VERMONT FORENSIC LABORATORY

SIMULATOR SOLUTION REVIEW CHECKLIST

SOLUTION TYPE AND VOLUME: 0.16 Certification Solution 2L

LOT NUMBER#: 15-03-160 **ANALYST:** AB

TECHNICAL REVIEWER: RLM **DATE:** 2/9/15

- ☑ QC done and complete?
- ☑ Pertinent standard lot numbers listed?
- ☑ Data package complete?
- ☑ Transcribed data and calculations verified?
- ☑ Calibration and control results all within ± 10% (± 20% for Std A) of the known values?
- ☑ Calibration line correlation factor at least 0.99xx?
- ☑ Average error for components of the calibration line less than 10%?
- ☑ Timing mix chromatogram demonstrates appropriate identification of components and separation from ethanol?
- ☑ Surrogate compound concentrations all within 0.900 to 1.100 range, inclusive?
- ☑ Statistical means of the continuing calibration check sample duplicate analysis all within +/- 10% of the known value?
- ☑ Calculated average within acceptable range of the target concentration for specific solution type?
- ☑ All individual readings within 3 standard deviations of the average for each run and for the total average?
- ☑ RPD <10%?

Comments:

ADMINISTRATIVE REVIEWER: [signature] **DATE:** 2/9/2015

- ☒ Are all pages numbered and initialed on the Examination Documents?
- ☒ Solution lot number written on all pages?
- ☒ Is the Reagent Preparation Log filled out properly?
- ☒ Is the Certificate of Analysis filled out properly?
- ☒ Has a label sheet been created, and is it correct?

Comments:

Check Mark or X = pass, NA= Not Applicable

VERMONT FORENSIC LABORATORY

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

Certificate of Analysis of DataMaster Certification Solution

On 1/21/2015, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster Certification solution. The solution was prepared per standard laboratory practice and assigned the lot number 15-03-160 and an expiration date of 1/21/2016.

On 1/29/2015 and 2/5/2015, the solution was analyzed against calibration SIM01292015 and VFL02052015. Analysis of the solution was performed using headspace gas chromatography. The instrument was calibrated prior to analyses. It was found to have met required quality assurance performance specifications and was operating properly. Quality checks throughout the analytical process demonstrated that the instrument continued to operate properly.

This solution is certified as presenting 0.159 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

Dated at Waterbury, Vermont this 9th day of February, 2015.

Amanda Bolduc

VERMONT FORENSIC LABORATORY
Simulator Solution Worksheet

0.160 Certification Solution 2L
Lot # 15-03-160
Prepared 1/21/15 by RLM
Exp 1/21/16

ALB CAL SIM01292015
ALB/RLMVials
Analyzed on 1/29/15

0.1604	ALB
0.1629	
0.1604	
0.1640	
0.1603	
0.1630	
0.1582	
0.1622	RLM
0.1578	
0.1598	
0.1569	
0.1600	
0.1577	
0.1627	

Ave. =	0.1605
Std Dev. =	0.0023
Min. =	0.1569
Max. =	0.1640

AQ QC Manf.	Cerilliant
AQ QC Lot #	FN011712-02
Cal Std A Lot #	FN01131401
Cal Std B Lot #	FN092710-01
Cal Std C Lot #	FN021111-03
Cal Std D Lot #	FN032712-01
Cal Std E Lot #	FN012712-01
Int Std Lot #	IS-01132015
TMX Lot #	TMX-08112014
Blank Lot #	BL-01162015

ALB CAL VFL02052015
ALB/TLC Vials
Analyzed on 2/5/15

0.1566	ALB
0.1616	
0.1606	
0.1624	
0.1573	
0.1617	
0.1570	
0.1588	TLC
0.1557	
0.1597	
0.1569	
0.1601	
0.1551	
0.1593	

Ave. =	0.1588
Std Dev. =	0.0024
Min. =	0.1551
Max. =	0.1624

AQ QC Manf.	Cerilliant
AQ QC Lot #	FN021111-03
Cal Std A Lot #	FN01131401
Cal Std B Lot #	FN092710-01
Cal Std C Lot #	FN05211402
Cal Std D Lot #	FN032712-01
Cal Std E Lot #	FN012712-01
Int Std Lot #	IS-01132015
TMX Lot #	TMX-08112014
Blank Lot #	BL-01162015

AB 2/6/15

Total Values from Both Runs

Average	**Mean**
0.1604	0.1551
0.1629	0.1557
0.1604	0.1566
0.1640	0.1569
0.1603	
0.1630	0.1570
0.1582	0.1573
0.1622	0.1577
0.1578	0.1578
0.1598	0.1582
0.1569	0.1588
0.1600	0.1593
0.1577	0.1597
0.1627	0.1598
0.1566	0.1600
0.1616	0.1601
0.1606	0.1603
0.1624	0.1604
0.1573	
0.1617	0.1606
0.1570	0.1616
0.1588	0.1617
0.1557	0.1622
0.1597	0.1624
0.1569	0.1627
0.1601	0.1629
0.1551	0.1630
0.1593	0.1640

Ave. =	0.1596
Avg Std Dev. =	0.0024
Mean =	0.1597
Mean Std Dev. =	0.0025
Min. =	0.1551
Max =	0.1640
RPD =	5.58%

