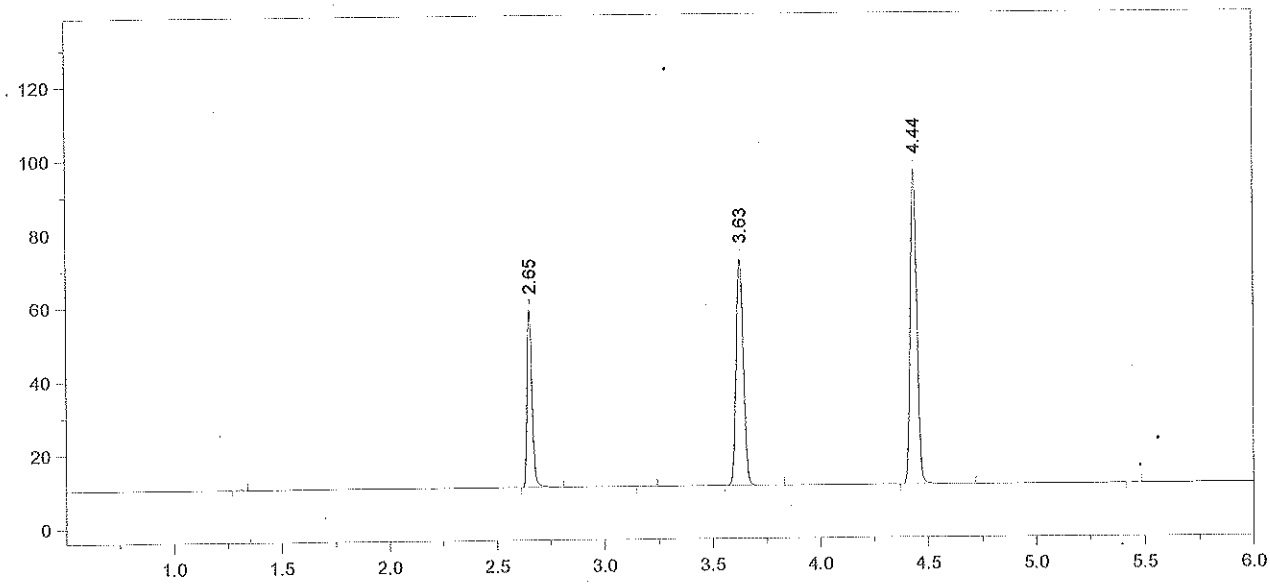
±5% : 0.0739 – 0.0817

Recovery: $\frac{0.078}{0.08}$ = 97.5%

AB 7/8/15

15-09-102

107 AB 7/10/15 AB



Format File Name = AlcoholVFL.FMT

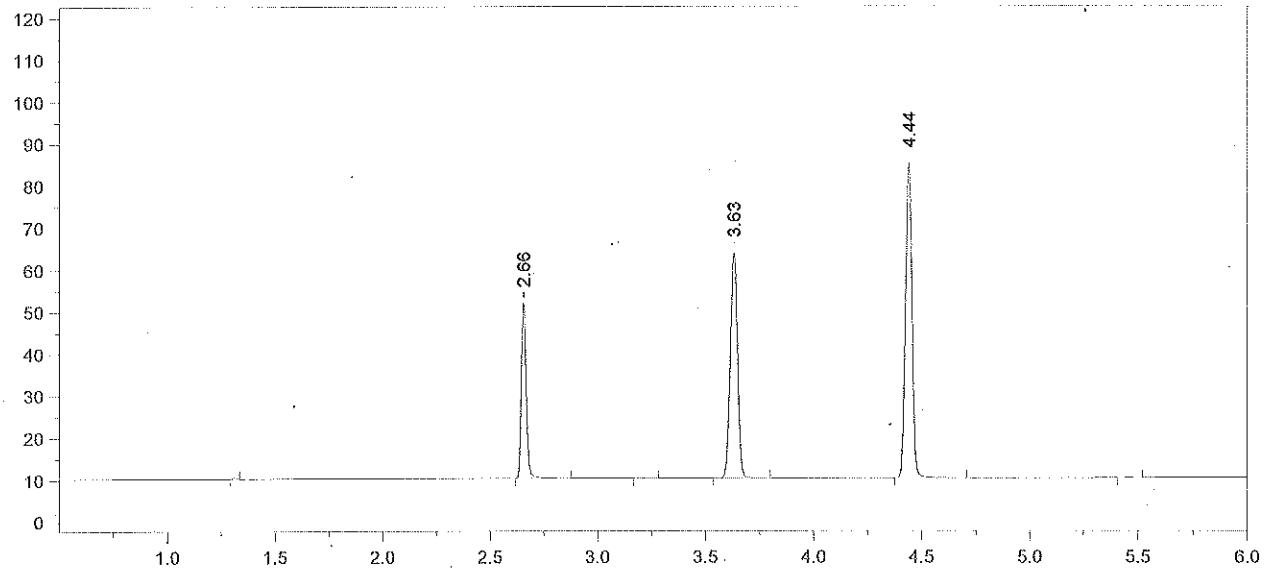
Today's Date = 7/6/2015
Today's Time = 10:11:58 PM
Bound File Name = VFL07062015.0044.RAW
Sample Name = CCS
Date Taken = 7/6/2015 10:11:48 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	74827	0.0779
4	3.63	t-Butanol	142756	1.0180
5	4.44	n-Propanol	182281	1.0000

09

108

7/10/15



Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 10:27:19 PM
Bound File Name = VFL07062015.0045.RAW
Sample Name = CCS
Date Taken = 7/6/2015 10:27:14 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	65323	0.0777
4	3.63	t-Butanol	124462	1.0145
5	4.44	n-Propanol	159481	1.0000

CCS MEAN : 0.0778 % ETHANOL

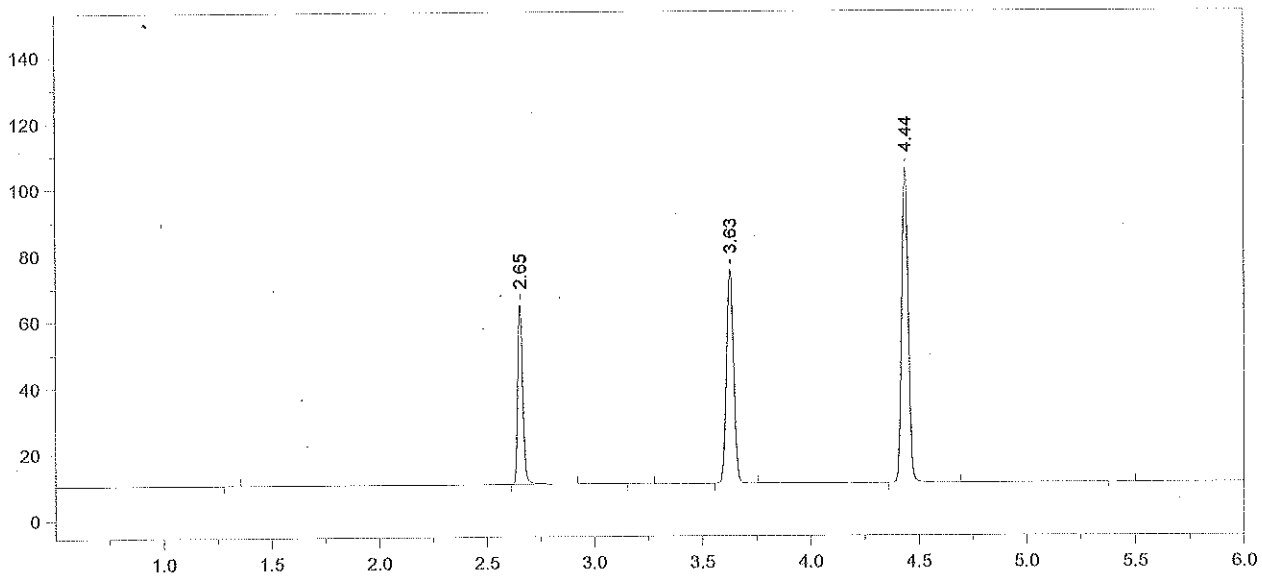
± 5 % . 0.0739 - 0.0817

RECOVERY : $\frac{0.078}{0.08}$ = 97.5 %.

7/8/15

109 AB 7/10/15

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Bound File Name = VFL07062015.0046.RAW
Sample Name = CCS
Date Taken = 7/7/2015 10:16:06 AM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL

Today's Time = 10:16:11 AM

VFL Headspace Alcohol

Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85346	0.0799
4	3.63	t-Butanol	149196	0.9570
5	4.44	n-Propanol	202650	1.0000

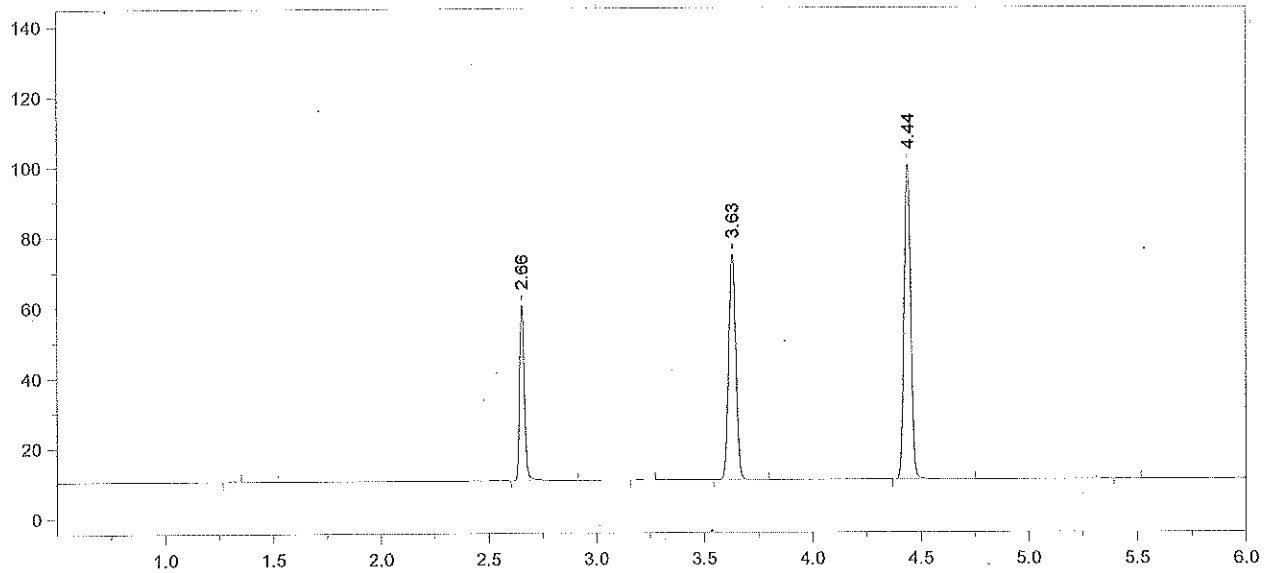
CCS MEAN: 0.0787 % ETHANOL

±5%: 0.0747 – 0.0826

7/8/15

RECOVERY: $\frac{0.079}{0.08}$ = 98.7%

110 7/10/15

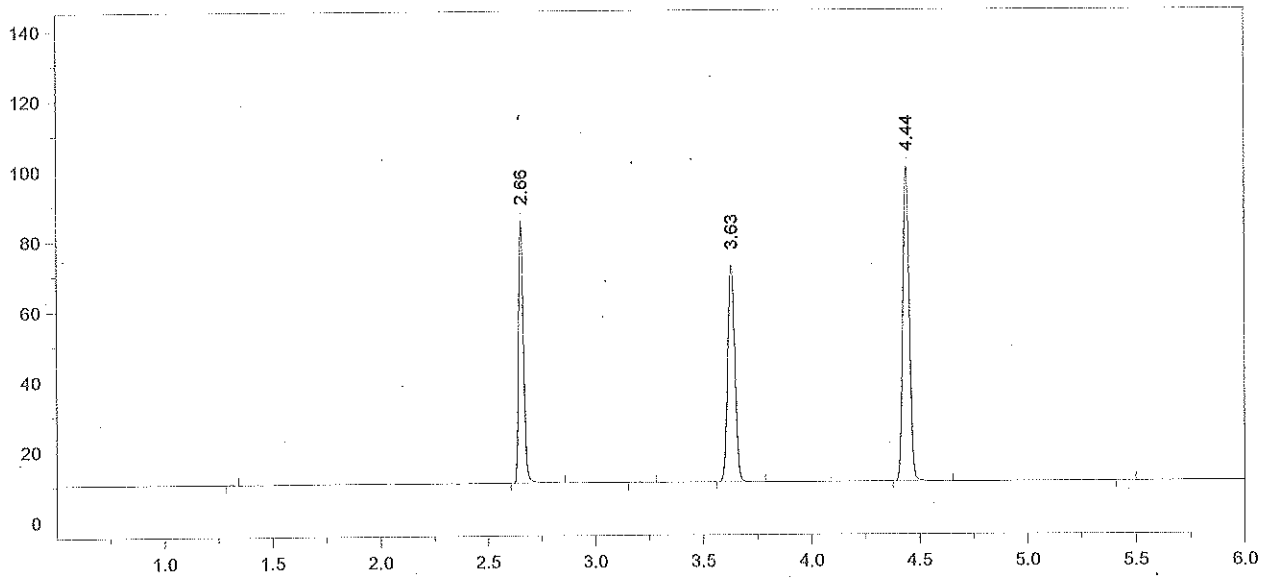


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 10:33:22 AM
Bound File Name = VFL07062015.0047.RAW
Sample Name = CCS
Date Taken = 7/7/2015 10:33:12 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	78226	0.0776
4	3.63	t-Butanol	148946	1.0126
5	4.44	n-Propanol	191201	1.0000

15-09-100 111 7/10/15 AB

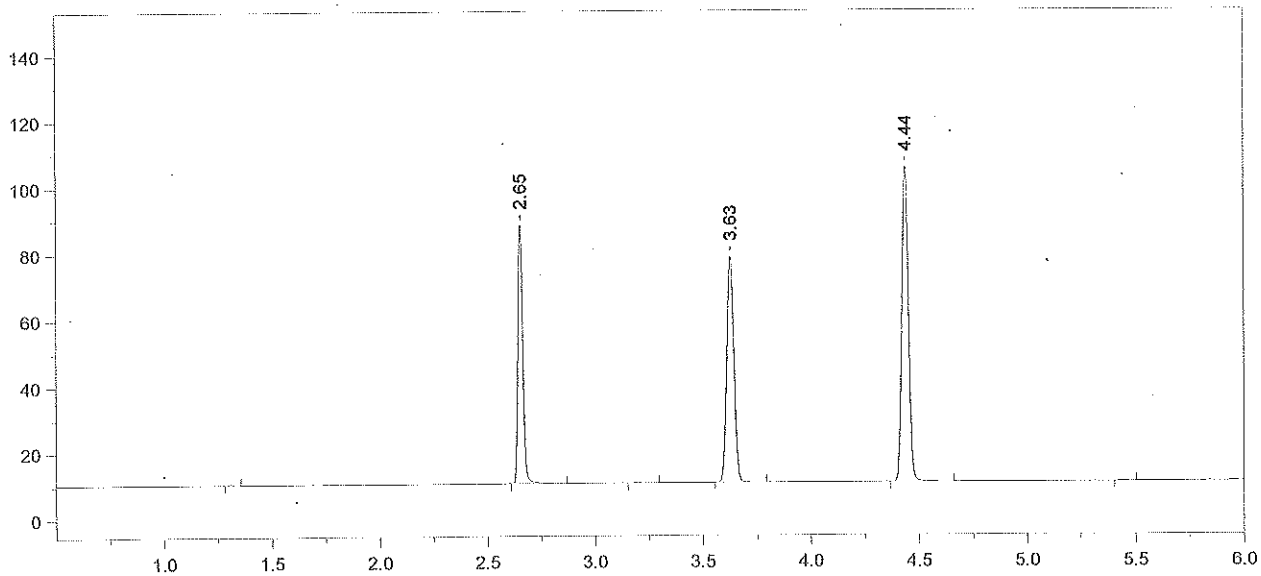


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 10:48:15 AM
Bound File Name = VFL07062015.0048.RAW
Sample Name = 0.10 RM
Date Taken = 7/7/2015 10:48:06 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	115436	0.1150	0.0939
4	3.63	t-Butanol	143632	0.9809	0.8006
5	4.44	n-Propanol	190349	1.0000	0.8162

1/2 DB 7/10/15

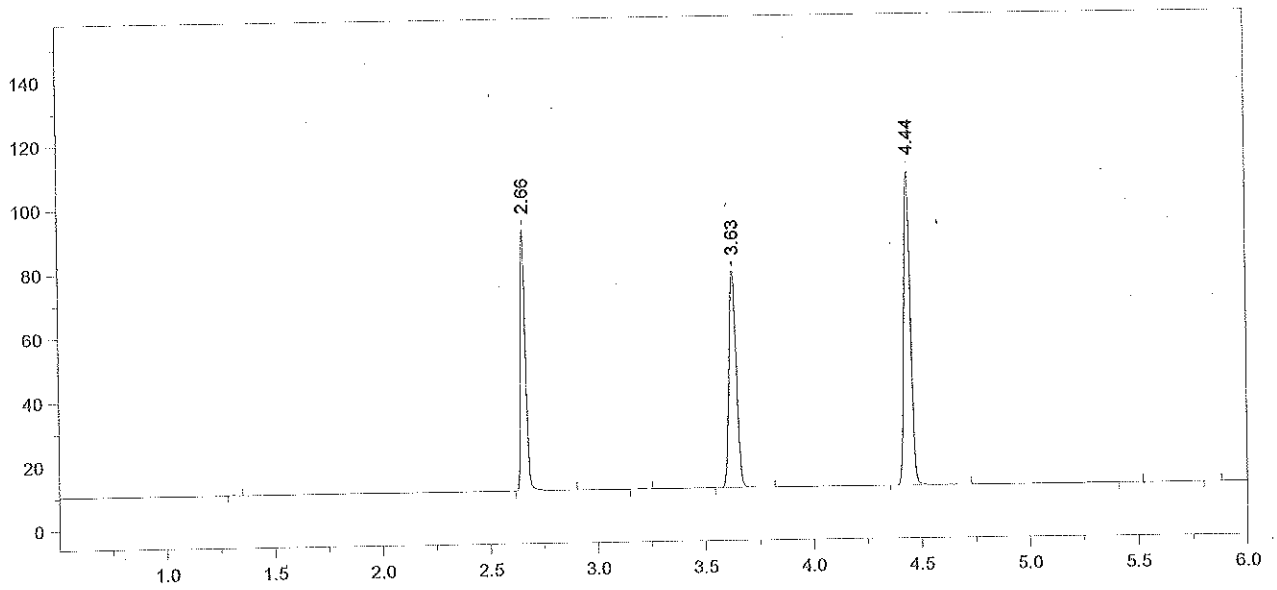


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 11:04:42 AM
Bound File Name = VFL07062015.0049.RAW
Sample Name = 0.10 RM
Date Taken = 7/7/2015 11:04:34 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	121576	0.1135	0.0926
4	3.63	t-Butanol	157744	1.0091	0.8236
5	4.44	n-Propanol	203201	1.0000	0.8162

113 7/10/15

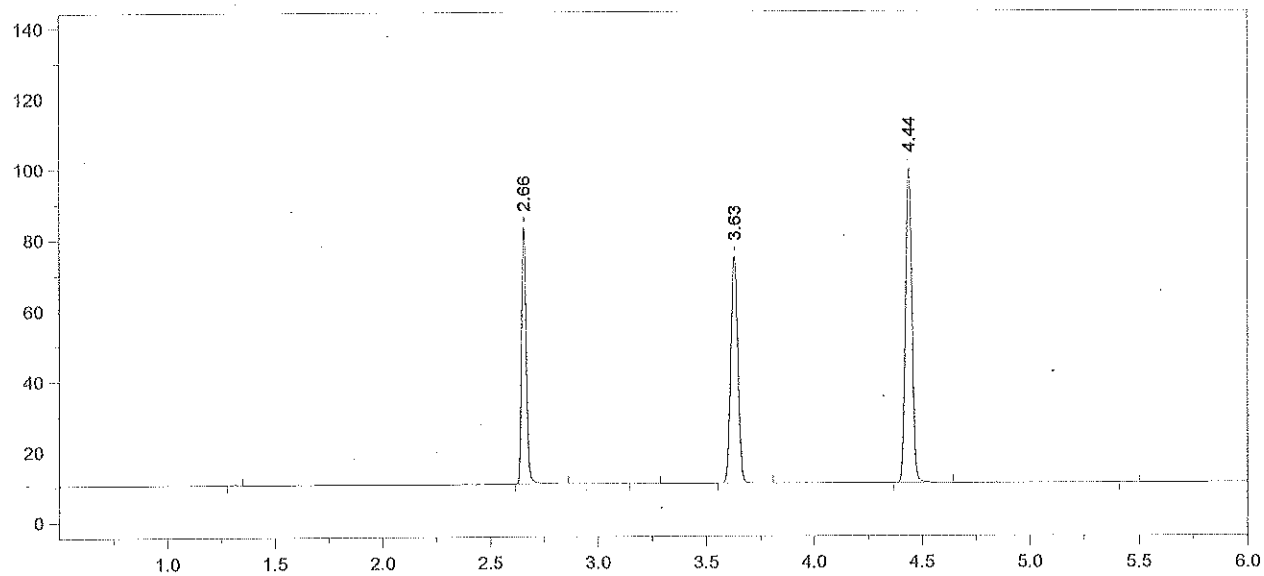


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 11:17:56 AM
Bound File Name = VFL07062015.0050.RAW
Sample Name = 0.10 RM
Date Taken = 7/7/2015 11:17:52 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125907	0.1141	0.0931
4	3.63	t-Butanol	157232	0.9765	0.7970
5	4.44	n-Propanol	209316	1.0000	0.8162

114 7/10/15



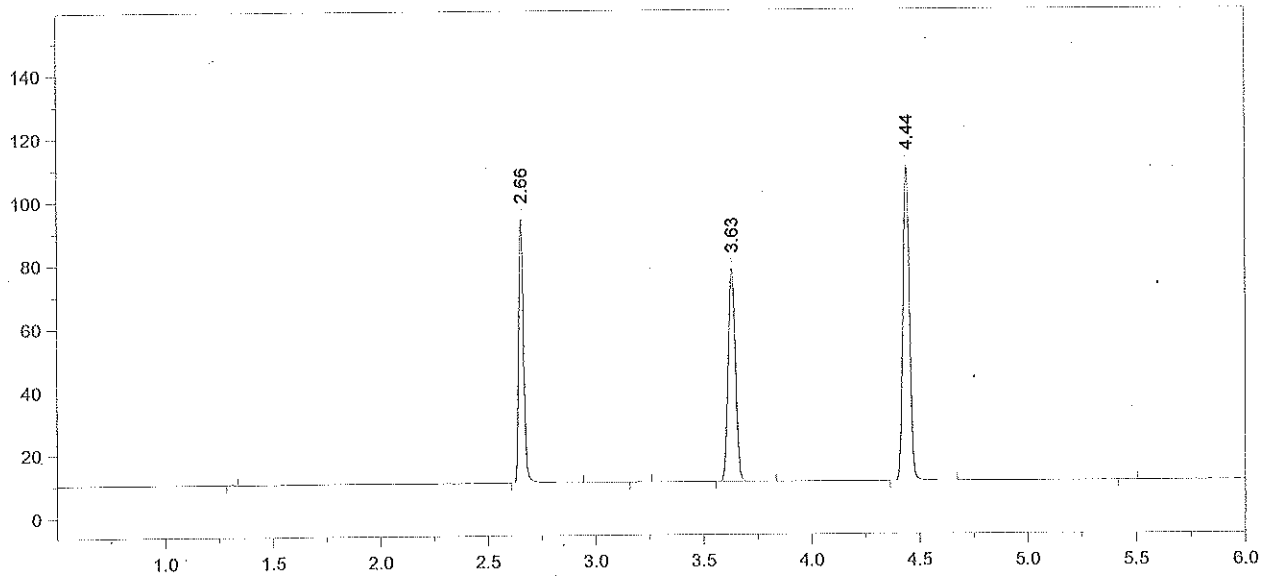
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 11:36:09 AM
Bound File Name = VFL07062015.0051.RAW
Sample Name = 0.10 RM
Date Taken = 7/7/2015 11:35:59 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112480	0.1130	0.0922
4	3.63	t-Butanol	149056	1.0262	0.8376
5	4.44	n-Propanol	188821	1.0000	0.8162

115 AB 7/10/15

AB 7/8/15

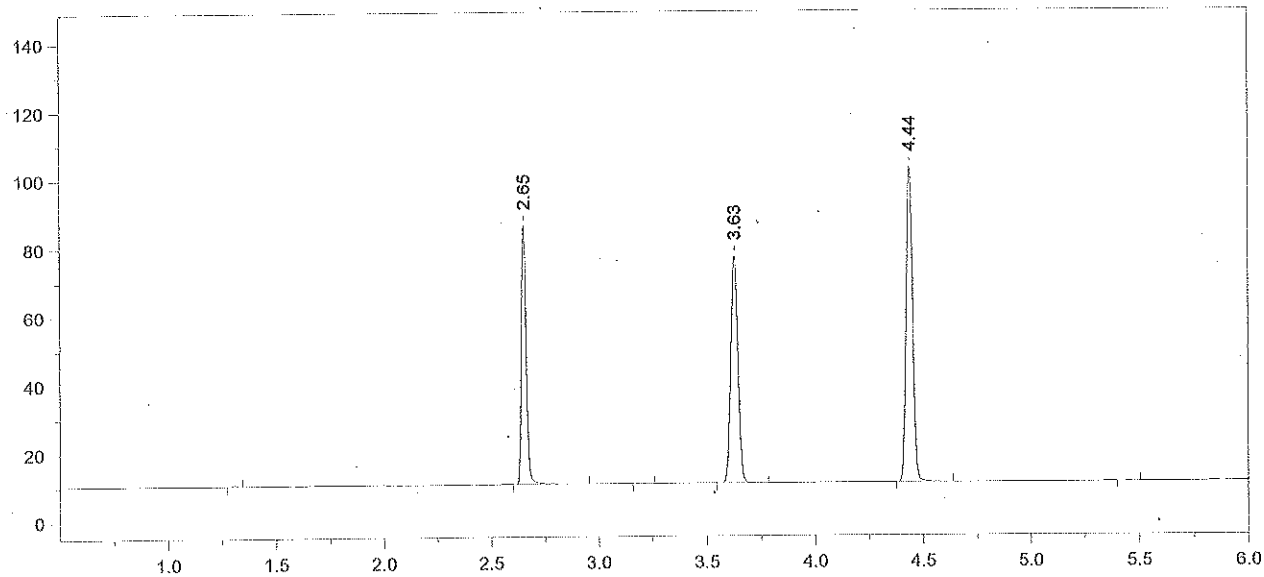


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 11:51:00 AM
Bound File Name = VFL07062015.0052.RAW
Sample Name = 0.10 RM
Date Taken = 7/7/2015 11:50:52 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	129122	0.1156	0.0944
4	3.63	t-Butanol	157085	0.9639	0.7868
5	4.44	n-Propanol	211839	1.0000	0.8162

116 AB 7/10/15



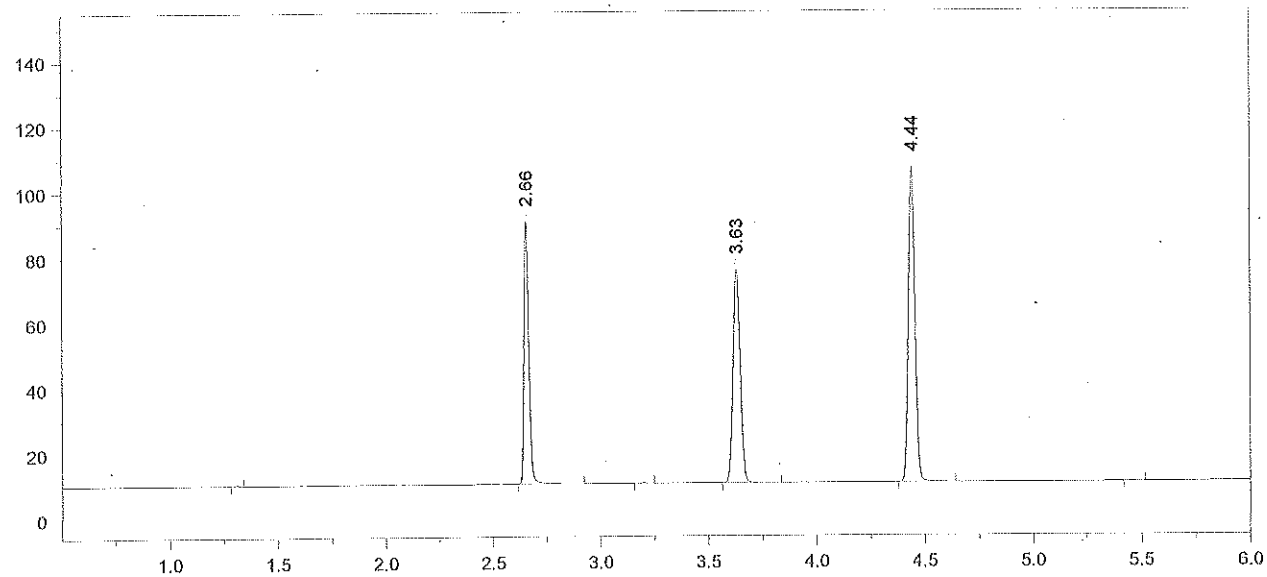
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 12:05:46 PM
Bound File Name = VFL07062015.0053.RAW
Sample Name = 0.10 RM
Date Taken = 7/7/2015 12:05:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	117240	0.1132	0.0924
4	3.63	t-Butanol	153765	1.0173	0.8303
5	4.44	n-Propanol	196485	1.0000	0.8162

09

117 AB 7/10/15

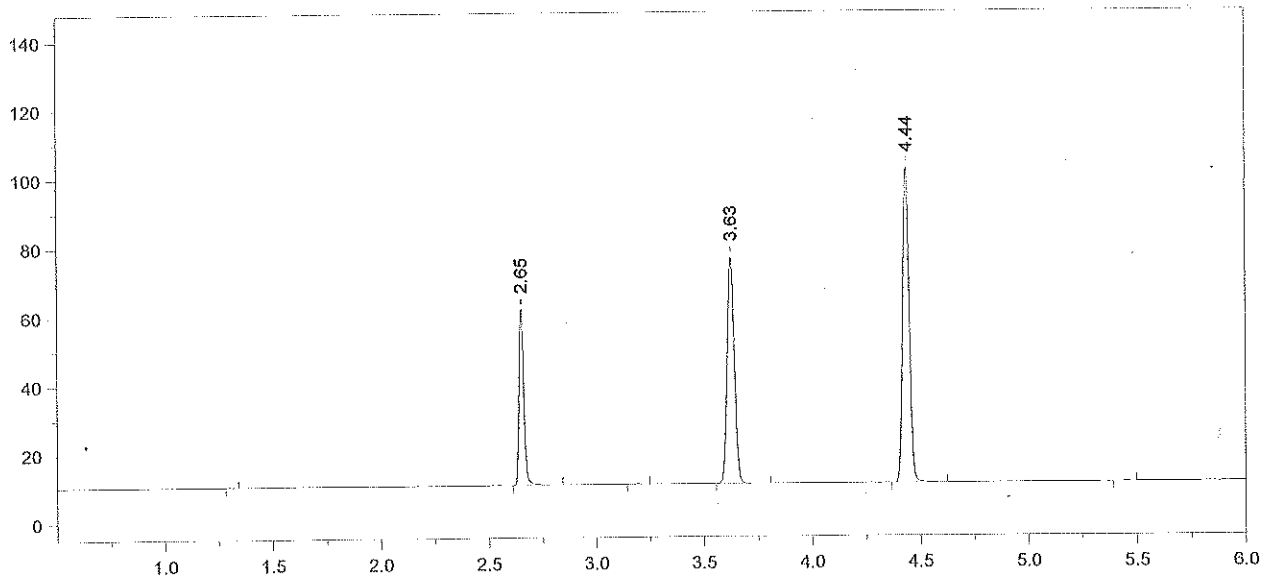


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 12:21:15 PM
Bound File Name = VFL07062015.0054.RAW
Sample Name = 0.10 RM
Date Taken = 7/7/2015 12:21:11 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	123675	0.1153	0.0941
4	3.63	t-Butanol	151414	0.9679	0.7900
5	4.44	n-Propanol	203363	1.0000	0.8162

118 AB 7/10/15



Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 12:37:15 PM
Bound File Name = VFL07062015.0055.RAW
Sample Name = CCS
Date Taken = 7/7/2015 12:37:10 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

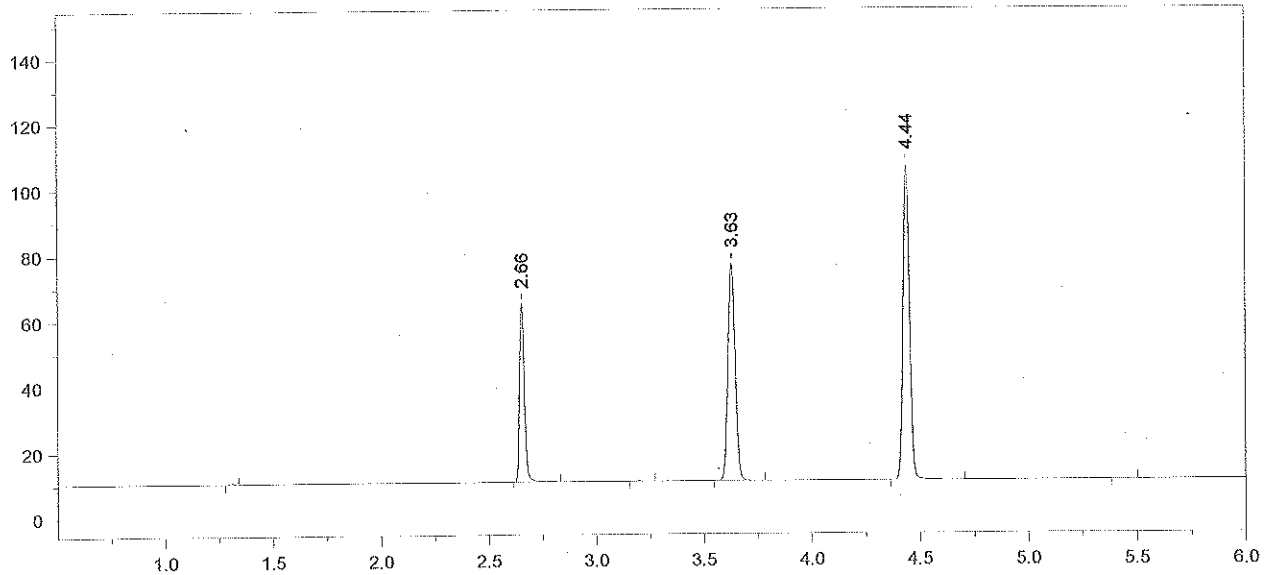
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79638	0.0776
4	3.63	t-Butanol	152192	1.0160
5	4.44	n-Propanol	194726	1.0000

CCS mean: 0.0779% ethanol

±5%: 0.0740 - 0.0818

Recovery: $\frac{0.078}{0.08}$ = 97.5%. 7/8/15

119 7/10/15

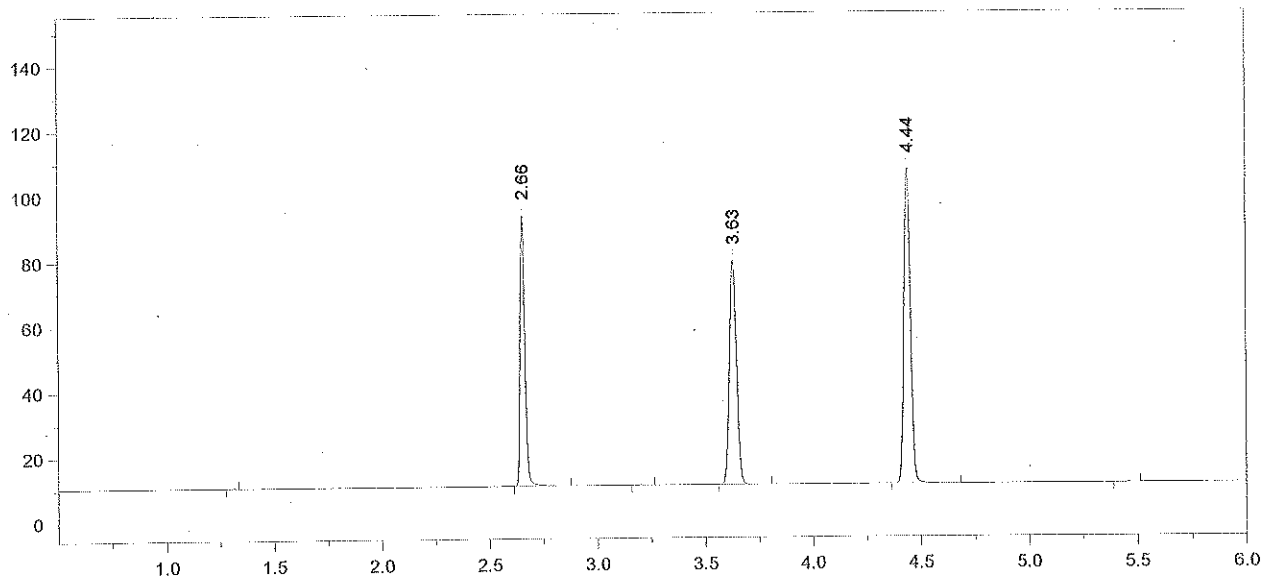


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 12:51:48 PM
Bound File Name = VFL07062015.0056.RAW
Sample Name = CCS
Date Taken = 7/7/2015 12:51:43 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	84205	0.0783
4	3.63	t-Butanol	153463	0.9781
5	4.44	n-Propanol	203960	1.0000