File Name = C:\Alcohol Data\VFL01292015\VFL01292015.SEQ
Version = 2
File Date = 1/30/2015 8:01:37 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL01292015.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL01292015.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL01292015.0003.raw	Blood Alc temp VFL.MET	Std A	1.00	1.00
4	VFL01292015.0004.raw	Blood Alc temp VFL.MET	Std B	1.00	1.00
5	VFL01292015.0005.raw	Blood Alc temp VFL.MET	Std C	1.00	1.00
6	VFL01292015.0006.raw	Blood Alc temp VFL.MET	Std D	1.00	1.00
7	VFL01292015.0007.raw	Blood Alc temp VFL.MET	Std E	1.00	1.00
8	VFL01292015.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	VFL01292015.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	VFL01292015.0010.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
11	VFL01292015.0011.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
12	VFL01292015.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL01292015.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL01292015.0014.raw	Blood Alc temp VFL.MET	V15-120 A1-1	1.00	1.00
15	VFL01292015.0015.raw	Blood Alc temp VFL.MET	V15-120 A1-1	1.00	1.00
16	VFL01292015.0016.raw	Blood Alc temp VFL.MET	V15-134 A1-1	1.00	1.00
17	VFL01292015.0017.raw	Blood Alc temp VFL.MET	V15-134 A1-1	1.00	1.00
18	VFL01292015.0018.raw	Blood Alc temp VFL.MET	V15-140 A1-2	1.00	1.00
19	VFL01292015.0019.raw	Blood Alc temp VFL.MET	V15-140 A1-2	1.00	1.00
20	VFL01292015.0020.raw	Blood Alc temp VFL.MET	V15-141 A1-1	1.00	1.00
21	VFL01292015.0021.raw	Blood Alc temp VFL.MET	V15-141 A1-1	1.00	1.00
22	VFL01292015.0022.raw	Blood Alc temp VFL.MET	V15-158 A1-1	1.00	1.00
23	VFL01292015.0023.raw	Blood Alc temp VFL.MET	V15-158 A1-1	1.00	1.00
24	VFL01292015.0024.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
25	VFL01292015.0025.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
26	VFL01292015.0026.raw	simsoln.met	0.16 Sim ALB	1.00	1.00
27	VFL01292015.0027.raw	simsoln.met	0.16 Sim ALB	1.00	1.00
28	VFL01292015.0028.raw	simsoln.met	0.16 Sim ALB	1.00	1.00
29	VFL01292015.0029.raw	simsoln.met	0.16 Sim ALB	1.00	1.00
30	VFL01292015.0030.raw	simsoln.met	0.16 Sim ALB	1.00	1.00
31	VFL01292015.0031.raw	simsoln.met	0.16 Sim ALB	1.00	1.00
32	VFL01292015.0032.raw	simsoln.met	0.16 Sim ALB	1.00	1.00
33	VFL01292015.0033.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
34	VFL01292015.0034.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
35	VFL01292015.0035.raw	simsoln.met	0.16 Sim RLM	1.00	1.00
36	VFL01292015.0036.raw	simsoln.met	0.16 Sim RLM	1.00	1.00
37	VFL01292015.0037.raw	simsoln.met	0.16 Sim RLM	1.00	1.00
38	VFL01292015.0038.raw	simsoln.met	0.16 Sim RLM	1.00	1.00
39	VFL01292015.0039.raw	simsoln.met	0.16 Sim RLM	1.00	1.00
40	VFL01292015.0040.raw	simsoln.met	0.16 Sim RLM	1.00	1.00
41	VFL01292015.0041.raw	simsoln.met	0.16 Sim RLM	1.00	1.00
42	VFL01292015.0042.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
43	VFL01292015.0043.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
44	VFL01292015.0044.raw	Blood Alc temp VFL.MET	CCS 01302015	1.00	1.00
45	VFL01292015.0045.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
46	VFL01292015.0046.raw	Blood Alc temp VFL.MET	V15-141 A1-1	1.00	1.00
47	VFL01292015.0047.raw	Blood Alc temp VFL.MET	V15-141 A1-1	1.00	1.00
48	VFL01292015.0048.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
49	VFL01292015.0049.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

case work not included 2/6/15 AB

case work not included AB 2/6/15

Samples run w/in 24hrs of cal AB 2/6/15

15-03-160 2 AB

File Name: C:\Methods\SIM01292015.CAL
Version: 7

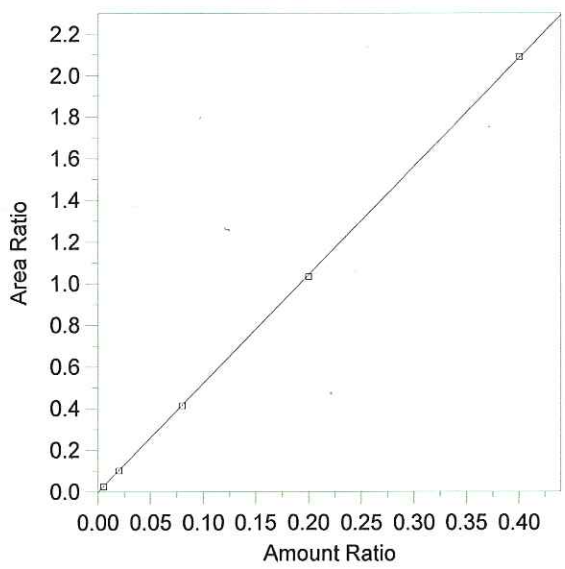
Creator:
Description:
Reason for change:

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

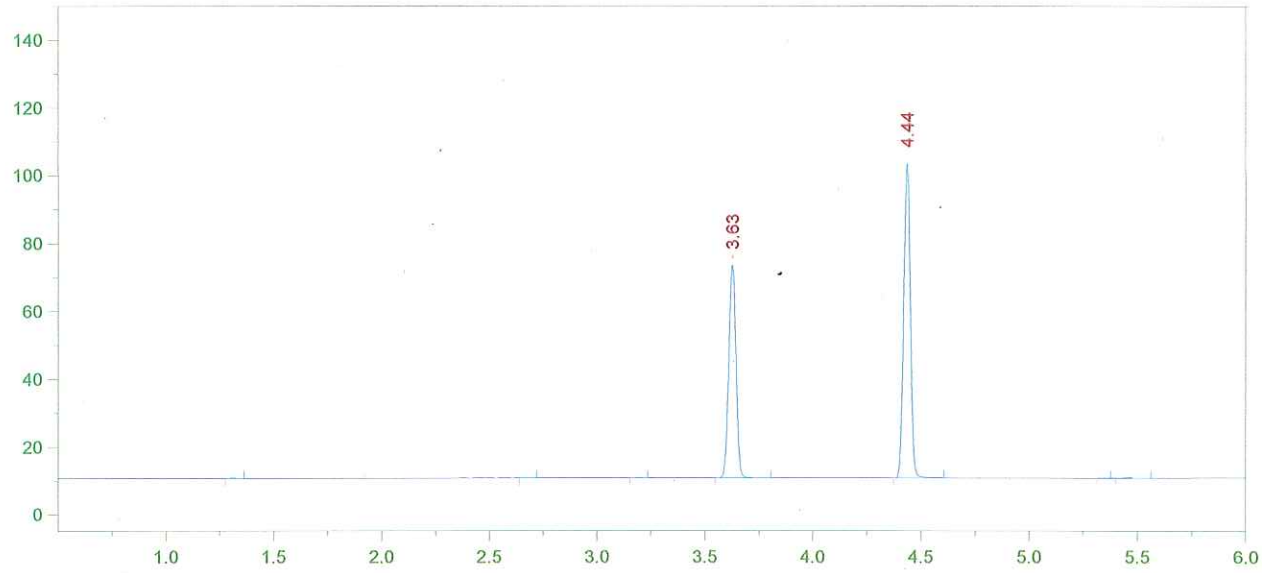
Y = 5.210093 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999617
Average error:	1.011%
Average CF:	5.175071
RSD:	1.355%

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	4626.613	925322.6	0.612	0.005	2.620991E-02	C:\Alcohol Data\VFL01292015\VFL01292015.0003.BND	1/29/2015 12:38:59 PM
3	0.02	19667.45	983372.5	-2.846	0.02	0.1012359	C:\Alcohol Data\VFL01292015\VFL01292015.0004.BND	1/29/2015 12:55:34 PM
4	0.08	75713.42	946417.8	-0.534	0.08	0.4145807	C:\Alcohol Data\VFL01292015\VFL01292015.0005.BND	1/29/2015 1:09:46 PM
5	0.2	200145.1	1000725	-0.828	0.2	1.033393	C:\Alcohol Data\VFL01292015\VFL01292015.0006.BND	1/29/2015 1:27:01 PM
6	0.4	380930.4	952326	0.235	0.4	2.088942	C:\Alcohol Data\VFL01292015\VFL01292015.0007.BND	1/29/2015 1:41:49 PM

15-03-160 3 AB

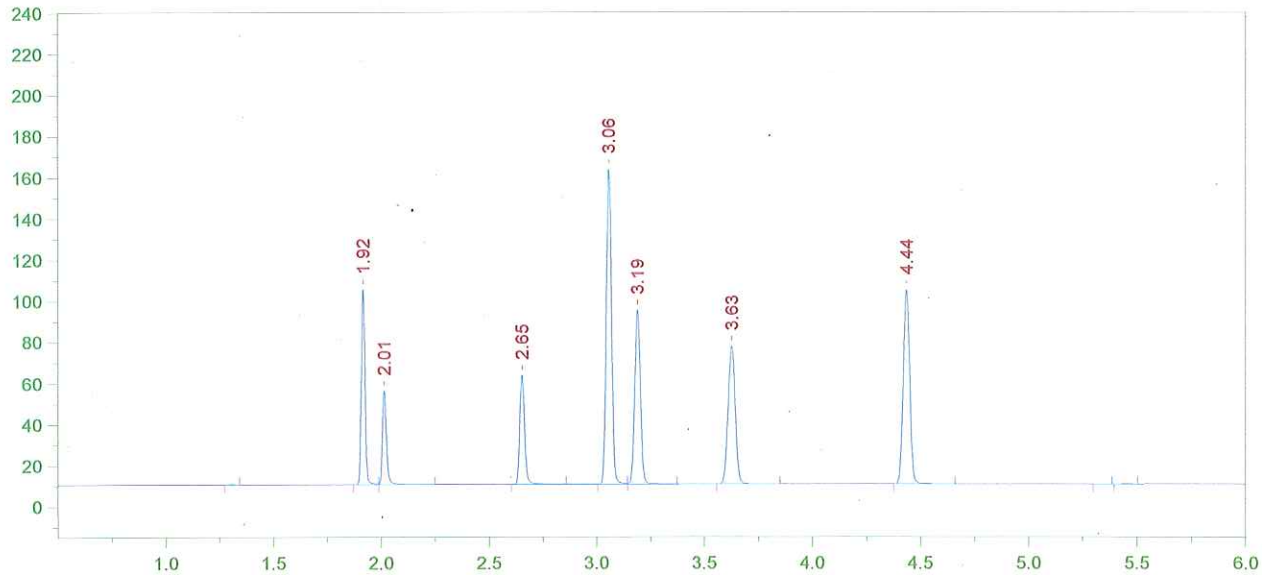


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:52:53 PM
Bound File Name = VFL01292015.0001.RAW
Sample Name = Blank
Date Taken = 1/29/2015 12:09:07 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.63	t-Butanol	146371	0.9723
5	4.44	n-Propanol	196302	1.0000

15-03-160 4 dB

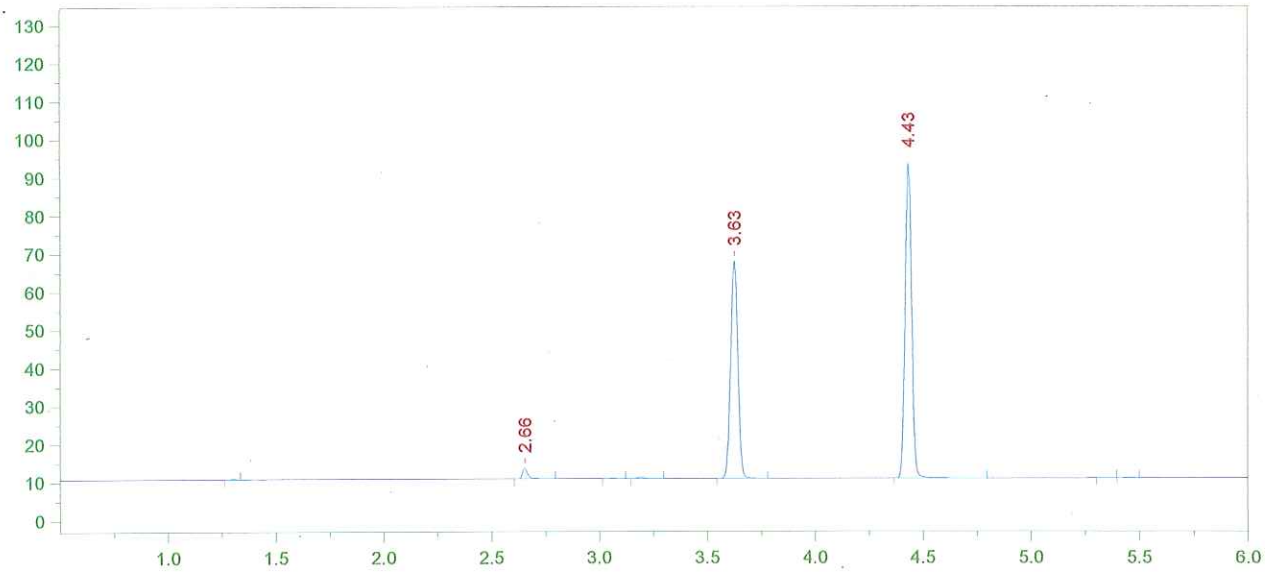


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:53:02 PM
Bound File Name = VFL01292015.0002.RAW
Sample Name = TMX
Date Taken = 1/29/2015 12:23:45 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	111193	0.0695
3	2.01	Methanol	58512	0.1232
4	2.65	Ethanol	82562	0.0791
5	3.06	Acetone	263214	0.0657
6	3.19	Isopropanol	158856	0.0848
7	3.63	t-Butanol	156526	1.0182
8	4.44	n-Propanol	200447	1.0000

15-03-160 5 SB

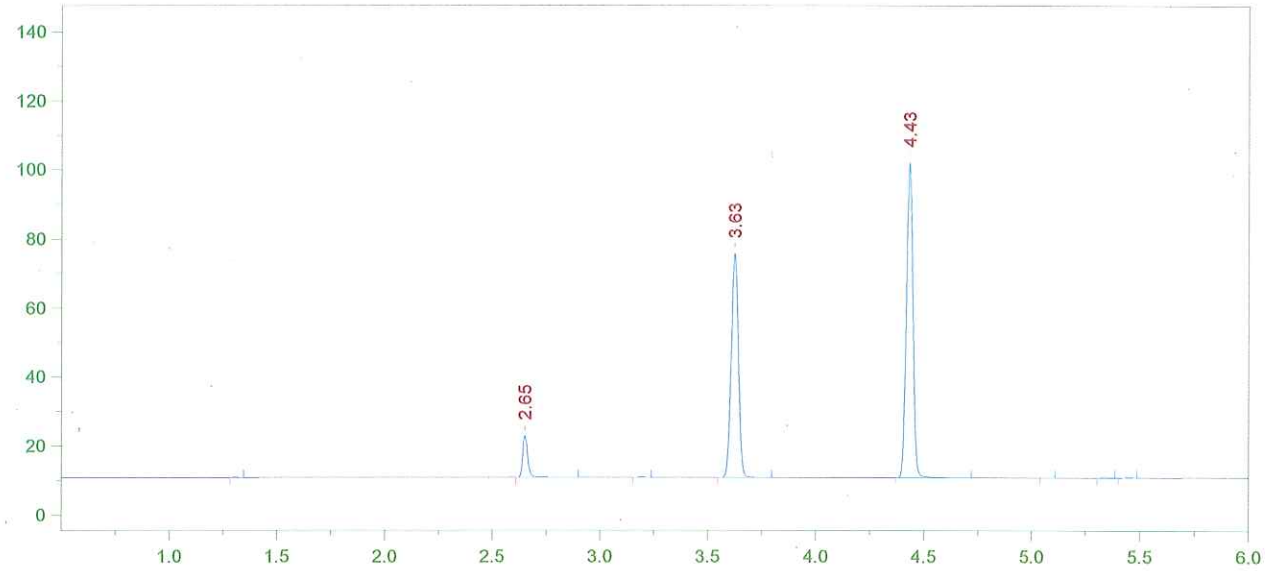


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:53:08 PM
Bound File Name = VFL01292015.0003.RAW
Sample Name = Std A
Date Taken = 1/29/2015 12:38:51 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	04627	0.0050
5	3.63	t-Butanol	132436	0.9783
6	4.43	n-Propanol	176522	1.0000