120 AB 7/10/15

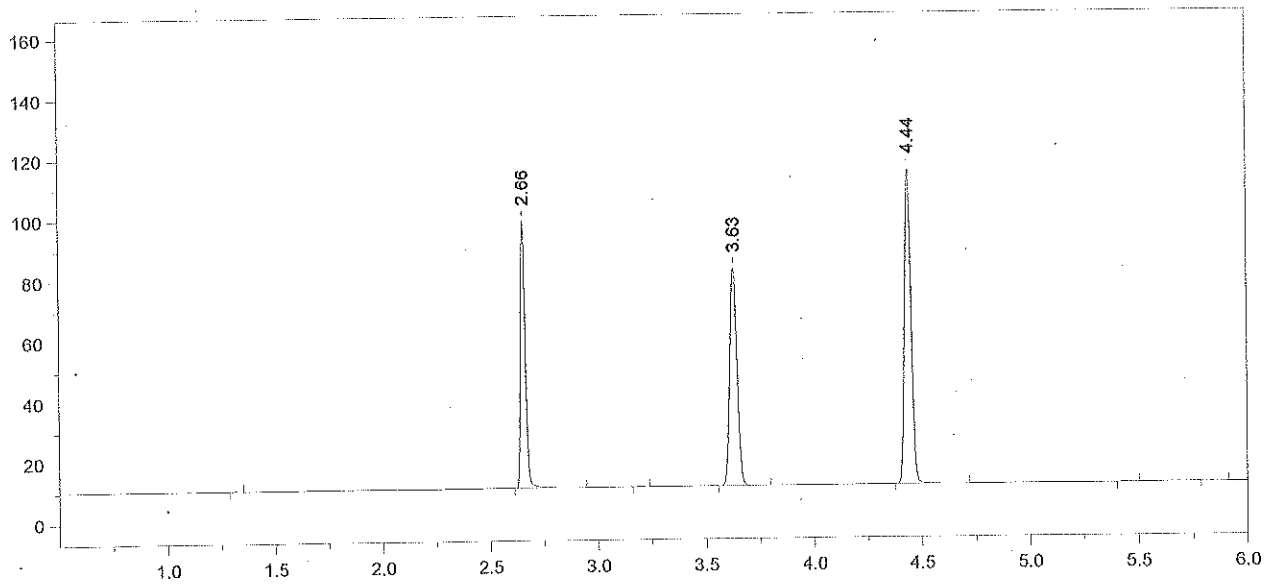


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 1:07:04 PM
Bound File Name = VFL07062015.0057.RAW
Sample Name = 0.10 DP
Date Taken = 7/7/2015 1:06:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	128501	0.1186	0.0968
4	3.63	t-Butanol	158986	1.0056	0.8208
5	4.44	n-Propanol	205519	1.0000	0.8162

121 7/10/15

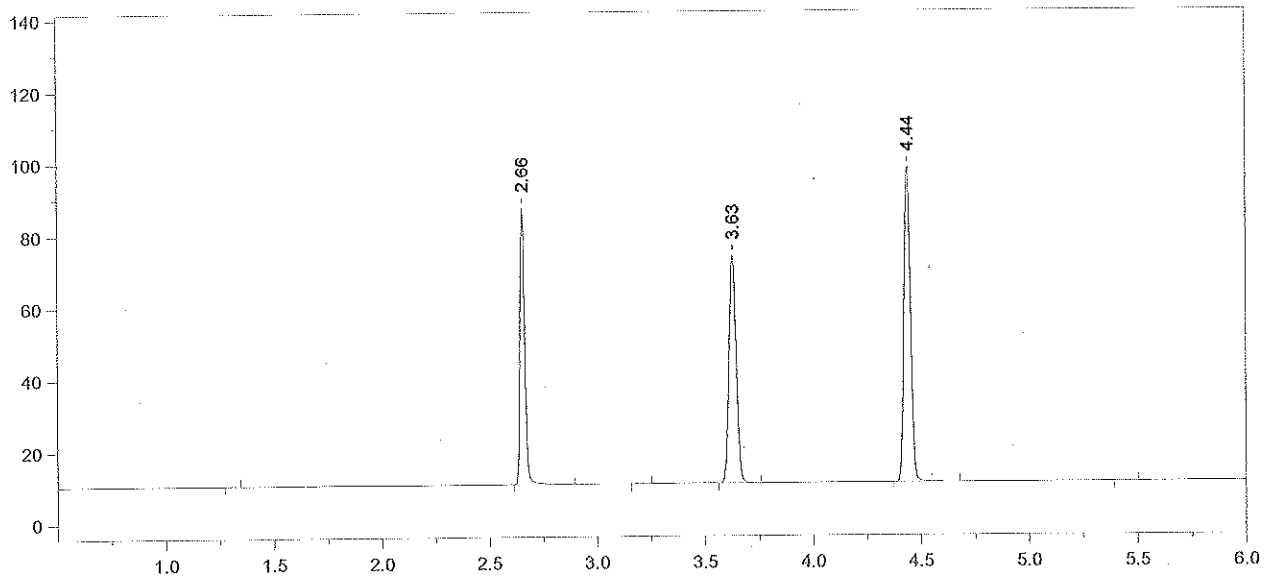


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 1:21:57 PM
Bound File Name = VFL07062015.0058.RAW
Sample Name = 0.10 DP
Date Taken = 7/7/2015 1:21:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	137381	0.1181	0.0964
4	3.63	t-Butanol	166175	0.9789	0.7990
5	4.44	n-Propanol	220663	1.0000	0.8162

122 AB 7/10/15

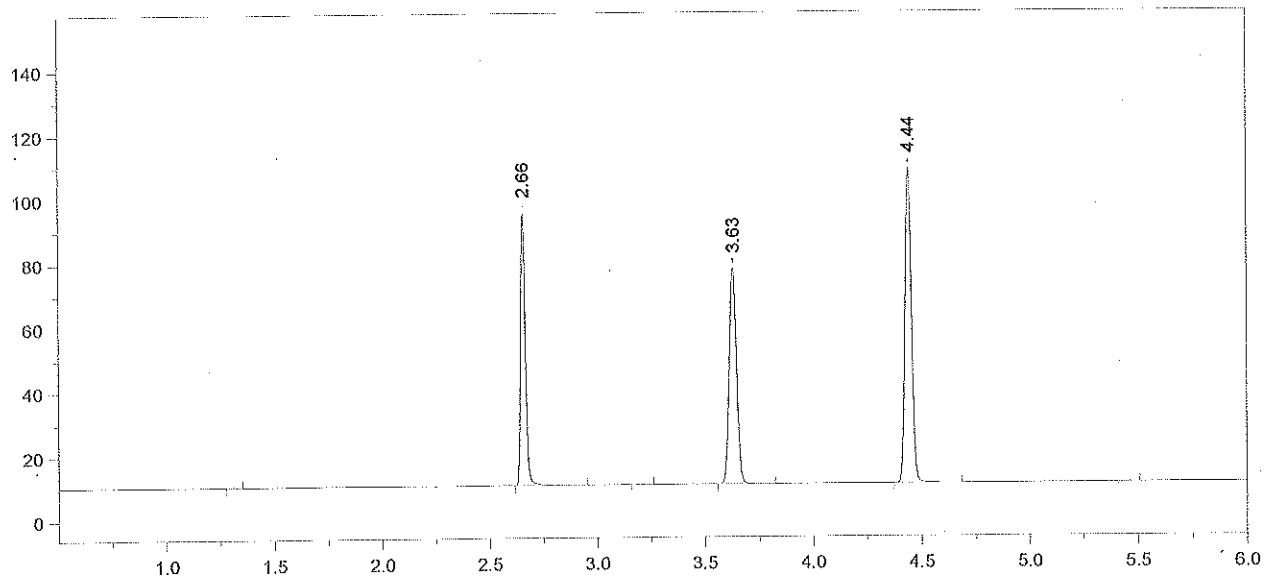


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 1:38:32 PM
Bound File Name = VFL07062015.0059.RAW
Sample Name = 0.10 DP
Date Taken = 7/7/2015 1:38:23 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118841	0.1209	0.0986
4	3.63	t-Butanol	146342	1.0200	0.8325
5	4.44	n-Propanol	186502	1.0000	0.8162

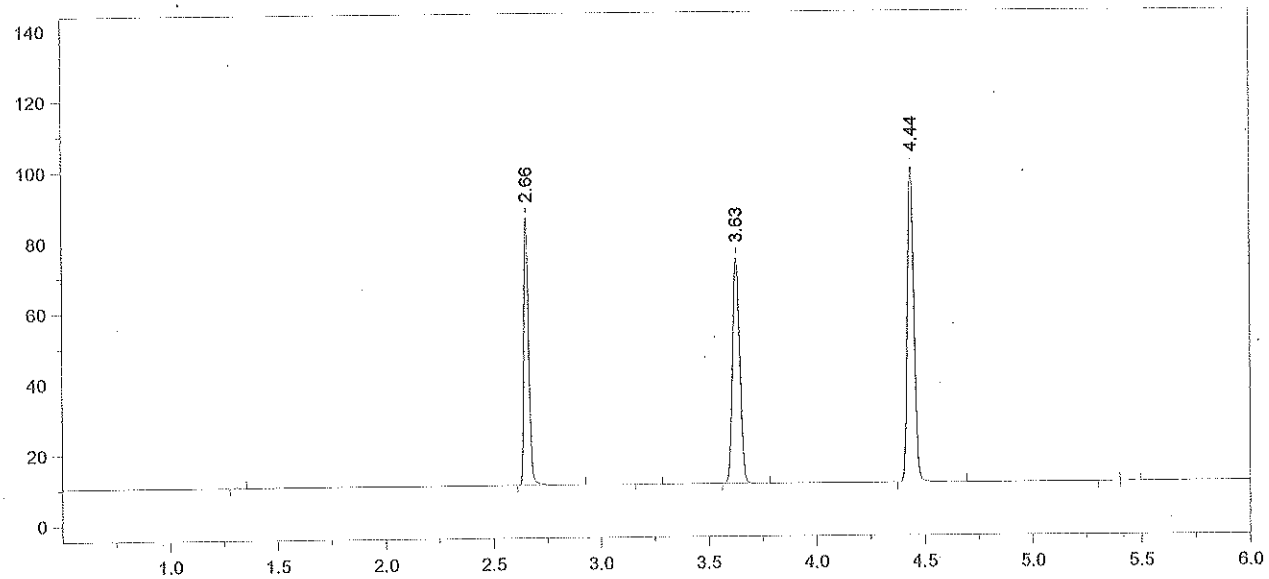
123 7/10/15



Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 1:52:50 PM
Bound File Name = VFL07062015.0060.RAW
Sample Name = 0.10 DP
Date Taken = 7/7/2015 1:52:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	130697	0.1194	0.0975
4	3.63	t-Butanol	155705	0.9750	0.7958
5	4.44	n-Propanol	207585	1.0000	0.8162

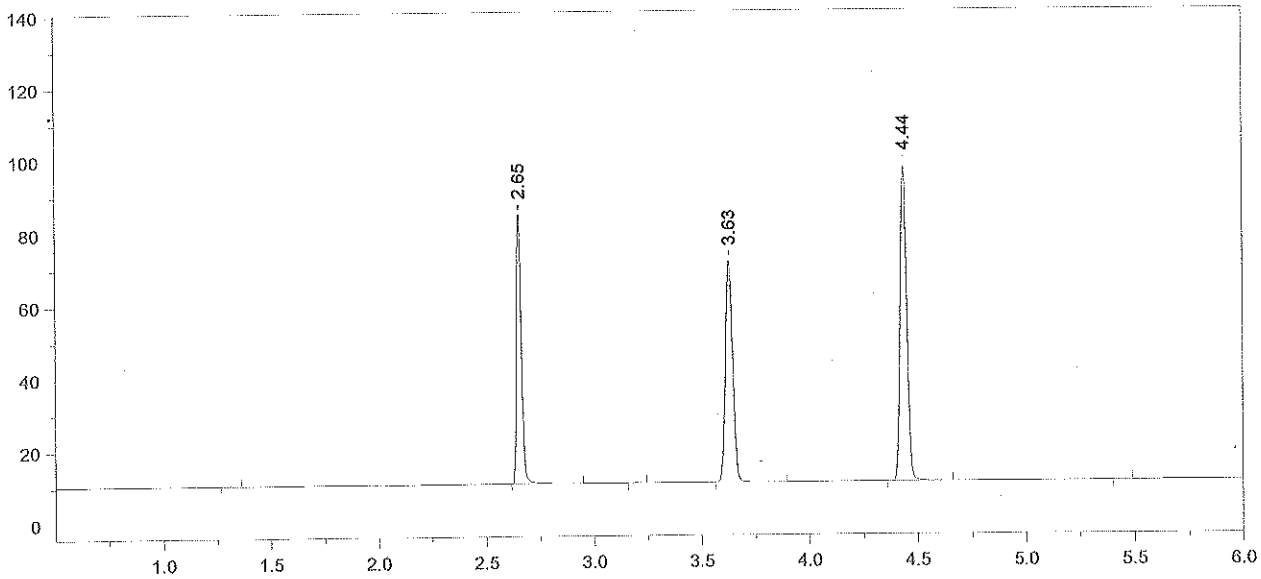


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 2:08:21 PM
Bound File Name = VFL07062015.0061.RAW
Sample Name = 0.10 DP
Date Taken = 7/7/2015 2:08:14 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118413	0.1182	0.0964
4	3.63	t-Butanol	147487	1.0087	0.8233
5	4.44	n-Propanol	190077	1.0000	0.8162

125 AS 7/10/15

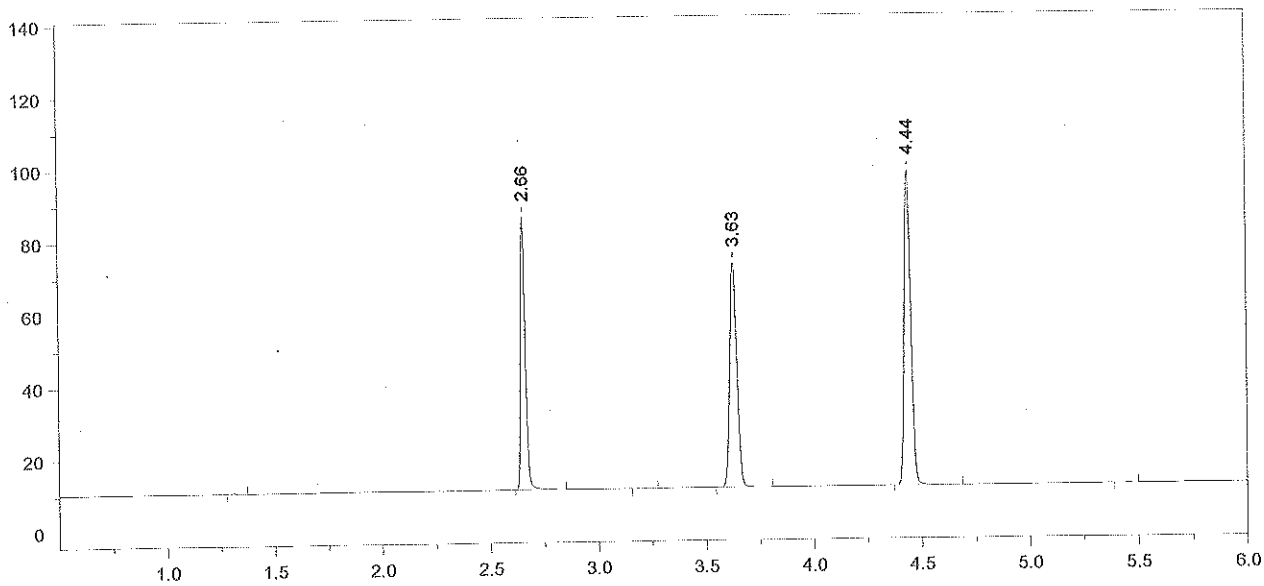


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 2:24:50 PM
Bound File Name = VFL07062015.0062.RAW
Sample Name = 0.10 DP
Date Taken = 7/7/2015 2:24:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	116125	0.1190	0.0971
4	3.63	t-Butanol	141374	0.9925	0.8101
5	4.44	n-Propanol	185158	1.0000	0.8162

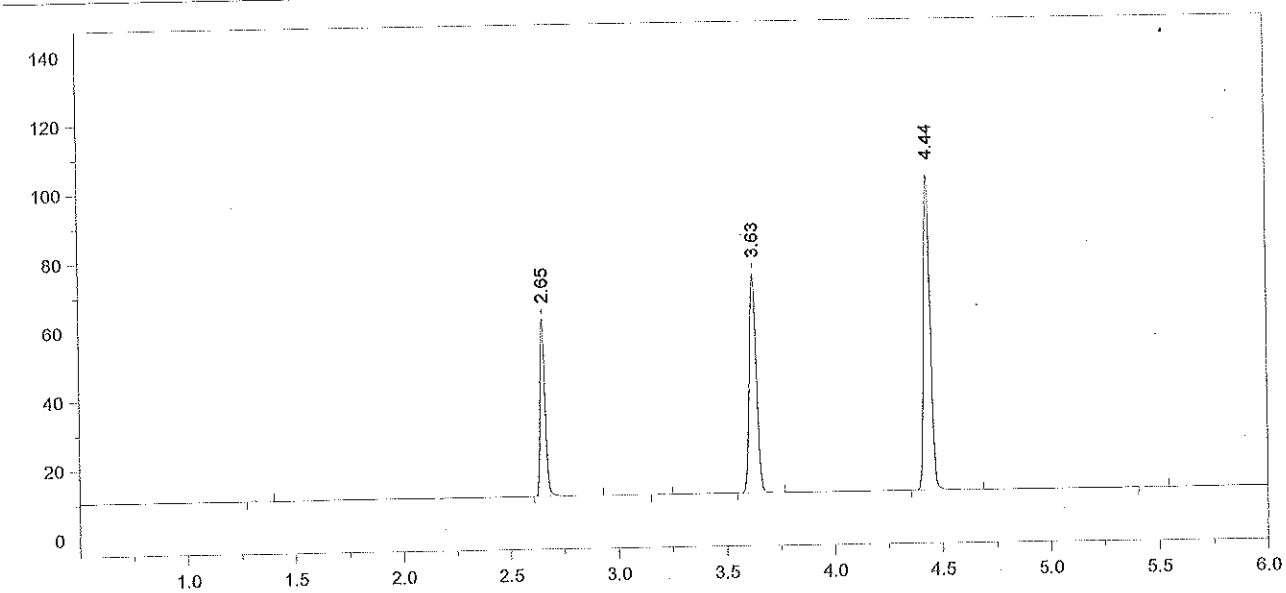
126 AB 7/10/15



Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2015
Today's Time = 2:39:49 PM
Bound File Name = VFL07062015.0063.RAW
Sample Name = 0.10 DP
Date Taken = 7/7/2015 2:39:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	116083	0.1189	0.0970
4	3.63	t-Butanol	144234	1.0122	0.8261
5	4.44	n-Propanol	185241	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 2:55:30 PM

Bound File Name = VFL07062015.0064.RAW
Sample Name = CCS
Date Taken = 7/7/2015 2:55:25 PM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL

VFL Headspace Alcohol

Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81094	0.0787
4	3.63	t-Butanol	147406	0.9800
5	4.44	n-Propanol	195522	1.0000