15-03-160 6 SB

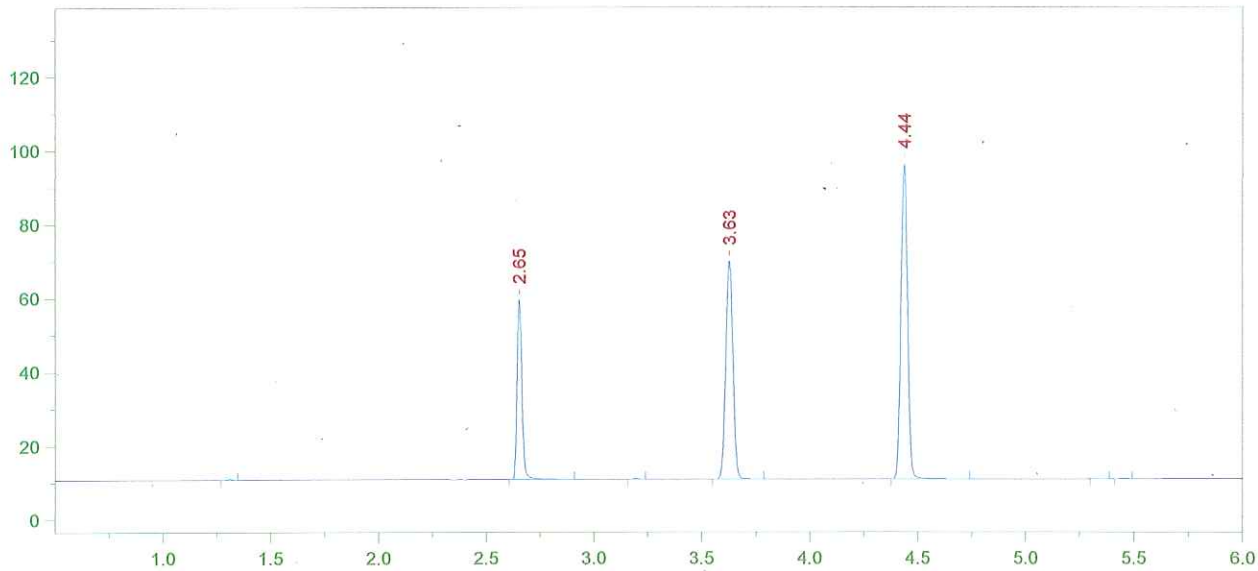


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:53:14 PM
Bound File Name = VFL01292015.0004.RAW
Sample Name = Std B
Date Taken = 1/29/2015 12:55:25 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	19667	0.0194
4	3.63	t-Butanol	151243	1.0151
5	4.43	n-Propanol	194274	1.0000

15-03-160 7 SKB

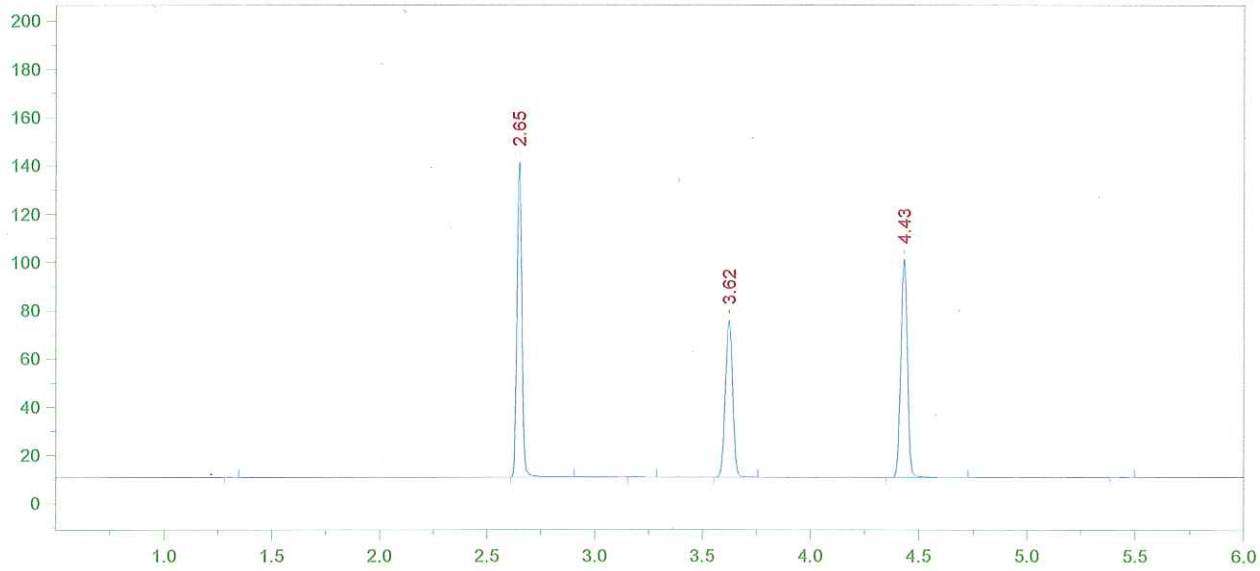


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:53:21 PM
Bound File Name = VFL01292015.0005.RAW
Sample Name = Std C
Date Taken = 1/29/2015 1:09:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75713	0.0796
4	3.63	t-Butanol	137517	0.9819
5	4.44	n-Propanol	182627	1.0000

15-03-160 8 AB

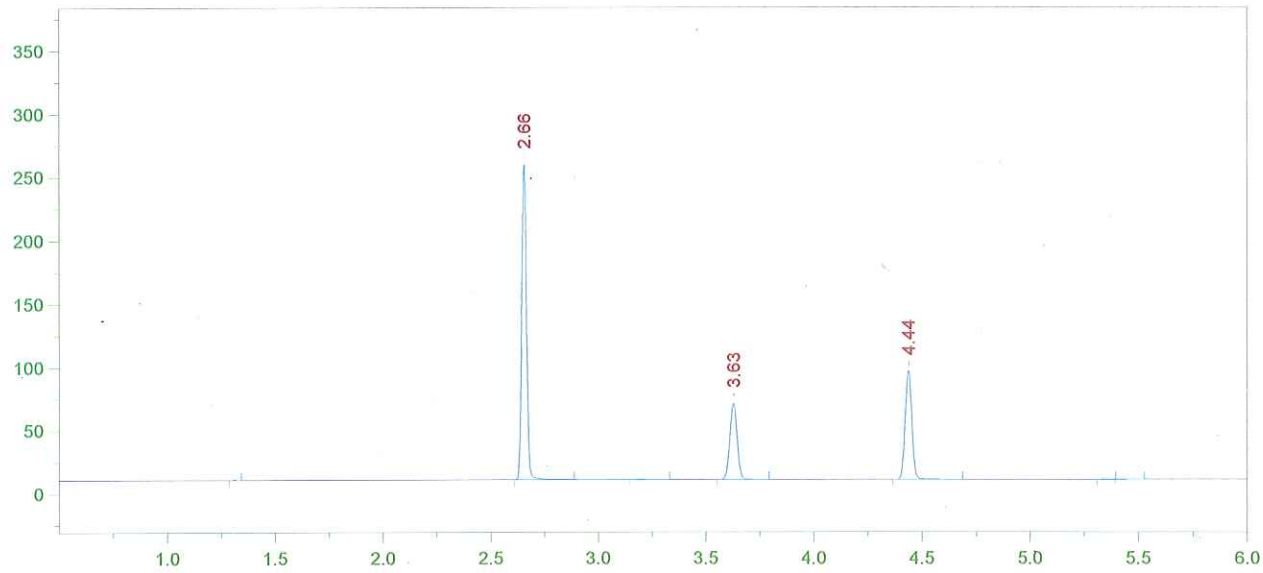


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:53:28 PM
Bound File Name = VFL01292015.0006.RAW
Sample Name = Std D
Date Taken = 1/29/2015 1:26:52 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	200145	0.1983
4	3.62	t-Butanol	150179	1.0111
5	4.43	n-Propanol	193678	1.0000

15-03-160 9 SB

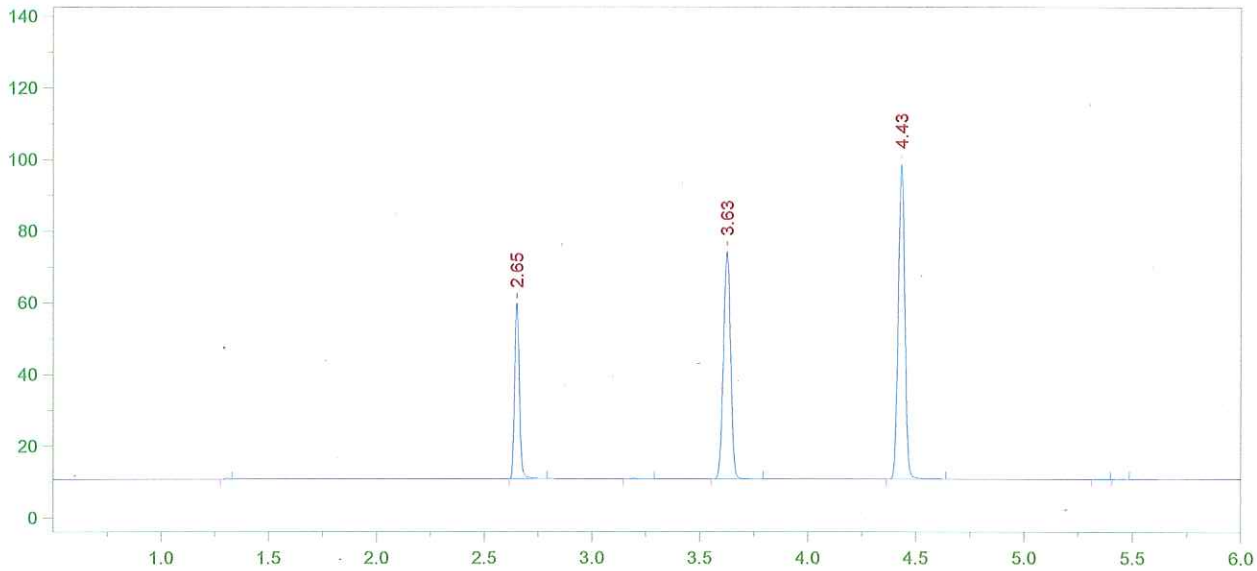


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:53:34 PM
Bound File Name = VFL01292015.0007.RAW
Sample Name = Std E
Date Taken = 1/29/2015 1:41:39 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	380930	0.4009
4	3.63	t-Butanol	139199	0.9954
5	4.44	n-Propanol	182356	1.0000

15-03-160 10 SB

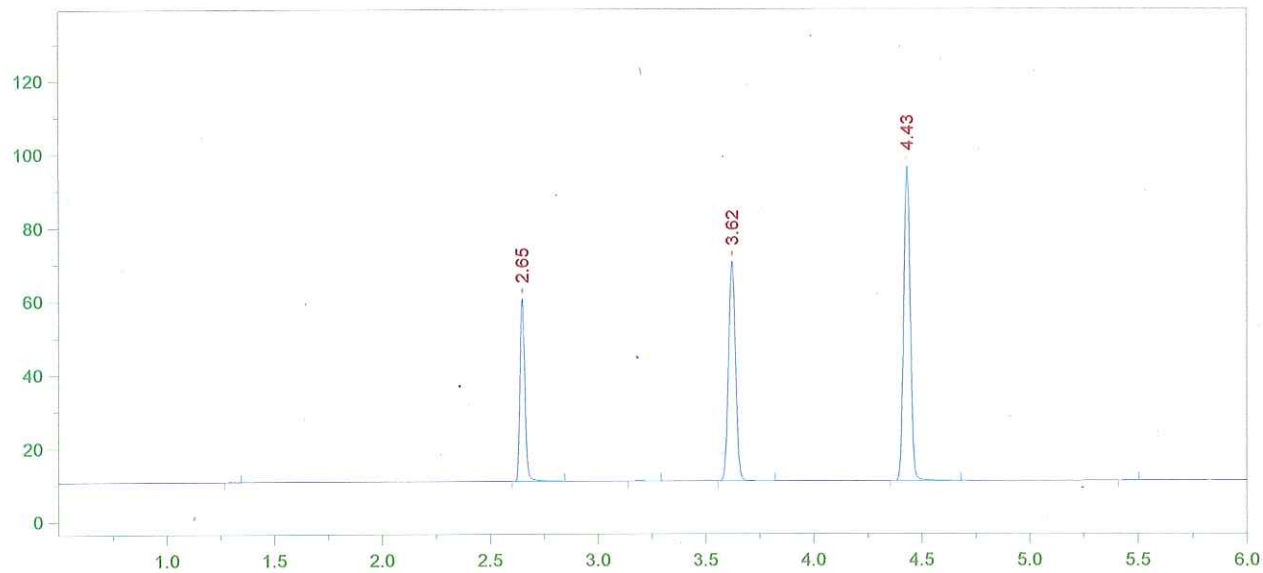


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 1:58:20 PM
Bound File Name = VFL01292015.0008.RAW
Sample Name = AQ QC
Date Taken = 1/29/2015 1:58:16 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76392	0.0788
4	3.63	t-Butanol	147154	1.0312
5	4.43	n-Propanol	186067	1.0000