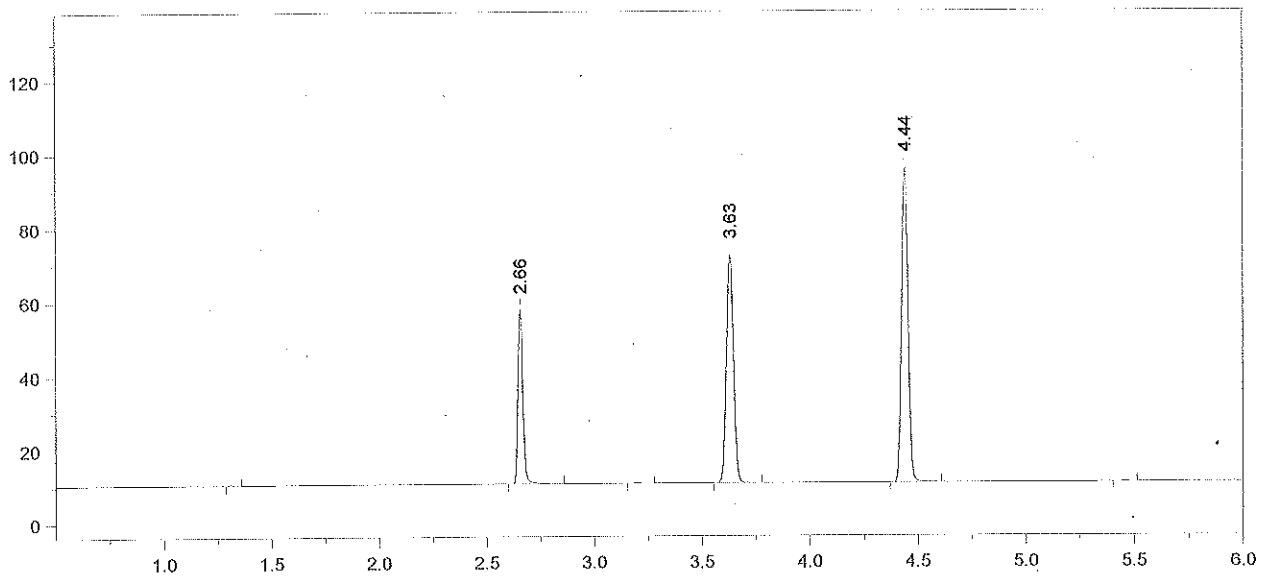
CCS NOW: 0.0779% ETHANOL

±5%: 0.0740 – 0.0818

Recovery: $\frac{0.078}{0.08} = 97.5\%$

7/8/15

128 DAB 7/10/15



Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2015
Today's Time = 3:11:10 PM
Bound File Name = VFL07062015.0065.RAW
Sample Name = CCS
Date Taken = 7/7/2015 3:11:06 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07062015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	73574	0.0771
4	3.63	t-Butanol	143825	1.0331
5	4.44	n-Propanol	180968	1.0000

129 dlb 7/10/15

File Name = C:\Alcohol Data\VFL07022015\VFL07022015.SEQ
Version = 1
File Date = 7/2/2015 9:31:35 AM

Entry #	Raw File Name	Method File Name	Sample Name LOT #	Sample Wt.	Int. Std. Amount
1	VFL07022015.0001.raw	Blood Alc temp VFL.MET	BLANK BL-01162015	1.00	1.00
2	VFL07022015.0002.raw	Blood Alc temp VFL.MET	TMX TMX-08112014	1.00	1.00
3	VFL07022015.0003.raw	Blood Alc temp VFL.MET	STD A FN01131401	1.00	1.00
4	VFL07022015.0004.raw	Blood Alc temp VFL.MET	STD B FN 08101401	1.00	1.00
5	VFL07022015.0005.raw	Blood Alc temp VFL.MET	STD C FN 05211402	1.00	1.00
6	VFL07022015.0006.raw	Blood Alc temp VFL.MET	STD D FN032712-01	1.00	1.00
7	VFL07022015.0007.raw	Blood Alc temp VFL.MET	STD E ~~FN02111-03~~ → FN012712-01 7/10/15	1.00	1.00
8	VFL07022015.0008.raw	Blood Alc temp VFL.MET	WB	1.00	1.00
9	VFL07022015.0009.raw	Blood Alc temp VFL.MET	WBCLN1QA 12120910	1.00	1.00
10	VFL07022015.0010.raw	Blood Alc temp VFL.MET	AQ FN 02111-03	1.00	1.00
11	VFL07022015.0011.raw	Blood Alc temp VFL.MET	AQ 7/13/15	1.00	1.00
12	VFL07022015.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL07022015.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL07022015.0014.raw	Blood Alc temp VFL.MET	VFL-1064 A1-1 } CASEWORK	1.00	1.00
15	VFL07022015.0015.raw	Blood Alc temp VFL.MET	VFL-1064 A1-1 } SAMPLES	1.00	1.00
16	VFL07022015.0016.raw	Blood Alc temp VFL.MET	VFL-1067 A1-1 } NOT INCLUDED	1.00	1.00
17	VFL07022015.0017.raw	Blood Alc temp VFL.MET	VFL-1067 A1-1 }	1.00	1.00
18	VFL07022015.0018.raw	simsoln.met	0.100 DP 7/6/15	1.00	1.00
19	VFL07022015.0019.raw	simsoln.met	0.100 DP	1.00	1.00
20	VFL07022015.0020.raw	simsoln.met	0.100 DP	1.00	1.00
21	VFL07022015.0021.raw	simsoln.met	0.100 DP	1.00	1.00
22	VFL07022015.0022.raw	simsoln.met	0.100 DP	1.00	1.00
23	VFL07022015.0023.raw	simsoln.met	0.100 DP	1.00	1.00
24	VFL07022015.0024.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
25	VFL07022015.0025.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
26	VFL07022015.0026.raw	simsoln.met	0.100 DP	1.00	1.00
27	VFL07022015.0027.raw	simsoln.met	0.100 AB	1.00	1.00
28	VFL07022015.0028.raw	simsoln.met	0.100 AB	1.00	1.00
29	VFL07022015.0029.raw	simsoln.met	0.100 AB	1.00	1.00
30	VFL07022015.0030.raw	simsoln.met	0.100 AB	1.00	1.00
31	VFL07022015.0031.raw	simsoln.met	0.100 AB	1.00	1.00
32	VFL07022015.0032.raw	simsoln.met	0.100 AB	1.00	1.00
33	VFL07022015.0033.raw	simsoln.met	0.100 AB	1.00	1.00
34	VFL07022015.0034.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
35	VFL07022015.0035.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

Data not included
results of AB vals not
within 35D of all other results
AB 7/8/15

AB Avg = 0.0838
See Pg 163
AB 7/13/15

15-09-100

130 AB 7/10/15

File Name: C:\Methods\VFL07022015.CAL
Version: 7

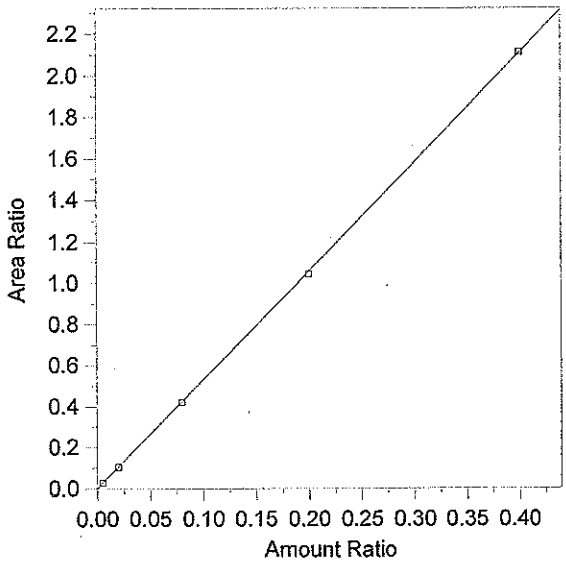
Creator:
Description:
Reason for change:

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: 2.656 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

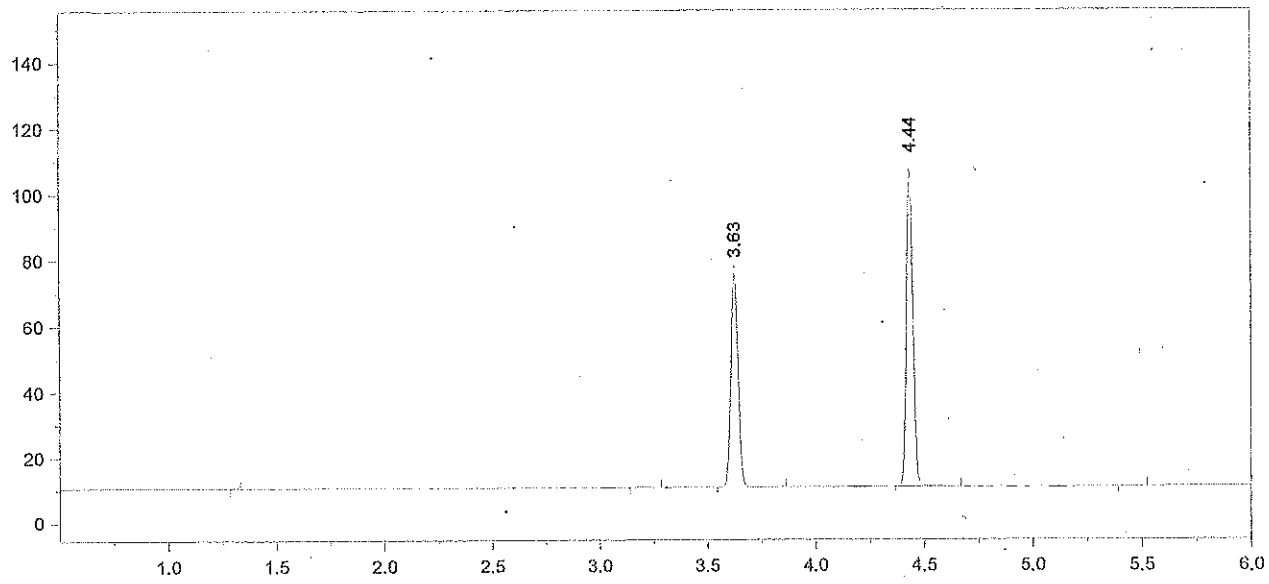
$Y = 5.264543 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999442
Average error: 1.254%
Average CF: 5.204594
RSD: 1.260%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.0836)	(85146)	--	--	0.0836	85146	Manual	8/13/2014 9:33:12 AM
2	0.005	5677.759	1135552	-0.884	0.005	2.609005E-02	C:\Alcohol Data\VFL07022015\VFL07022015.0003.BND	7/2/2015 10:40:15 AM
3	0.02	19405.24	970262.1	-3.152	0.02	0.1019721	C:\Alcohol Data\VFL07022015\VFL07022015.0004.BND	7/2/2015 10:53:32 AM
4	0.08	84602.17	1057527	-0.985	0.08	0.4170133	C:\Alcohol Data\VFL07022015\VFL07022015.0005.BND	7/2/2015 11:11:37 AM
5	0.2	197378.3	986891.5	-0.960	0.2	1.042804	C:\Alcohol Data\VFL07022015\VFL07022015.0006.BND	7/2/2015 11:26:37 AM
6	0.4	396161.8	990404.5	0.287	0.4	2.111868	C:\Alcohol Data\VFL07022015\VFL07022015.0007.BND	7/2/2015 11:42:18 AM

15-09-100

131 AB 7/10/15



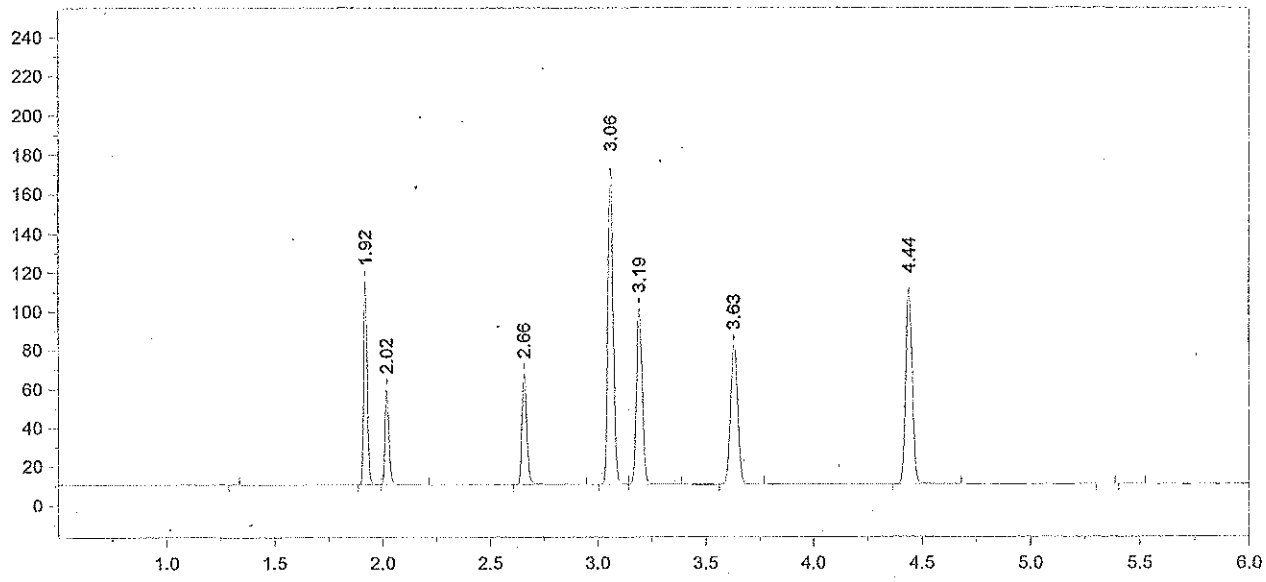
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 8:11:51 AM
Bound File Name = VFL07022015.0001.RAW
Sample Name = BLANK
Date Taken = 7/2/2015 10:08:02 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.63	t-Butanol	150346	0.9597
4	4.44	n-Propanol	205338	1.0000

15-09-100

132 AB 7/10/15



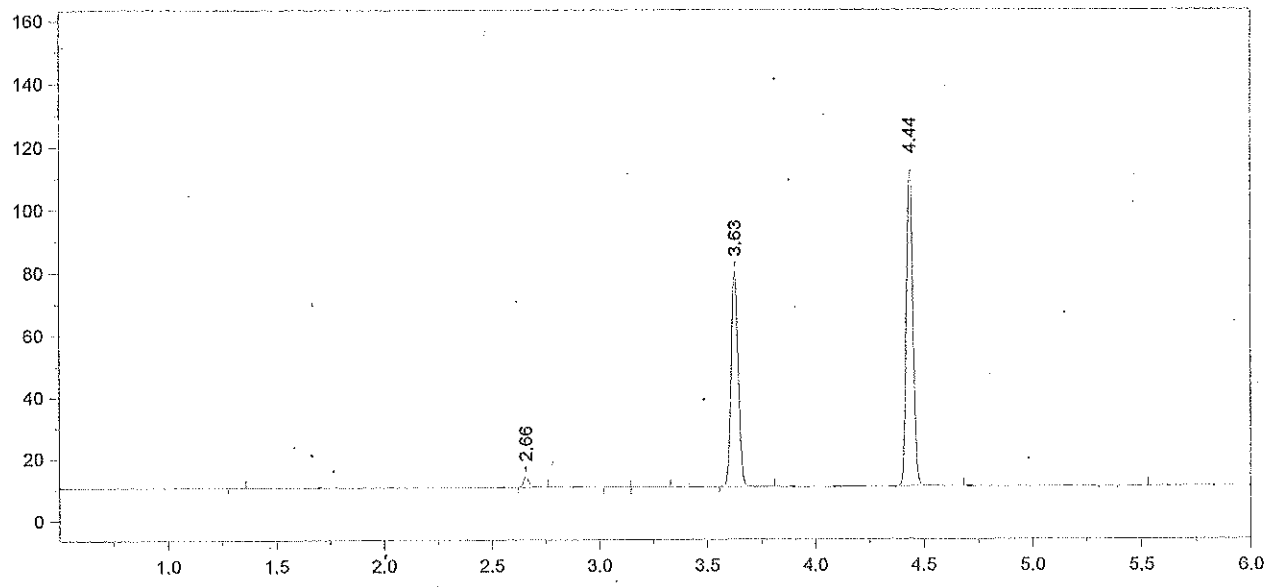
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 8:12:00 AM
Bound File Name = VFL07022015.0002.RAW
Sample Name = TMX
Date Taken = 7/2/2015 10:23:33 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	122416	0.0695
3	2.02	Methanol	62462	0.1232
4	2.66	Ethanol	88677	0.0788
5	3.06	Acetone	279584	0.0657
6	3.19	Isopropanol	170120	0.0848
7	3.63	t-Butanol	166125	1.0182
8	4.44	n-Propanol	213864	1.0000

133 AB 7/10/15

15-09-100



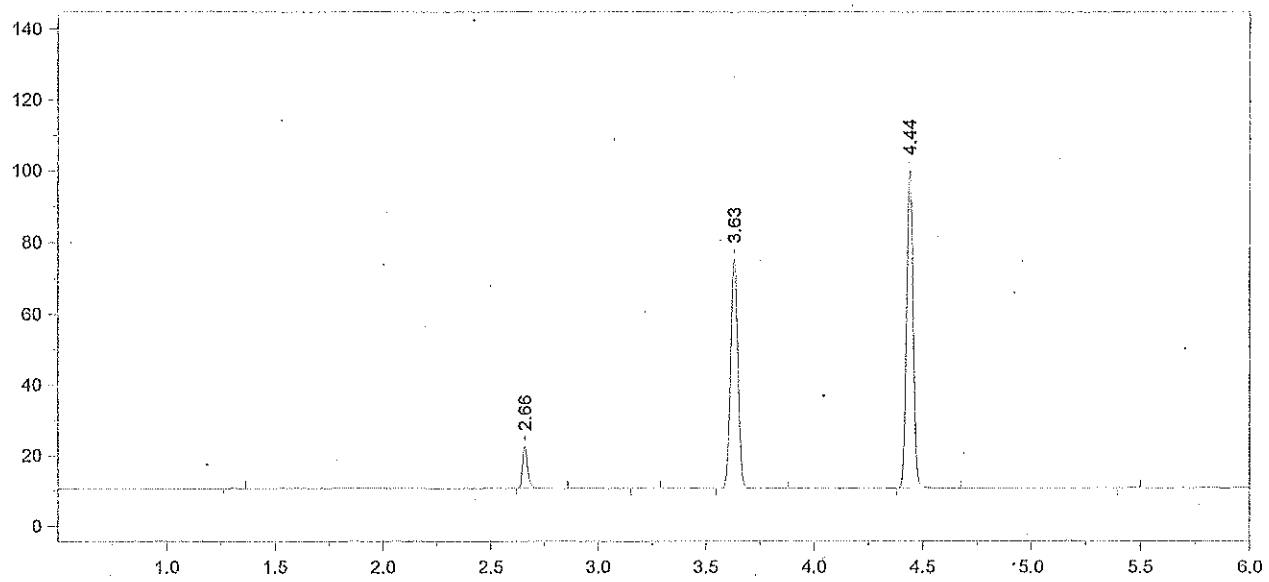
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 8:12:05 AM
Bound File Name = VFL07022015.0003.RAW
Sample Name = STD A
Date Taken = 7/2/2015 10:40:07 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	05678	0.0050
5	3.63	t-Butanol	159970	0.9635
6	4.44	n-Propanol	217622	1.0000