15-03-160 11 AB



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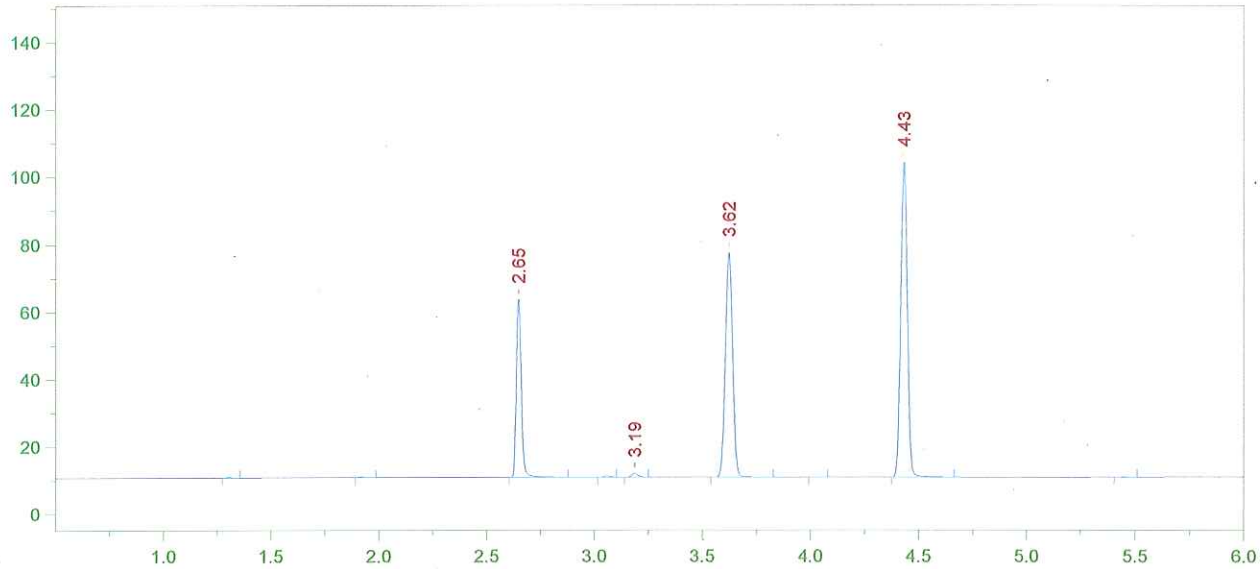
Today's Time = 2:12:27 PM
Bound File Name = VFL01292015.0009.RAW
Sample Name = AQ QC
Date Taken = 1/29/2015 2:12:19 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77231	0.0808
4	3.62	t-Butanol	138894	0.9873
5	4.43	n-Propanol	183440	1.0000

Avg vals 8+9 = 0.080
TV= 0.080 100% recovery 1/30/15 AB

15-03-160 12 AB

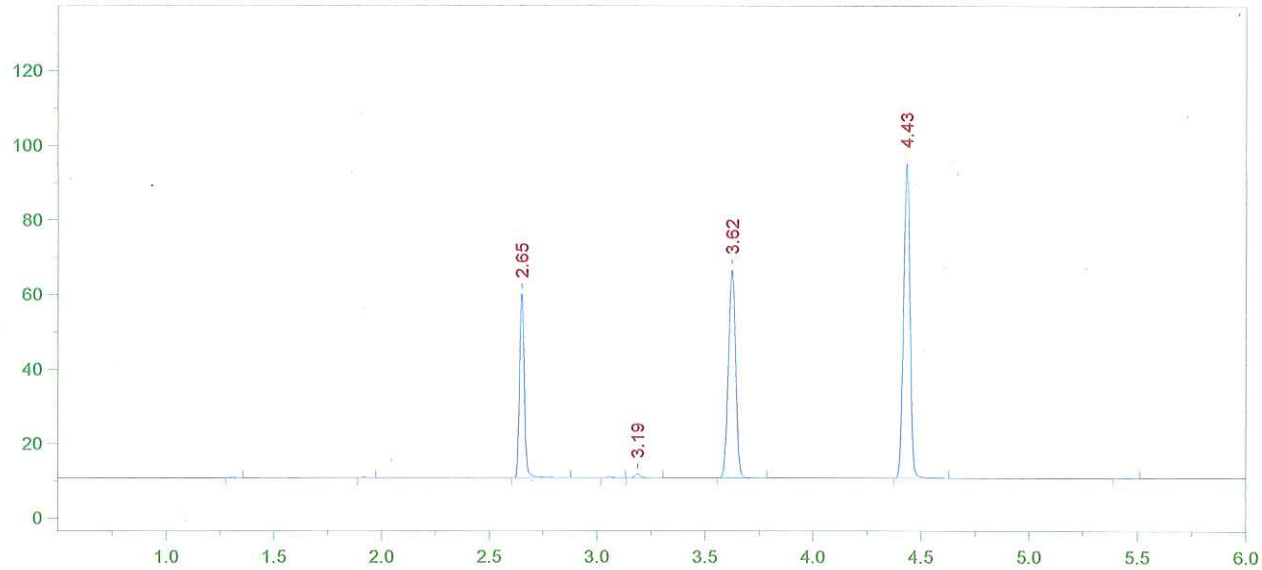


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:28:07 PM
Bound File Name = VFL01292015.0010.RAW
Sample Name = WB QC
Date Taken = 1/29/2015 2:27:58 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	82382	0.0790
5	3.19	Isopropanol	02314	<0.004
6	3.62	t-Butanol	154218	1.0051
8	4.43	n-Propanol	200077	1.0000

15-03-160 13 AB



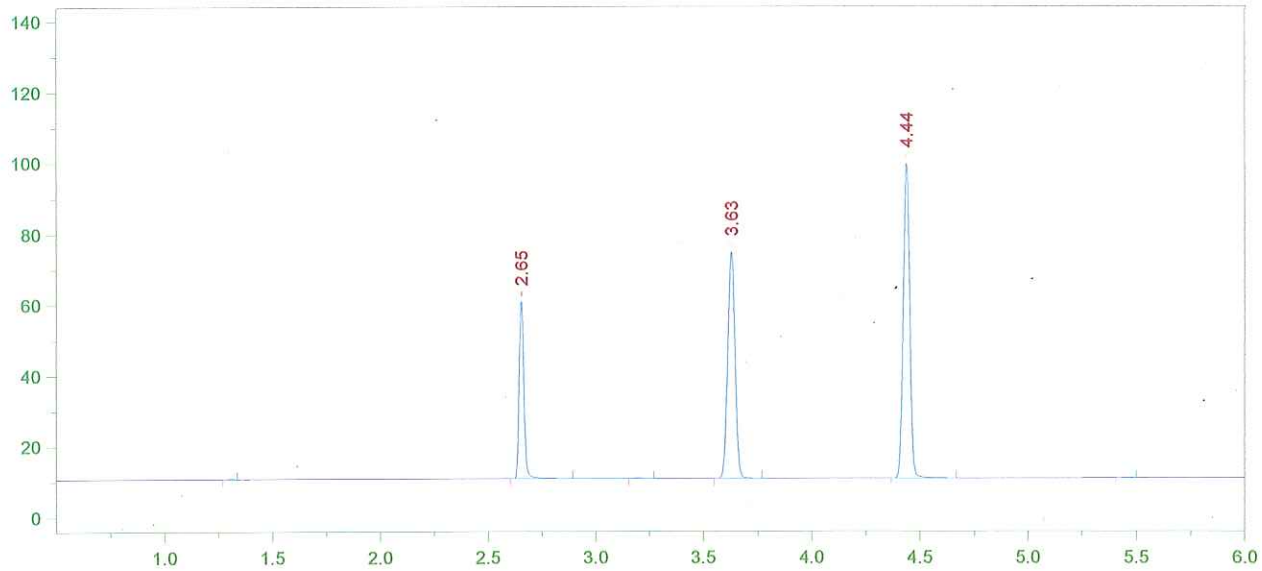
Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:44:42 PM
Bound File Name = VFL01292015.0011.RAW
Sample Name = WB QC
Date Taken = 1/29/2015 2:44:34 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	77098	0.0825
5	3.19	Isopropanol	02186	<0.004
6	3.62	t-Butanol	129626	0.9421
7	4.43	n-Propanol	179415	1.0000