15-09-100

134
90
7/10/15



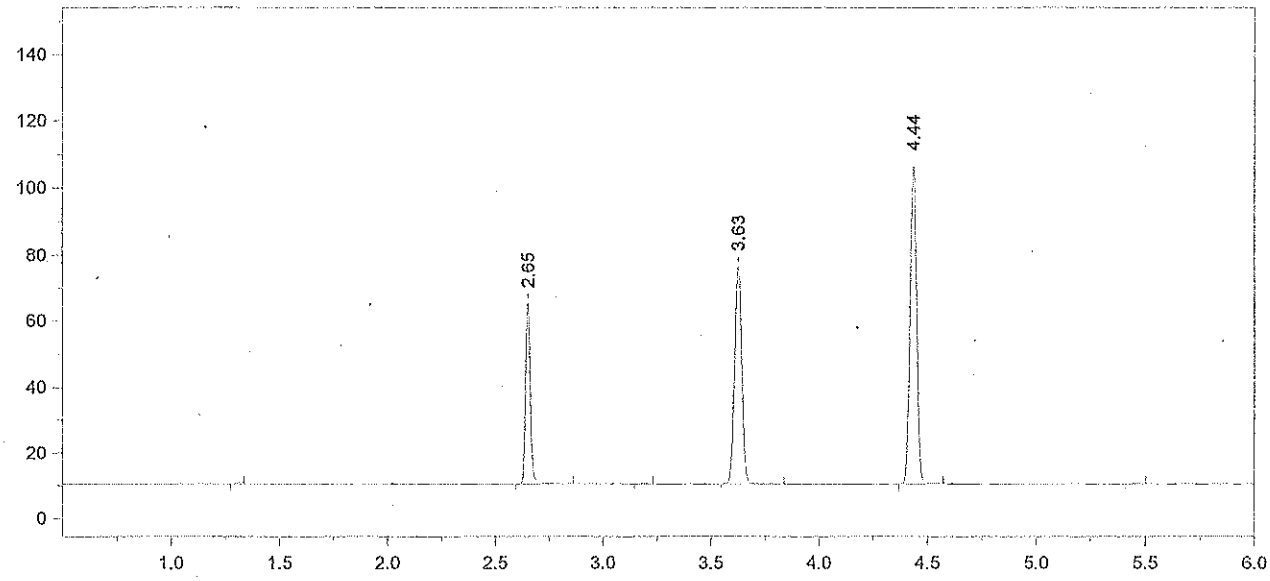
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 8:12:10 AM
Bound File Name = VFL07022015.0004.RAW
Sample Name = STD B
Date Taken = 7/2/2015 10:53:22 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	19405	0.0194
4	3.63	t-Butanol	150110	1.0340
5	4.44	n-Propanol	190300	1.0000

15-09-100

135



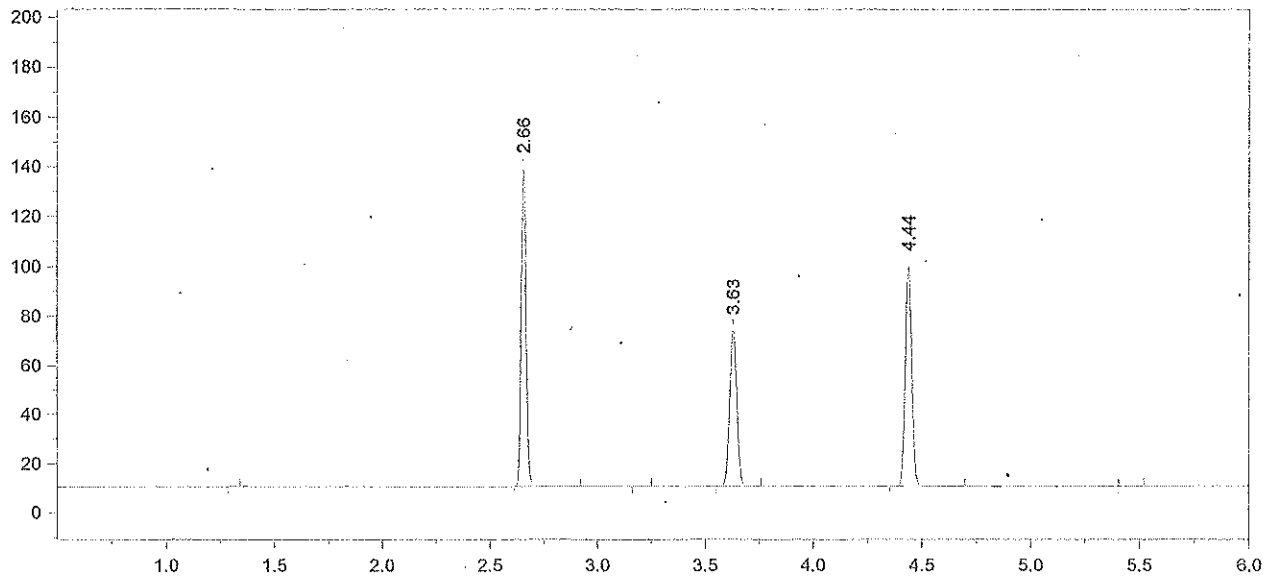
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 8:12:16 AM
Bound File Name = VFL07022015.0005.RAW
Sample Name = STD C
Date Taken = 7/2/2015 11:11:28 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84602	0.0792
4	3.63	t-Butanol	152729	0.9868
5	4.44	n-Propanol	202876	1.0000

15-09-100

136 MB 7/10/15
92



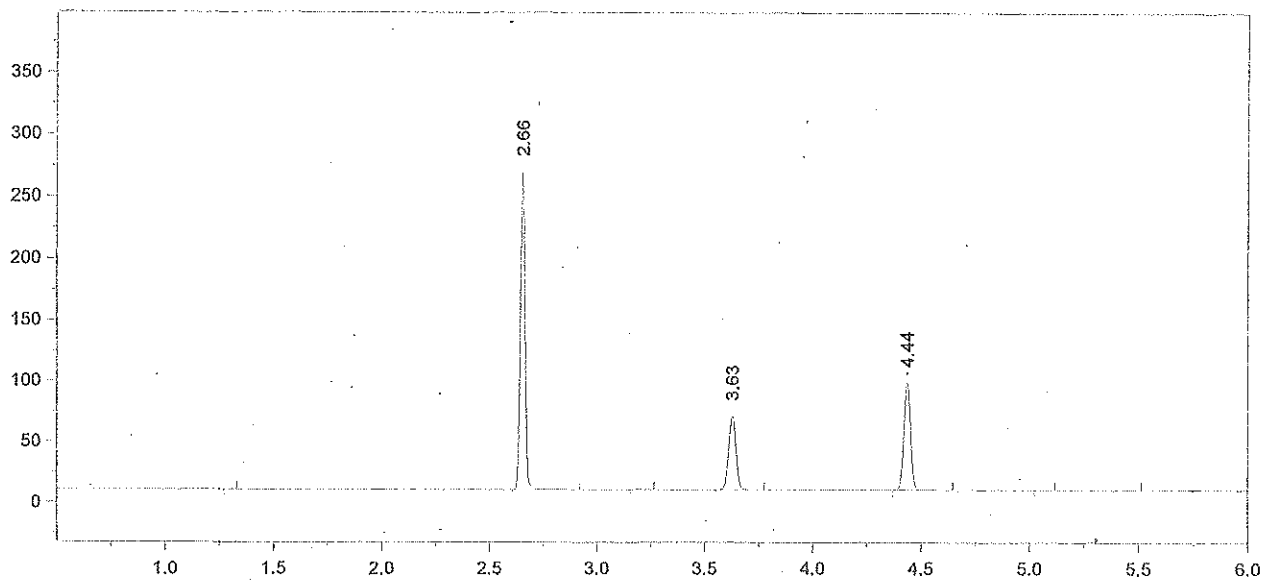
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015 Today's Time = 8:12:22 AM
Bound File Name = VFL07022015.0006.RAW
Sample Name = STD D
Date Taken = 7/2/2015 11:26:27 AM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	197378	0.1981
4	3.63	t-Butanol	147012	1.0181
5	4.44	n-Propanol	189277	1.0000

15-09-100

137 7/10/15



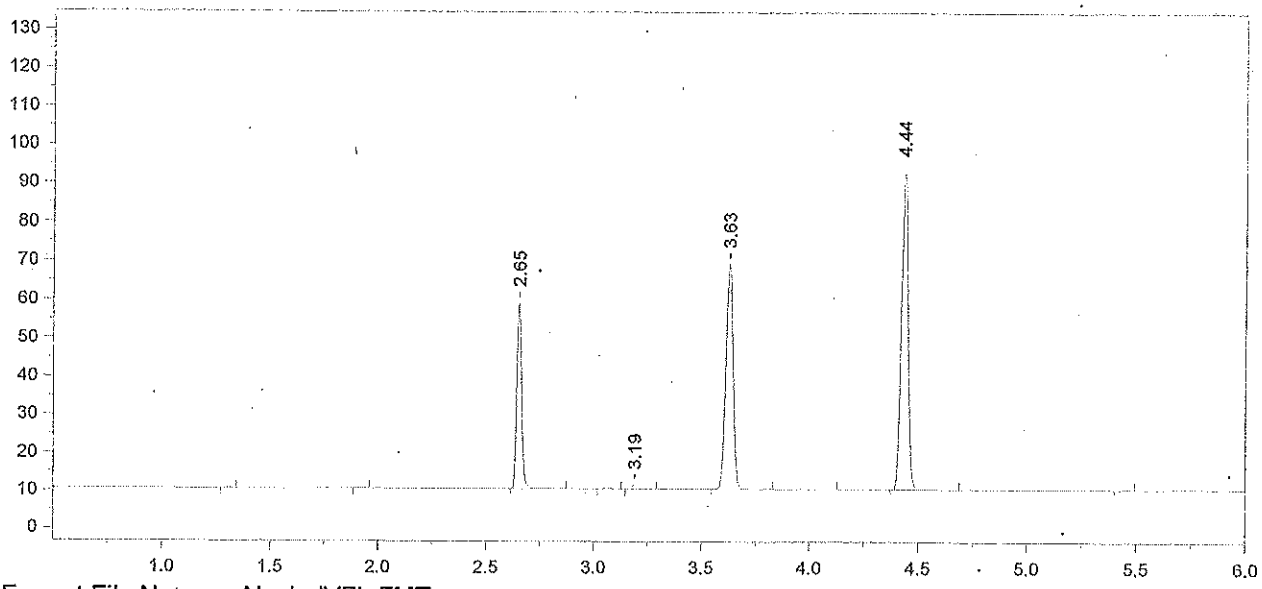
Format File Name = AlcoholVFL.FMT

Today's Date = 7/6/2015
Today's Time = 8:12:27 AM
Bound File Name = VFL07022015.0007.RAW
Sample Name = STD E
Date Taken = 7/2/2015 11:42:13 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	396162	0.4011
4	3.63	t-Butanol	140168	0.9794
5	4.44	n-Propanol	187588	1.0000

15-09-100

138
94
7/10/15



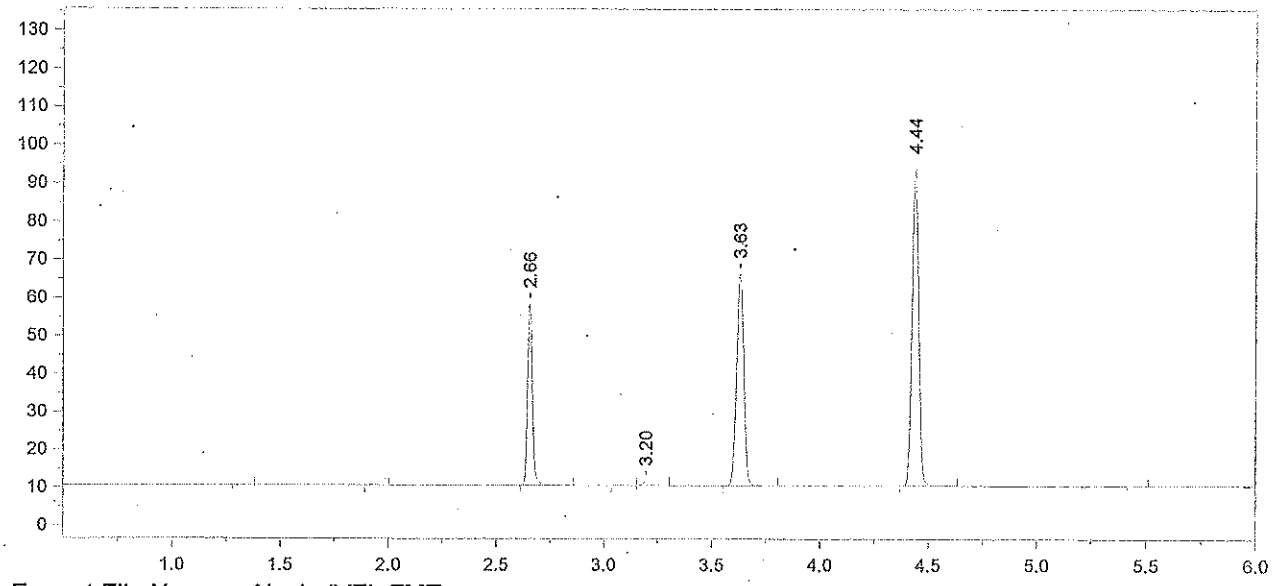
Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 11:58:03 AM
Bound File Name = VFL07022015.0008.RAW
Sample Name = WB
Date Taken = 7/2/2015 11:57:54 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	75795	0.0820
5	3.19	Isopropanol	02282	<0.004
6	3.63	t-Butanol	137073	1.0230
8	4.44	n-Propanol	175636	1.0000

15-09-100

139 AB 7/10/15
95



Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 12:13:20 PM
Bound File Name = VFL07022015.0009.RAW
Sample Name = WB
Date Taken = 7/2/2015 12:13:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	74695	0.0805
5	3.20	Isopropanol	02205	<0.004
6	3.63	t-Butanol	129681	0.9642
7	4.44	n-Propanol	176286	1.0000

WB MEAN: 0.0812

±5%: 0.0771 - 0.0852

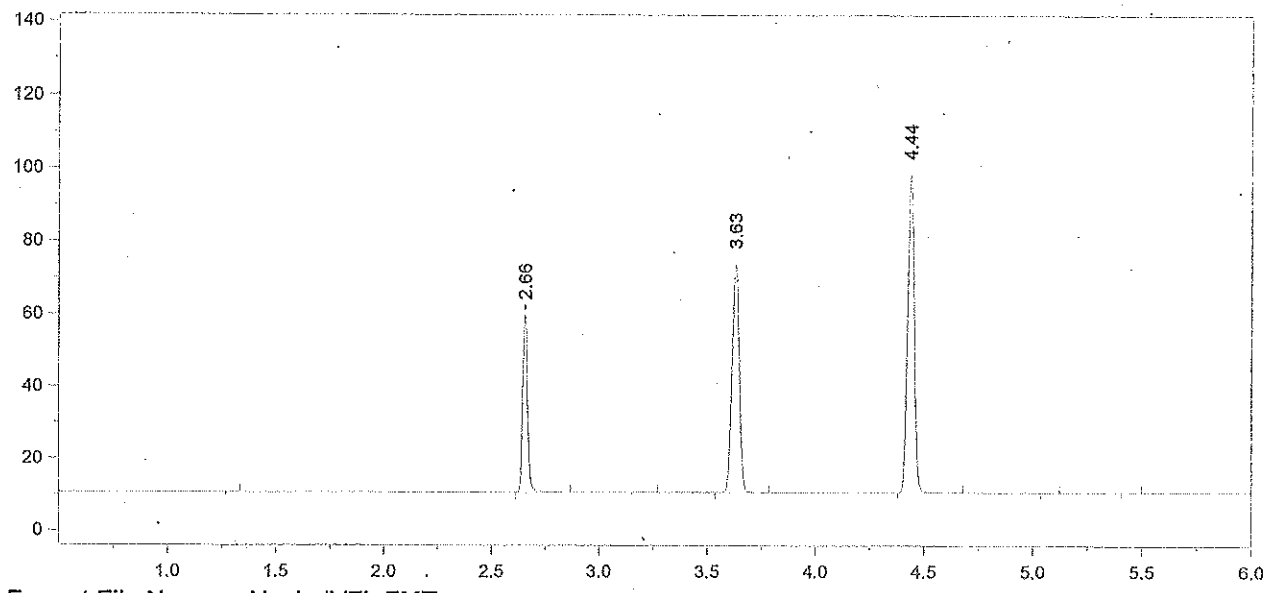
Recovery: $\frac{0.081}{0.08} = 101.2\%$

CLINQA LOT 121090 7/6/15 7/6/15

Printed on 7/2/2015 12:13:21 PM

15-09-100

140
96 7/10/15



Format File Name = AlcoholVFL.FMT

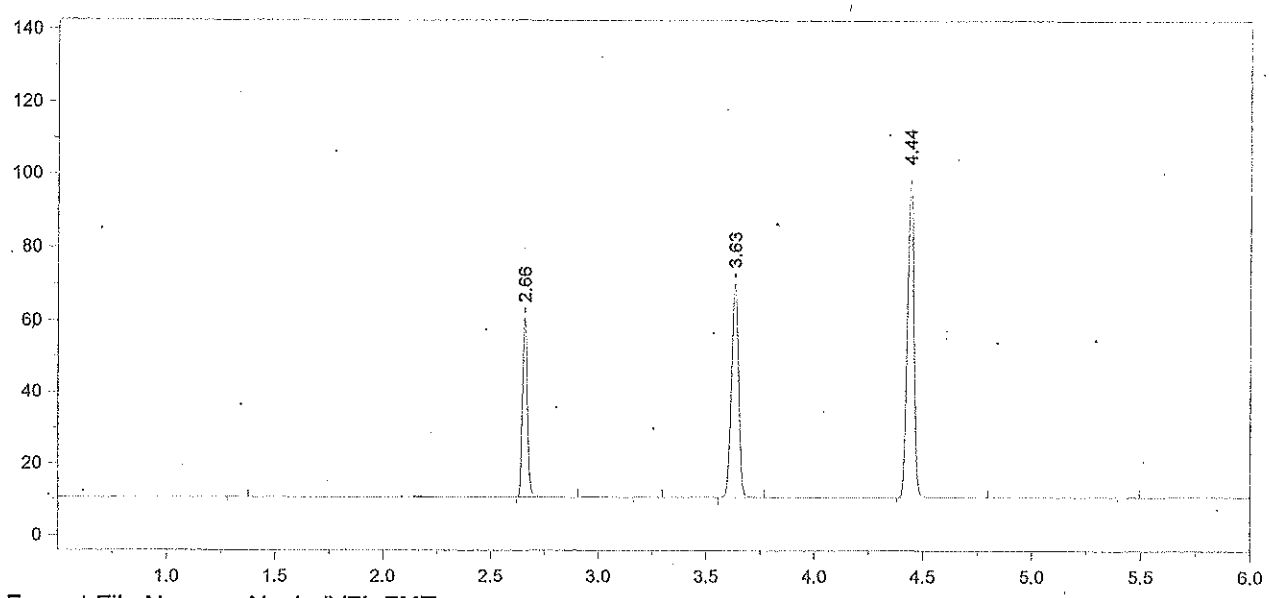
Today's Date = 7/2/2015
Today's Time = 12:29:24 PM
Bound File Name = VFL07022015.0010.RAW
Sample Name = AQ
Date Taken = 7/2/2015 12:29:15 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76345	0.0778
4	3.63	t-Butanol	146250	1.0284
5	4.44	n-Propanol	186408	1.0000