Avg vials 10 + 11 = 0.081
TV = 0.080 101% recovery
lot # Cliniqa 1212090 1/30/15 AB
2/9/15 AB

15-03-160 14 AB

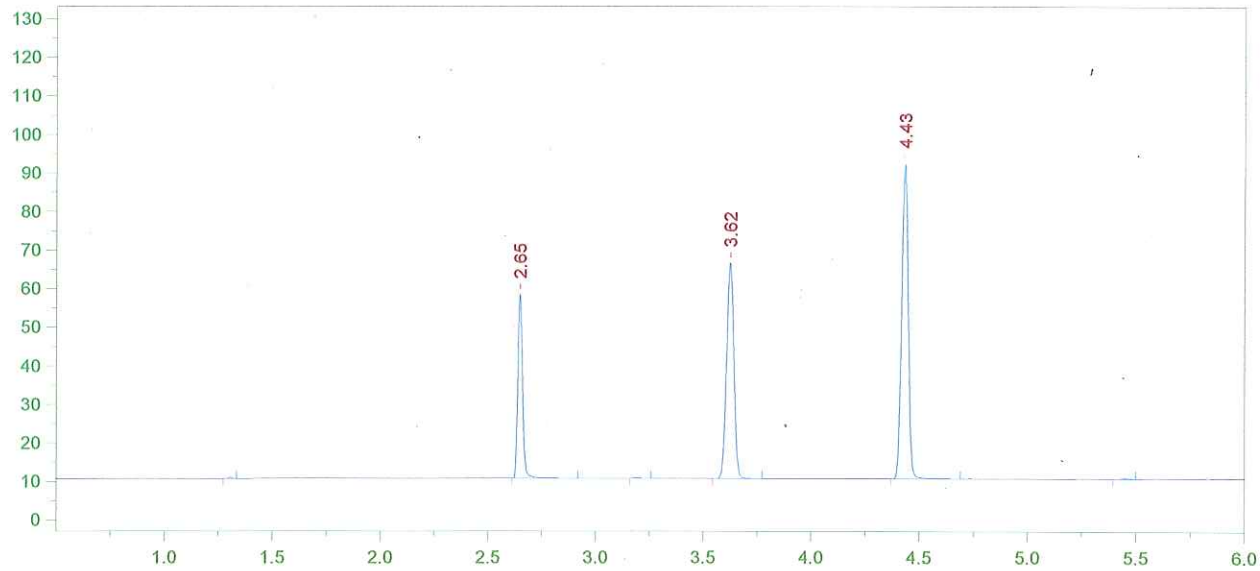


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 2:59:38 PM
Bound File Name = VFL01292015.0012.RAW
Sample Name = CCS
Date Taken = 1/29/2015 2:59:32 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78708	0.0801
4	3.63	t-Butanol	148382	1.0260
5	4.44	n-Propanol	188572	1.0000

15-03-160 15 SKB



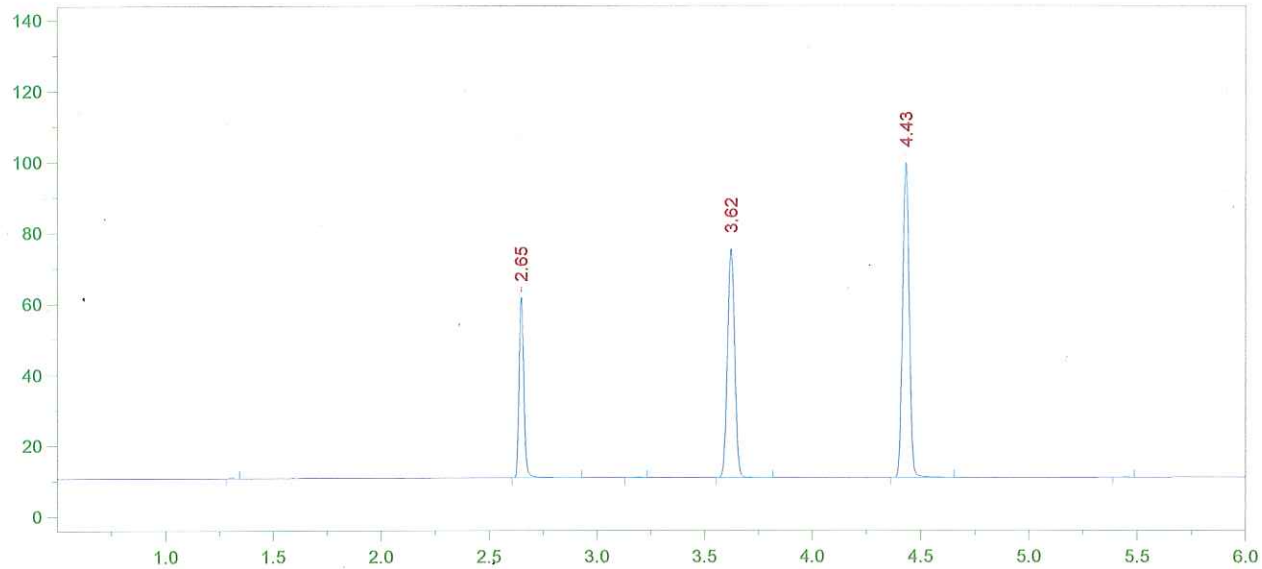
Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 3:15:57 PM
Bound File Name = VFL01292015.0013.RAW
Sample Name = CCS
Date Taken = 1/29/2015 3:15:53 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	74468	0.0822
4	3.62	t-Butanol	129790	0.9728
5	4.43	n-Propanol	173967	1.0000