~~AQ MEAN~~ 7/6/15

15-09-100

141 AB 7/10/15 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 12:43:41 PM
Bound File Name = VFL07022015.0011.RAW
Sample Name = AQ
Date Taken = 7/2/2015 12:43:33 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	78019	0.0791
4	3.63	t-Butanol	137848	0.9649
5	4.44	n-Propanol	187257	1.0000

AQ MEAN: 0.0784

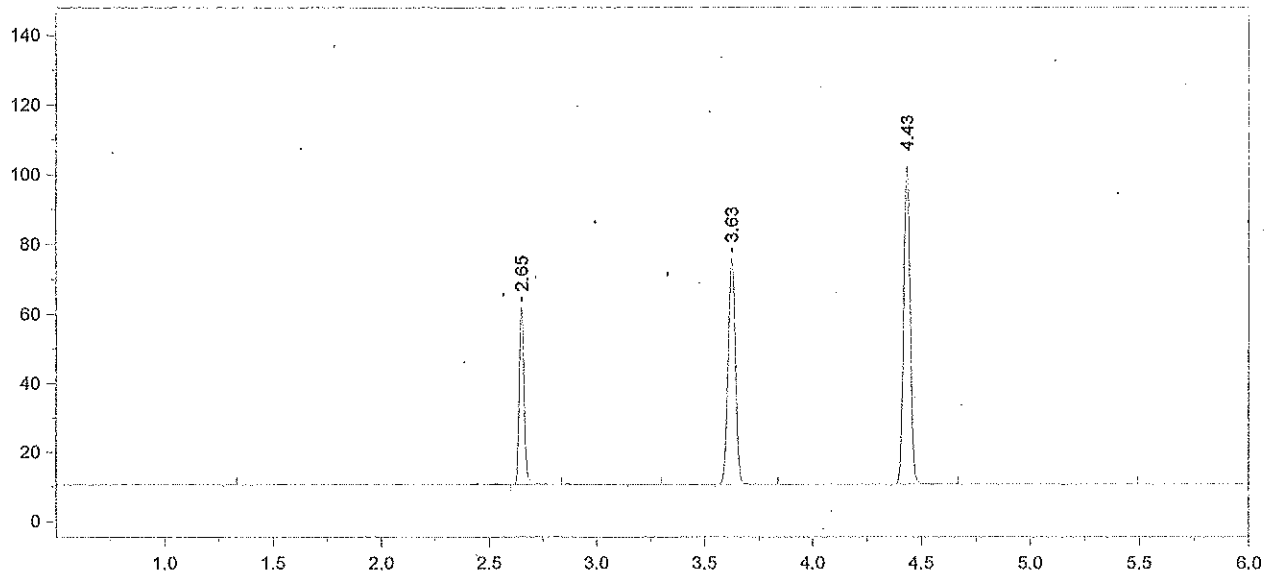
±5%: 0.0745 – 0.0823

Recovery: $\frac{0.078}{0.08}$ = 97.5%

7/6/15

142
98 7/10/15

15-129-100

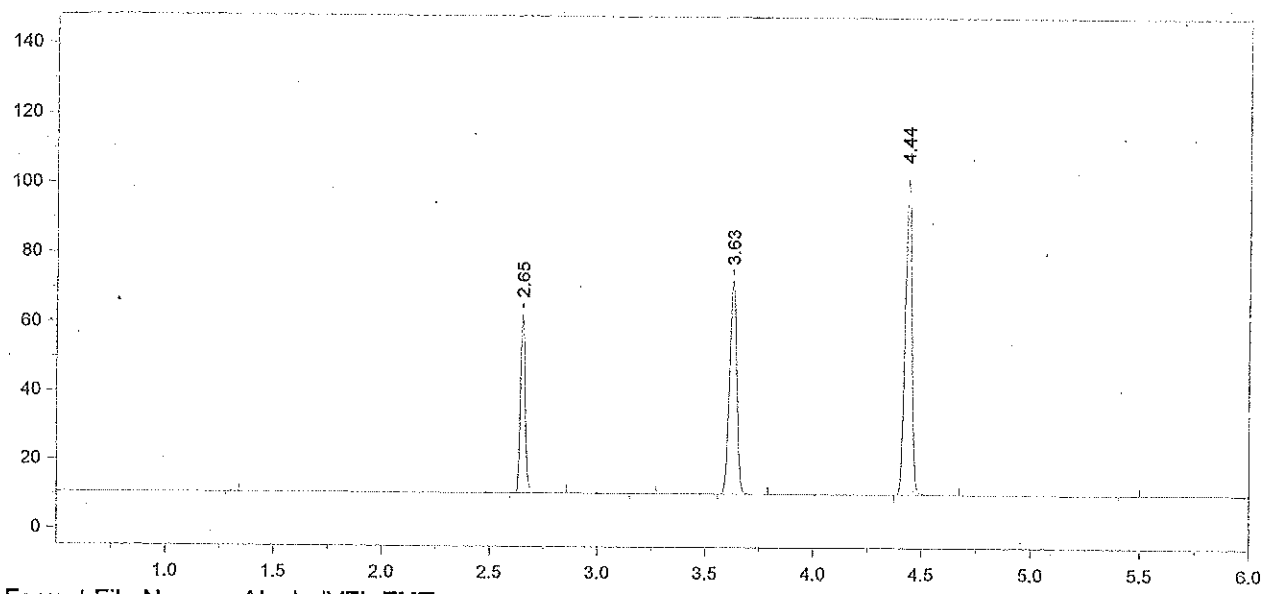


Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 12:59:01 PM
Bound File Name = VFL07022015.0012.RAW
Sample Name = CCS
Date Taken = 7/2/2015 12:58:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79867	0.0779
4	3.63	t-Butanol	150787	1.0155
5	4.43	n-Propanol	194629	1.0000

15-09-100
143



Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 1:14:50 PM
Bound File Name = VFL07022015.0013.RAW
Sample Name = CCS
Date Taken = 7/2/2015 1:14:43 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	80957	0.0792
4	3.63	t-Butanol	144259	0.9733
5	4.44	n-Propanol	194275	1.0000

CCS MEAN: 0.0785

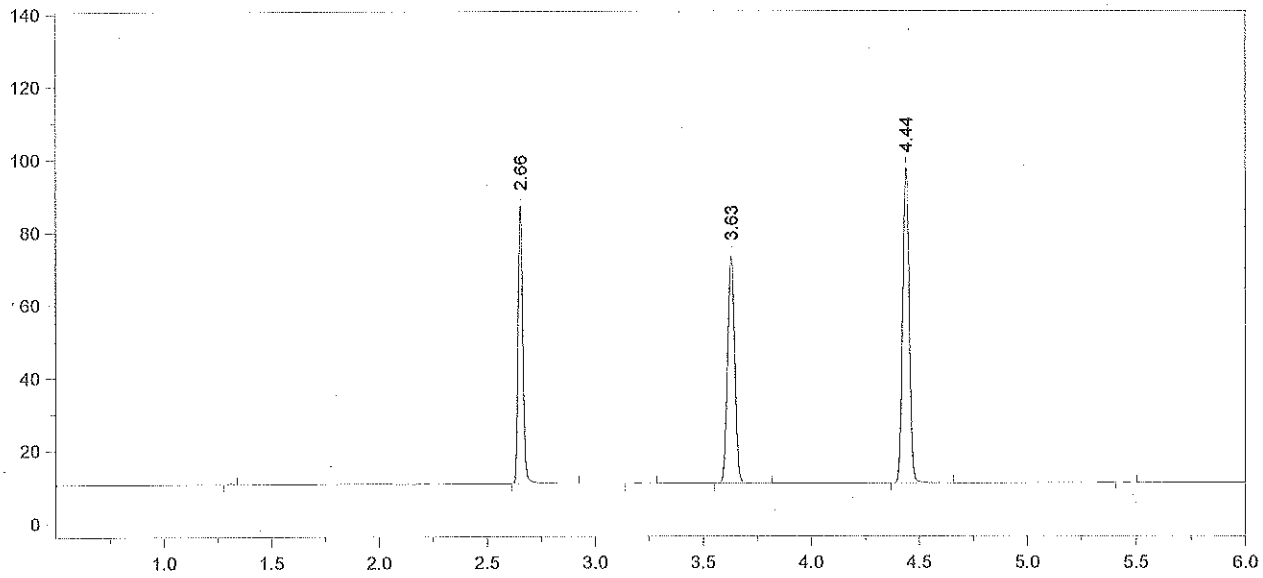
±5%: 0.0746 – 0.0824

Recovery: $\frac{0.078}{0.08}$ = 97.5%

df 7/6/15

15-09-140

144

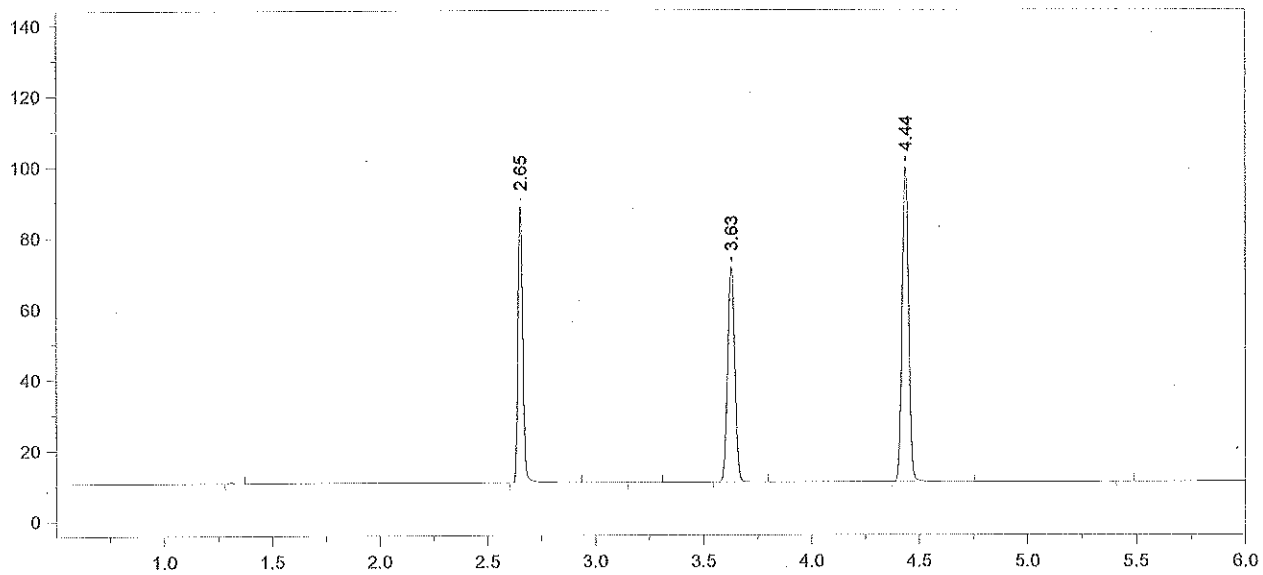


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015
Today's Time = 2:33:31 PM
Bound File Name = VFL07022015.0018.RAW
Sample Name = 0.100 DP
Date Taken = 7/2/2015 2:33:22 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118462	0.1223	0.0998
4	3.63	t-Butanol	144723	1.0274	0.8386
5	4.44	n-Propanol	185215	1.0000	0.8162

15-09-100 145 TAL 7/10/15



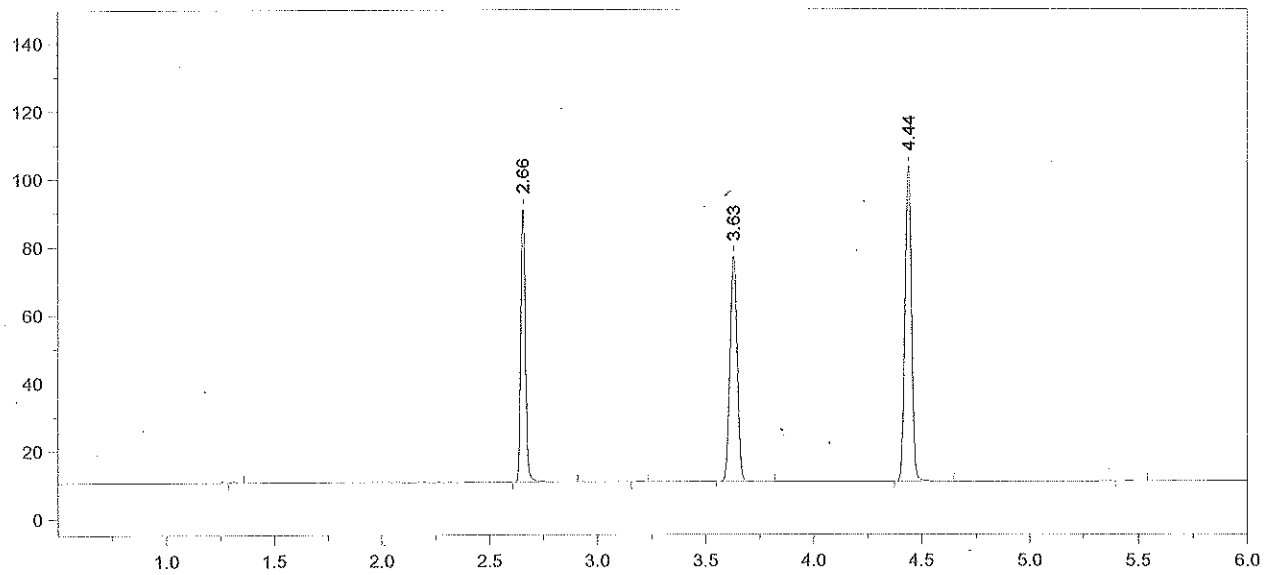
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015
Today's Time = 2:47:52 PM
Bound File Name = VFL07022015.0019.RAW
Sample Name = 0.100 DP
Date Taken = 7/2/2015 2:47:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	120984	0.1227	0.1001
4	3.63	t-Butanol	141520	0.9870	0.8056
5	4.44	n-Propanol	188537	1.0000	0.8162

15-09-100

146 AB 7/10/15
402 AB

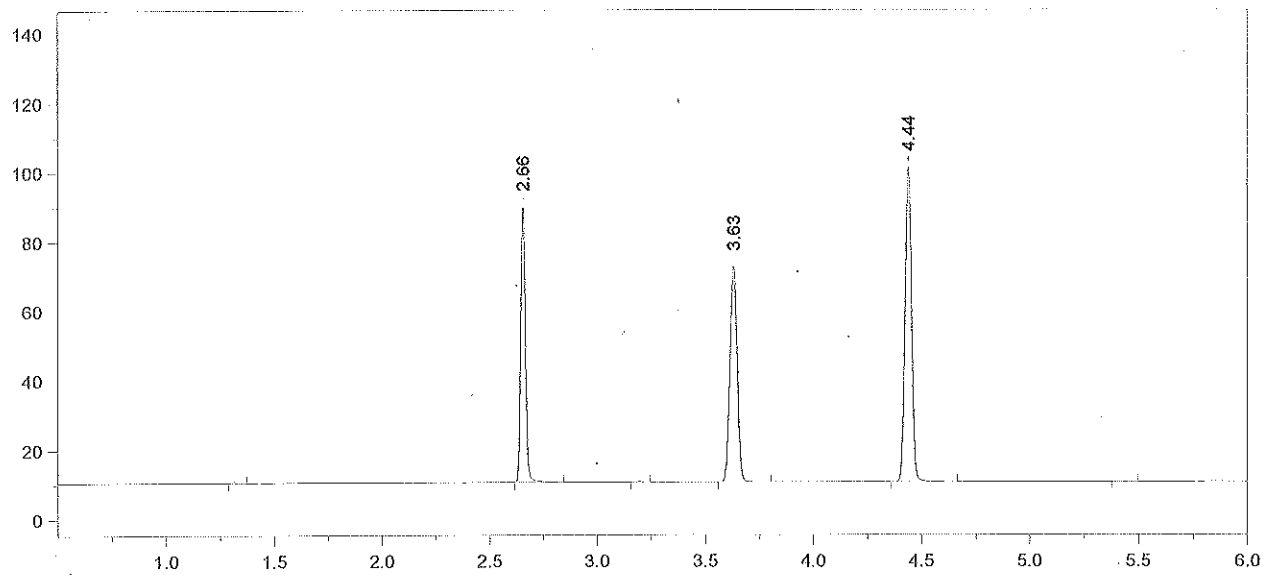


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015
Today's Time = 3:04:50 PM
Bound File Name = VFL07022015.0020.RAW
Sample Name = 0.100 DP
Date Taken = 7/2/2015 3:04:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	124569	0.1206	0.0984
4	3.63	t-Butanol	153557	1.0227	0.8347
5	4.44	n-Propanol	197423	1.0000	0.8162

15-09-100 147 +A3 7/10/15

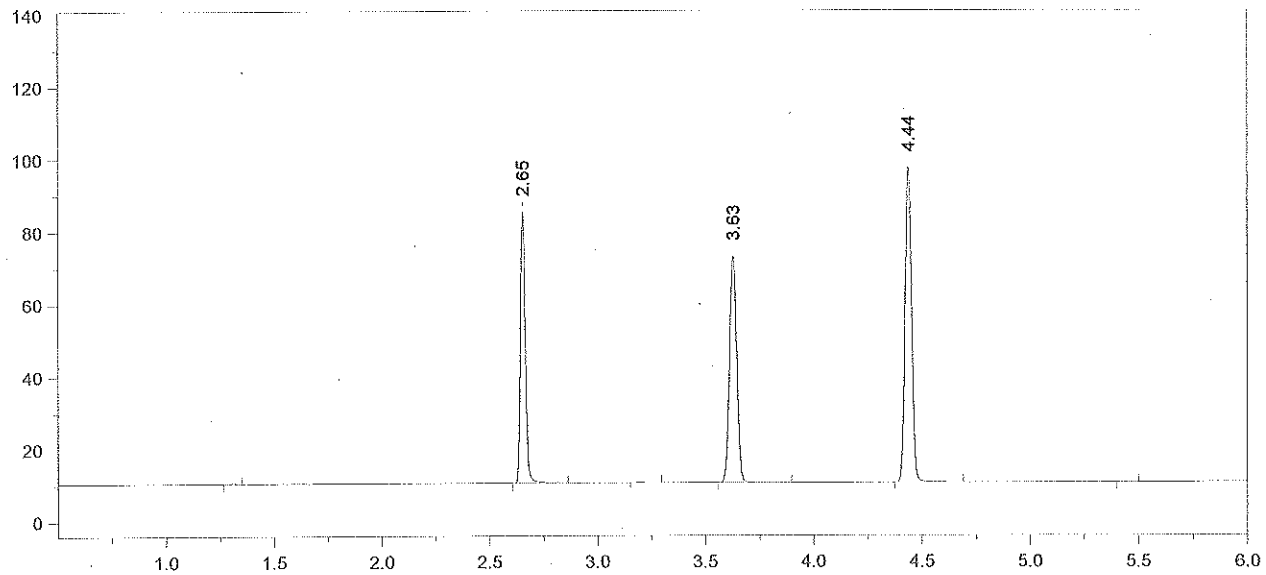


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015
Today's Time = 3:19:49 PM
Bound File Name = VFL07022015.0021.RAW
Sample Name = 0.100 DP
Date Taken = 7/2/2015 3:19:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	122410	0.1217	0.0993
4	3.63	t-Butanol	144025	0.9846	0.8036
5	4.44	n-Propanol	192339	1.0000	0.8162

15-09-100 148 404 AB 7/10/15 AB

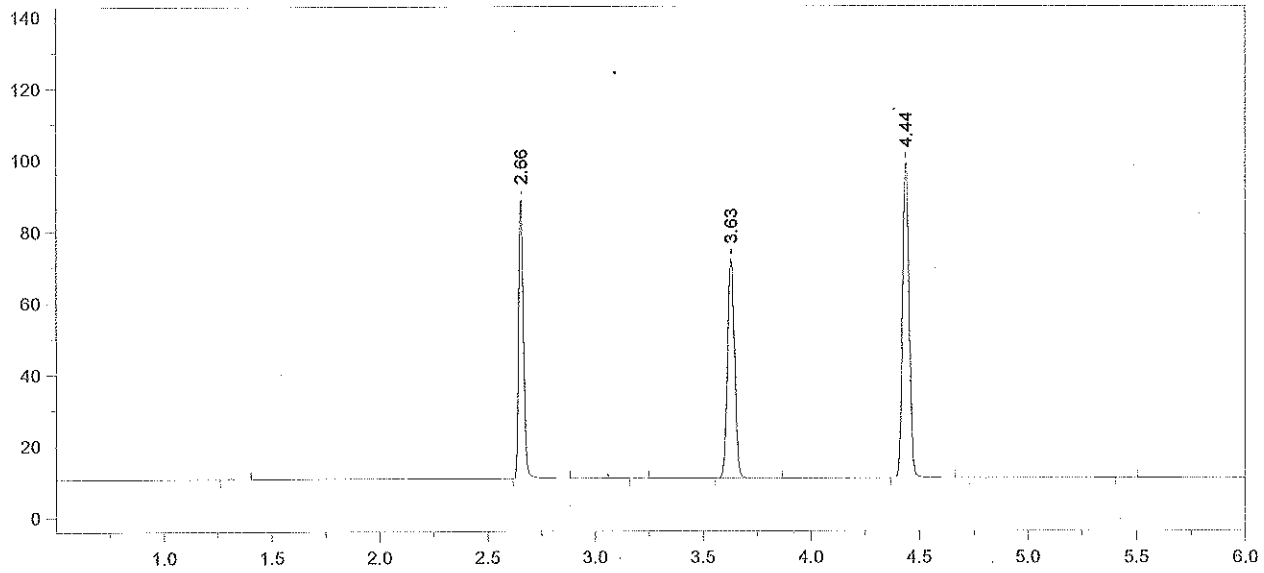


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015
Today's Time = 3:36:16 PM
Bound File Name = VFL07022015.0022.RAW
Sample Name = 0.100 DP
Date Taken = 7/2/2015 3:36:09 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	115893	0.1199	0.0979
4	3.63	t-Butanol	144754	1.0301	0.8407
5	4.44	n-Propanol	184779	1.0000	0.8162

149
15-09-100
AB 7/10/15

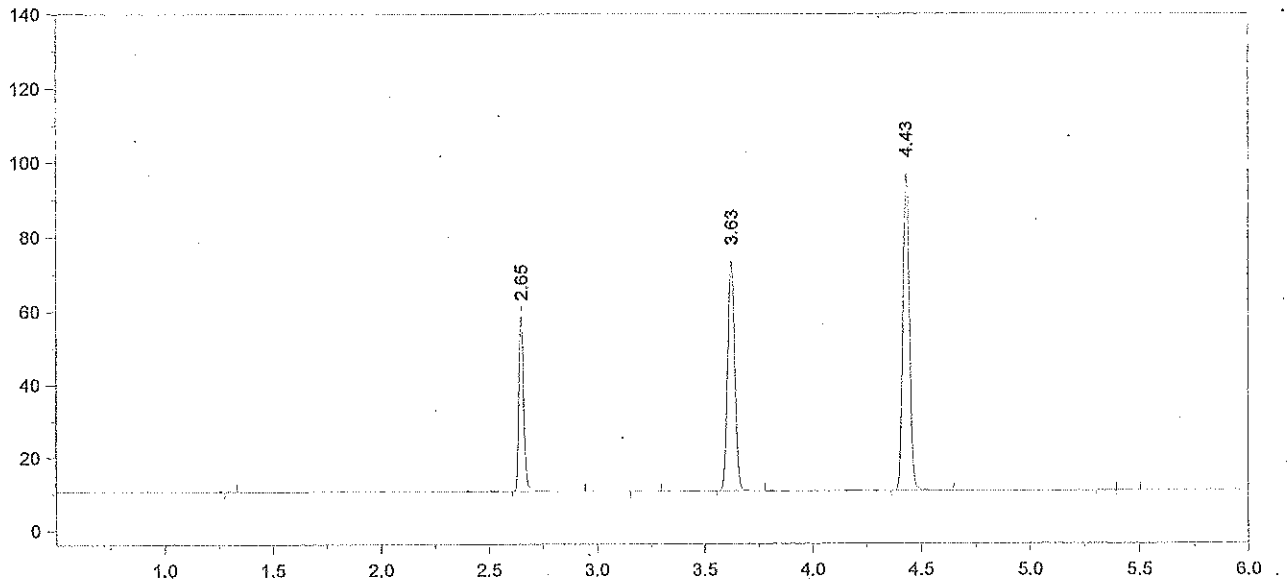


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015 Today's Time = 3:51:10 PM
Bound File Name = VFL07022015.0023.RAW
Sample Name = 0.100 DP
Date Taken = 7/2/2015 3:51:05 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120229	0.1223	0.0998
4	3.63	t-Butanol	142022	0.9938	0.8112
5	4.44	n-Propanol	187896	1.0000	0.8162

15-09-100 150 7/10/15



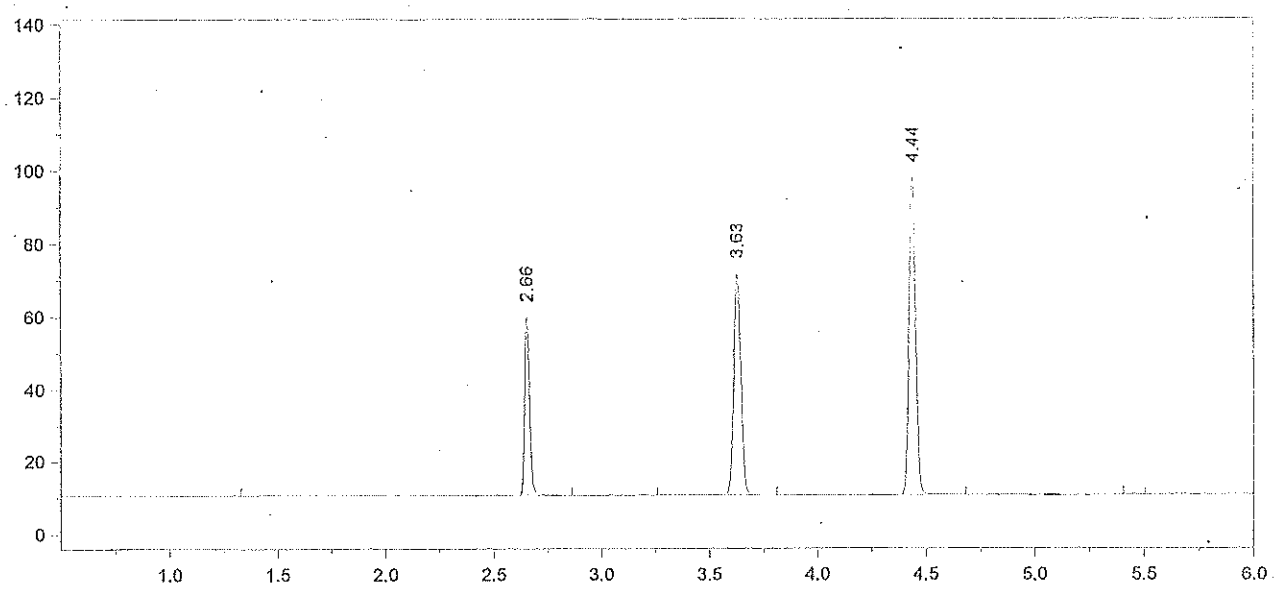
Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 4:07:45 PM
Bound File Name = VFL07022015.0024.RAW
Sample Name = CCS
Date Taken = 7/2/2015 4:07:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75544	0.0783
4	3.63	t-Butanol	144914	1.0362
5	4.43	n-Propanol	183311	1.0000

15-109-100

151
XB 7/10/15



Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 4:21:49 PM
Bound File Name = VFL07022015.0025.RAW
Sample Name = CCS
Date Taken = 7/2/2015 4:21:41 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77068	0.0788
4	3.63	t-Butanol	140583	0.9919
5	4.44	n-Propanol	185785	1.0000

CCS MEAN: 0.0785

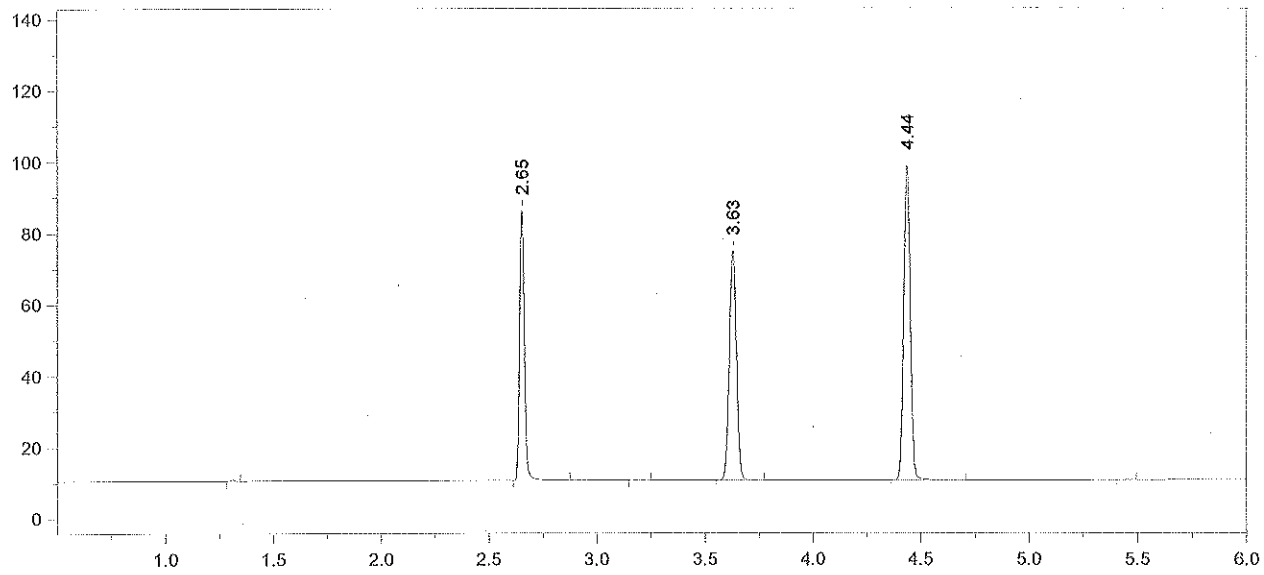
±5%. 0.0746 – 0.0824

Recovery: $\frac{0.078}{0.08}$ = 97.5%.

7/6/15

152

7/10/15



Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015
Bound File Name = VFL07022015.0026.RAW
Sample Name = 0.100 DP
Date Taken = 7/2/2015 4:39:27 PM
Method file = simsoln.met
Calibration file = VFL06252015.CAL

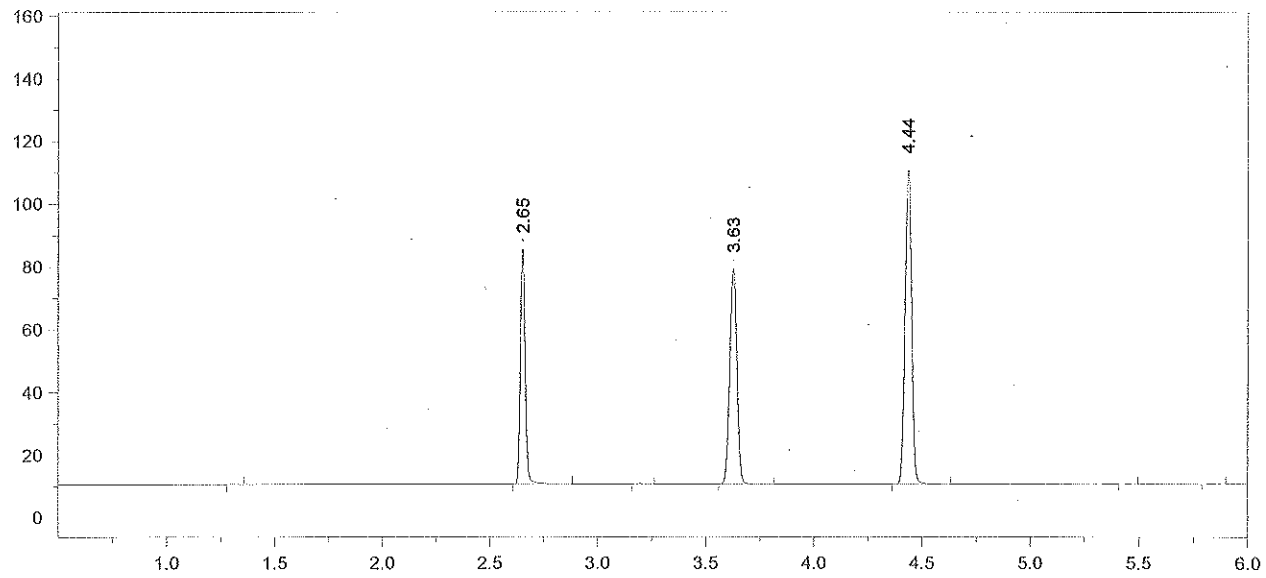
Today's Time = 4:39:36 PM

VDH Headspace Alcohol

Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	116995	0.1191	0.0972
4	3.63	t-Butanol	148881	1.0428	0.8511
5	4.44	n-Propanol	187721	1.0000	0.8162

153 AB
15-09-100 XA9 7/10/15 AB

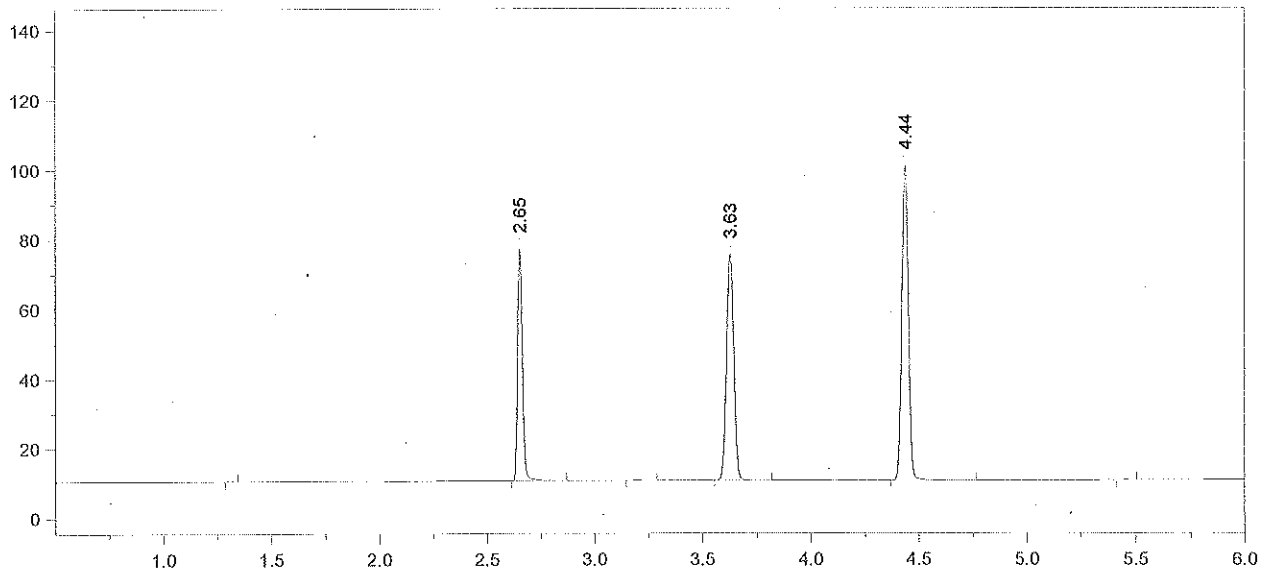


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015 Today's Time = 4:53:32 PM
Bound File Name = VFL07022015.0027.RAW
Sample Name = 0.100 AB
Date Taken = 7/2/2015 4:53:28 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	115815	0.1037	0.0847
4	3.63	t-Butanol	159628	0.9834	0.8027
5	4.44	n-Propanol	213428	1.0000	0.8162

15-109-100 154 NO 7/10/15

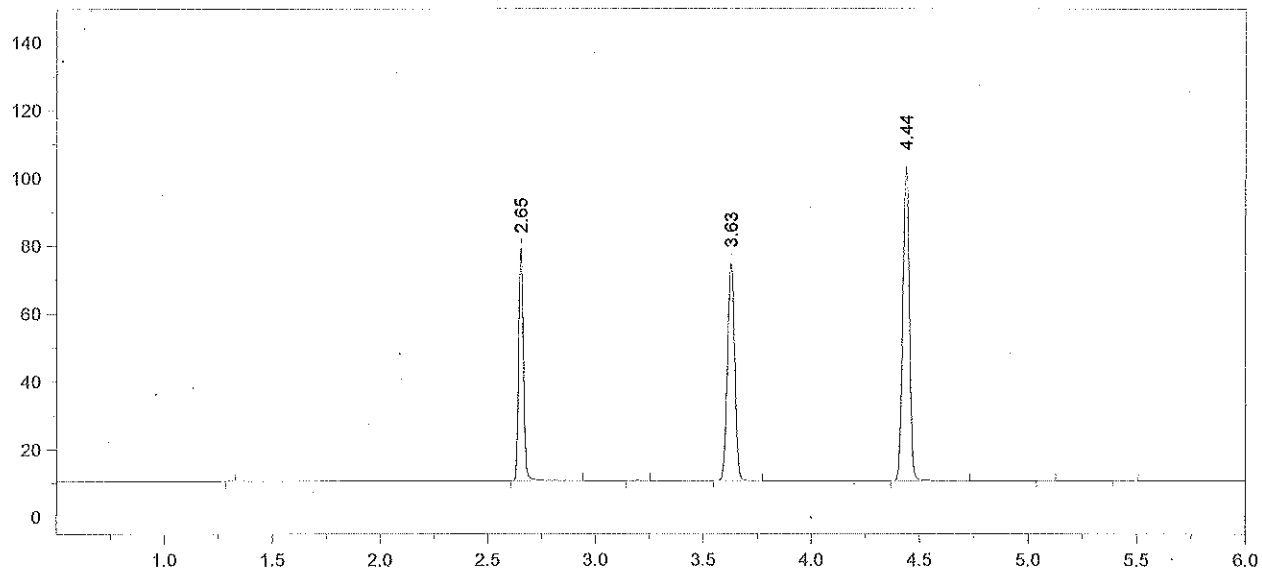


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015 Today's Time = 5:11:03 PM
Bound File Name = VFL07022015.0028.RAW
Sample Name = 0.100 AB
Date Taken = 7/2/2015 5:10:54 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	102937	0.1023	0.0835
4	3.63	t-Butanol	151034	1.0320	0.8423
5	4.44	n-Propanol	192428	1.0000	0.8162

15-09-100 155 AB 7/10/15 AB

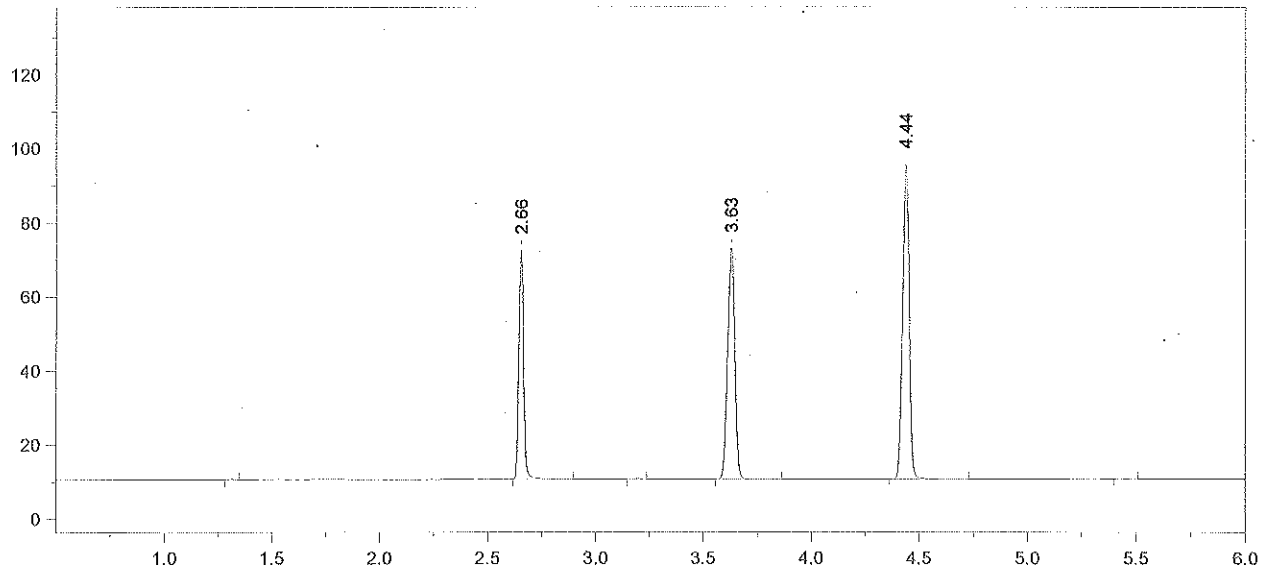


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015 Today's Time = 5:24:18 PM
Bound File Name = VFL07022015.0029.RAW
Sample Name = 0.100 AB
Date Taken = 7/2/2015 5:24:12 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	106170	0.1027	0.0838
4	3.63	t-Butanol	149472	0.9947	0.8119
5	4.44	n-Propanol	197575	1.0000	0.8162

15-09-100 156 7/10/15

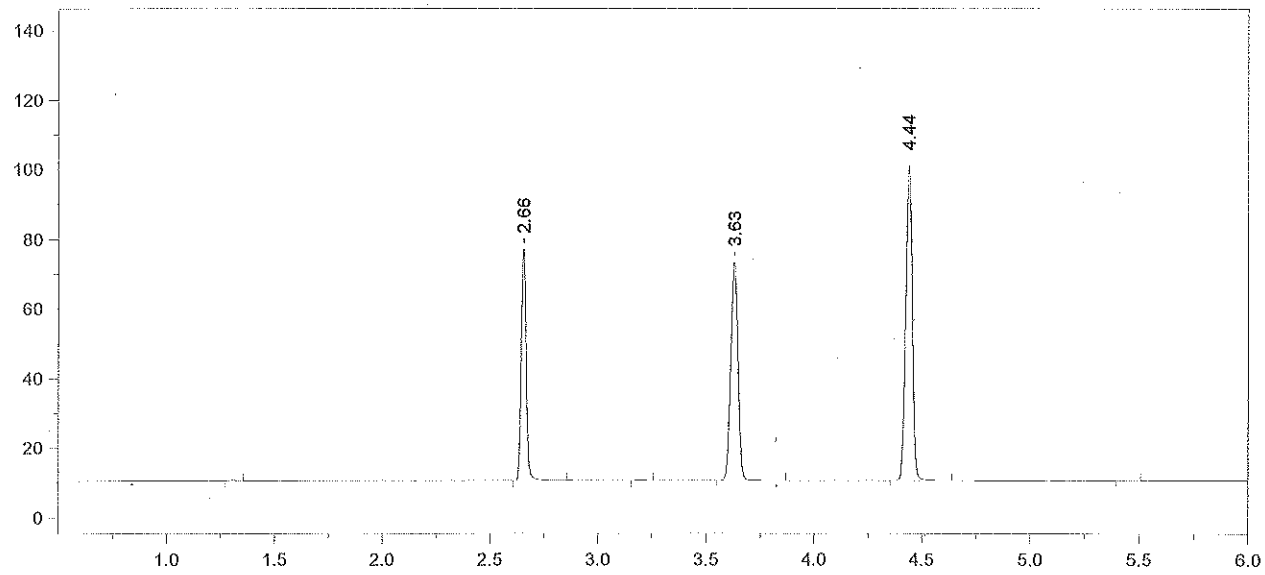


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015 Today's Time = 5:42:29 PM
Bound File Name = VFL07022015.0030.RAW
Sample Name = 0.100 AB
Date Taken = 7/2/2015 5:42:24 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	96530	0.1020	0.0833
4	3.63	t-Butanol	144242	1.0488	0.8560
5	4.44	n-Propanol	180833	1.0000	0.8162

15-09-100 157 HB 7/10/15 HB

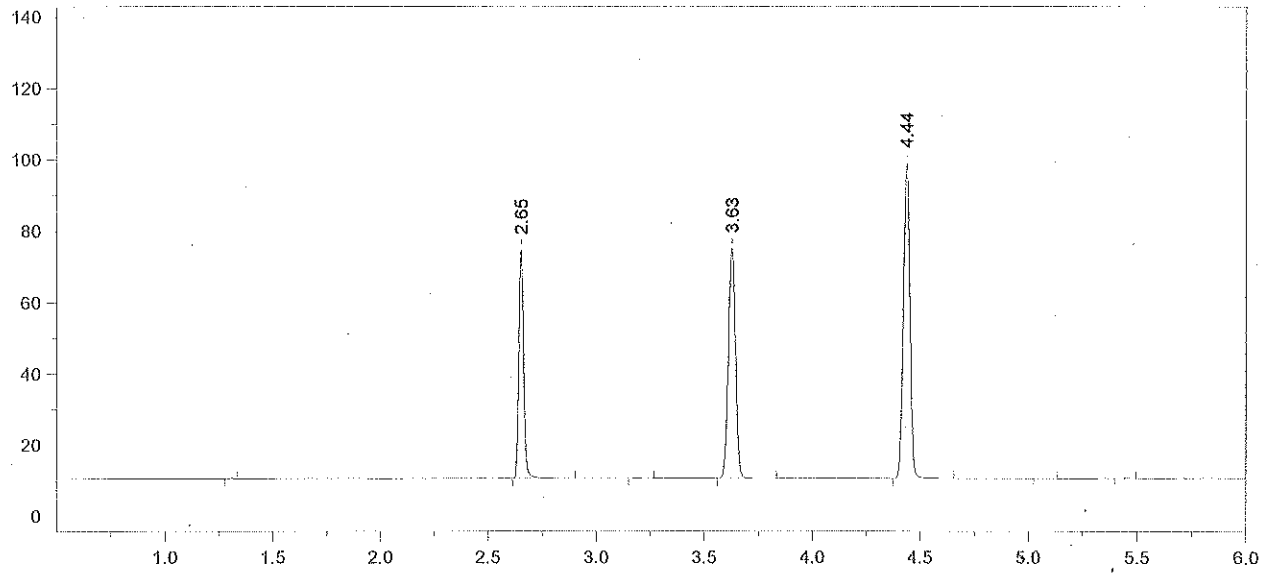


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015 Today's Time = 5:55:59 PM
Bound File Name = VFL07022015.0031.RAW
Sample Name = 0.100 AB
Date Taken = 7/2/2015 5:55:54 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	103252	0.1028	0.0839
4	3.63	t-Butanol	145843	0.9990	0.8154
5	4.44	n-Propanol	191949	1.0000	0.8162

158
AB 7/10/15
15-09-100 XY



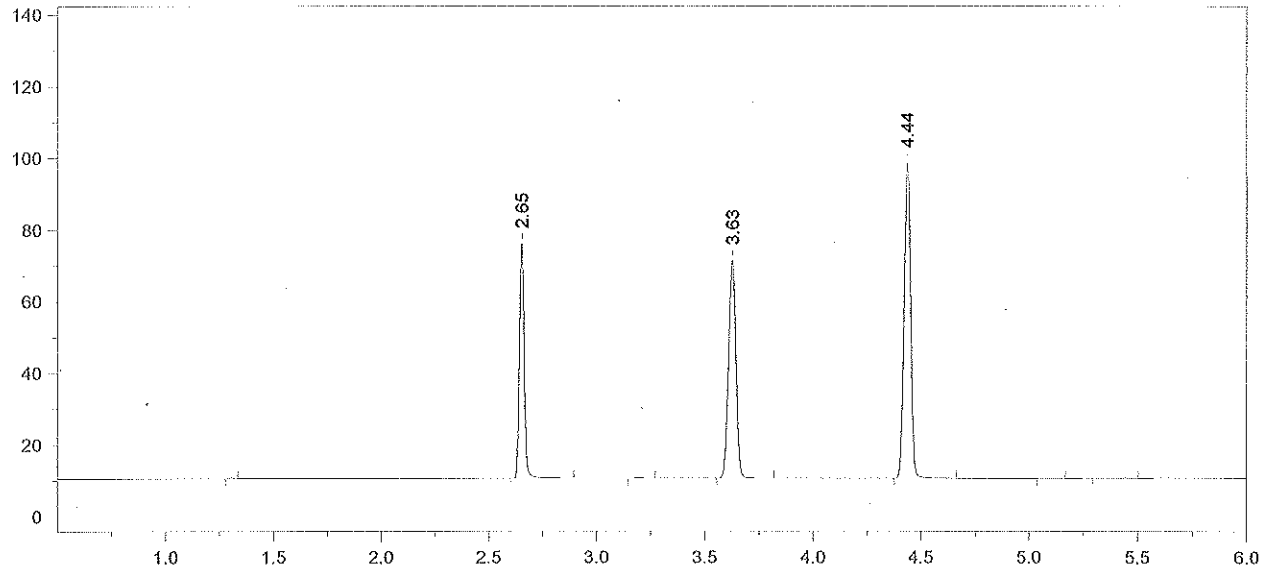
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015 Today's Time = 6:13:58 PM
Bound File Name = VFL07022015.0032.RAW
Sample Name = 0.100 AB
Date Taken = 7/2/2015 6:13:48 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	99222	0.1014	0.0828
4	3.63	t-Butanol	150051	1.0550	0.8611
5	4.44	n-Propanol	187006	1.0000	0.8162

15-09-100

159 AB
HS 7/10/15 AB



Format File Name = simsolnVFL.met.FMT

Today's Date = 7/2/2015
Bound File Name = VFL07022015.0033.RAW
Sample Name = 0.100 AB
Date Taken = 7/2/2015 6:27:44 PM
Method file = simsoln.met
Calibration file = VFL06252015.CAL

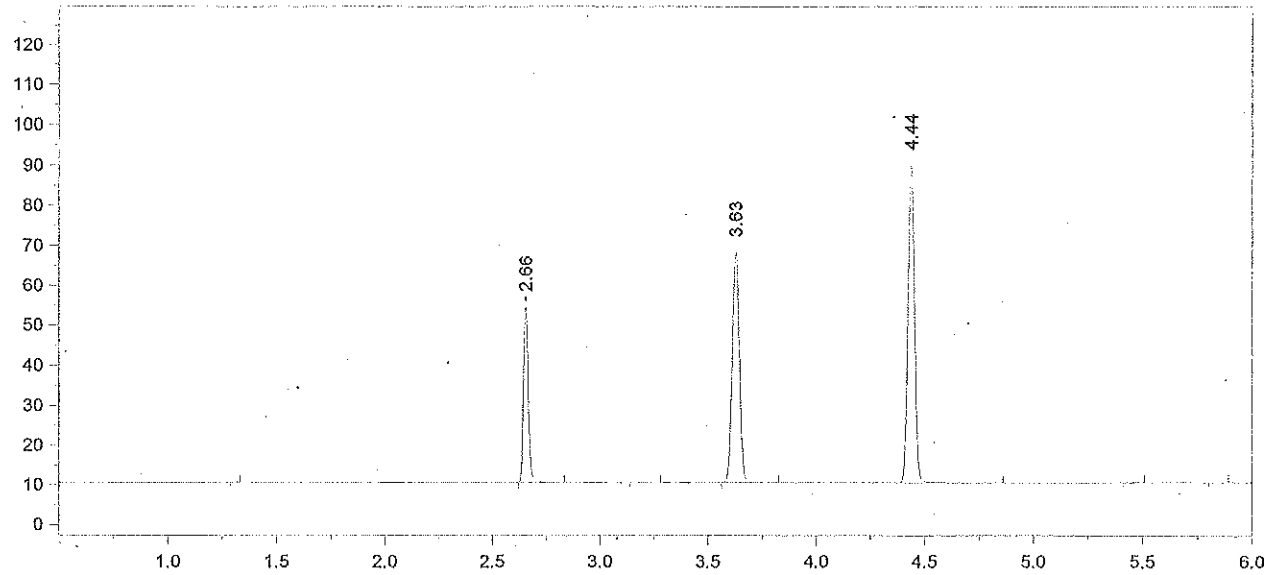
Today's Time = 6:27:51 PM

VDH Headspace Alcohol

Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	101387	0.1041	0.0850
4	3.63	t-Butanol	141066	0.9966	0.8134
5	4.44	n-Propanol	186120	1.0000	0.8162

160 AB
15-09-100 7/10/15 AB

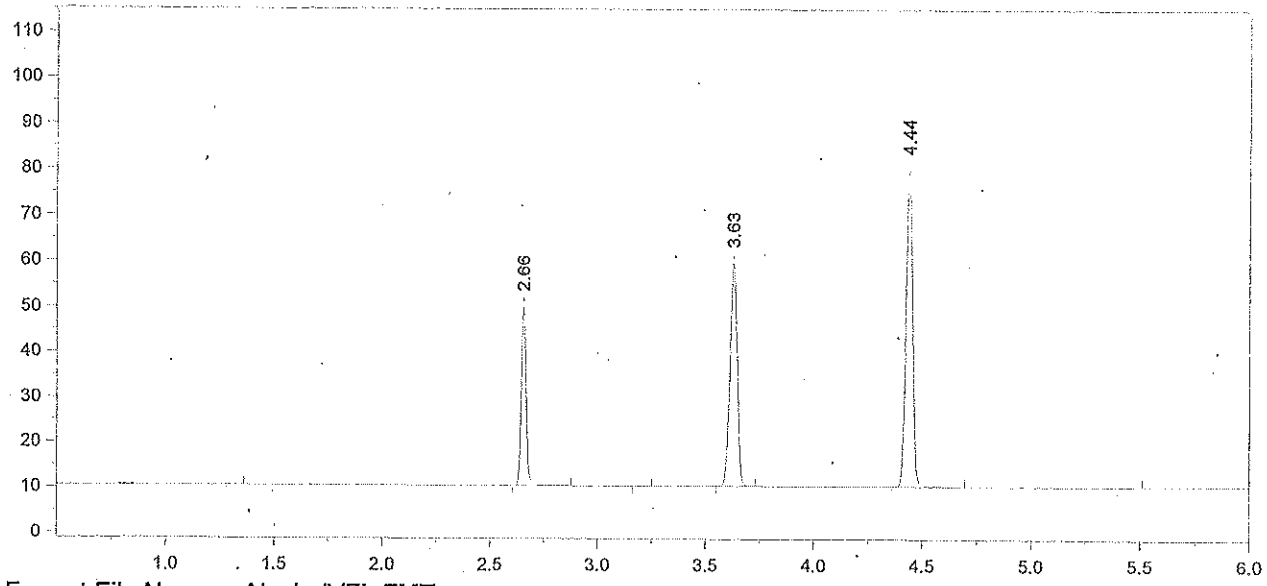


Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 6:45:18 PM
Bound File Name = VFL07022015.0034.RAW
Sample Name = CCS
Date Taken = 7/2/2015 6:45:15 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	68888	0.0774
4	3.63	t-Butanol	133378	1.0335
5	4.44	n-Propanol	169169	1.0000

161 AB
15-09-100 H7 7/10/15



Format File Name = AlcoholVFL.FMT

Today's Date = 7/2/2015
Today's Time = 6:59:22 PM
Bound File Name = VFL07022015.0035.RAW
Sample Name = CCS
Date Taken = 7/2/2015 6:59:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07022015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	61936	0.0790
4	3.63	t-Butanol	113099	0.9955
5	4.44	n-Propanol	148921	1.0000

CCS MEAN: 0.0782

±5%: 0.0743 - 0.0821

Recovery: $\frac{0.078}{0.08}$ = 97.5%

DP 7/6/15

15-09-140 7/10/15

ALB CAL VFL06252015
ALB/DJP Vials
Analyzed on 6/25/2015

0.0983	DJP
0.1010	
0.0980	
0.1005	
0.0977	
0.1011	
0.0993	
0.1011	ALB
0.0993	
0.1009	
0.0988	
0.1009	
0.0988	
0.1002	

Ave. =	0.0997
Std Dev. =	0.0012
Min. =	0.0977
Max. =	0.1011

DJP CAL VFL07022015
DJP/ALB Vials
Analyzed on 7/2/2015

0.0850	ALB
0.0828	
0.0839	
0.0833	
0.0838	
0.0835	
0.0847	
0.0972	DJP
0.0998	
0.0979	
0.0993	
0.0984	
0.1001	
0.0998	

Avg = 0.0838
AS 7/13/15

Ave. =	0.0914
Std Dev. =	0.0079
Min. =	0.0828
Max. =	0.1001

0.0972	
0.0998	
0.0979	
0.0993	
0.0984	
0.1001	
0.0998	

Ave. =	0.0989
Std Dev. =	0.0011
Min. =	0.0972
Max. =	0.1001

7/13/15 AS total average excluding run #2

Ave. =	0.0994
Std Dev. =	0.0012

±3 Sd range = 0.0958 - 0.1030

AS 7/13/15

15-09-100 163