Avg vals 12 + 13 = 0.081
1/30/15 AB

15-03-160 16 AB

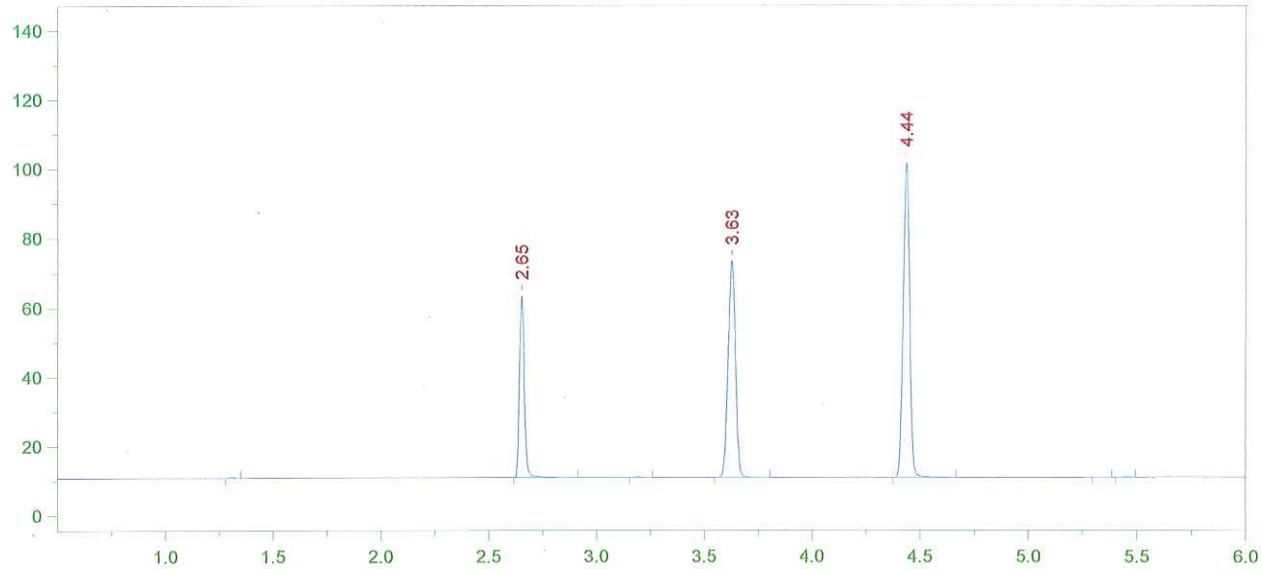


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 6:08:01 PM
Bound File Name = VFL01292015.0024.RAW
Sample Name = CCS
Date Taken = 1/29/2015 6:07:53 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79081	0.0801
4	3.62	t-Butanol	149837	1.0314
5	4.43	n-Propanol	189433	1.0000

15-03-160 17 AB



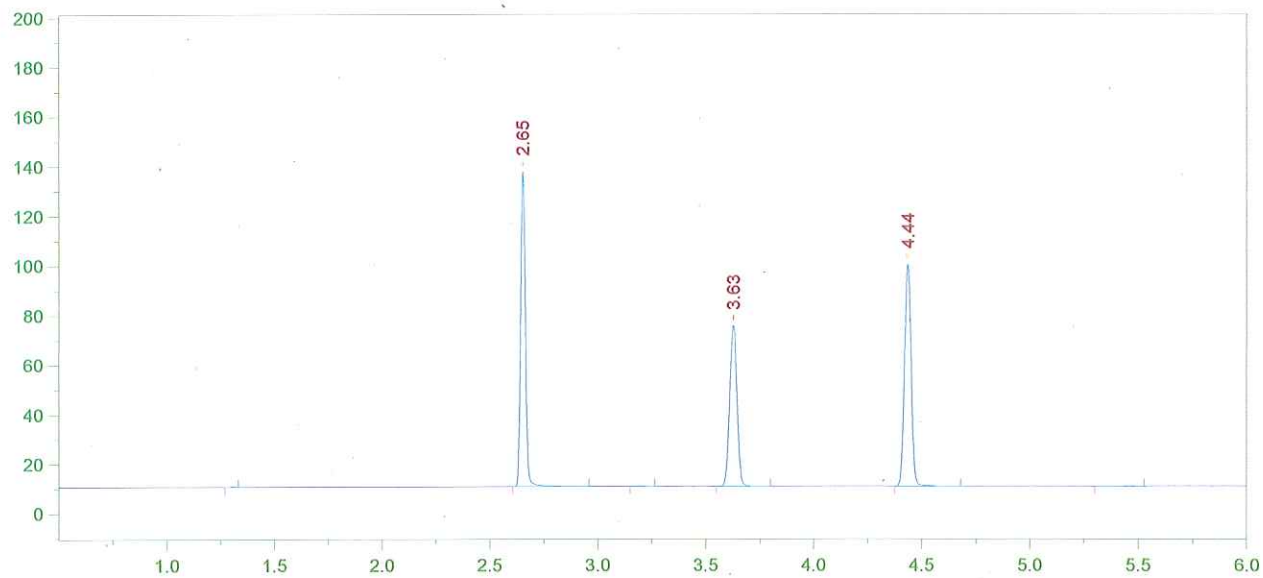
Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 6:22:30 PM
Bound File Name = VFL01292015.0025.RAW
Sample Name = CCS
Date Taken = 1/29/2015 6:22:21 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82044	0.0816
4	3.63	t-Butanol	145542	0.9835
5	4.44	n-Propanol	192968	1.0000

Avg vals 24 + 25 = 0.081
1/30/15 AB

15-03-160 18 AB

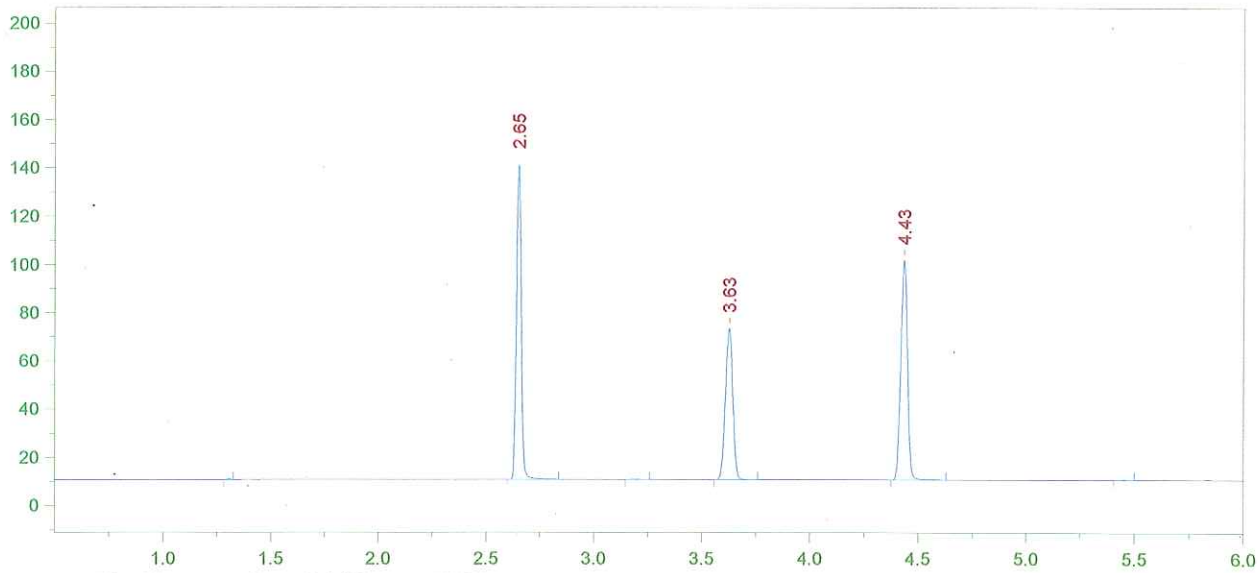


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 6:39:21 PM
Bound File Name = VFL01292015.0026.RAW
Sample Name = 0.16 Sim ALB
Date Taken = 1/29/2015 6:39:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	194861	0.1965	0.1604
4	3.63	t-Butanol	150771	1.0329	0.8431
5	4.44	n-Propanol	190330	1.0000	0.8162

15-03-160 19 AB

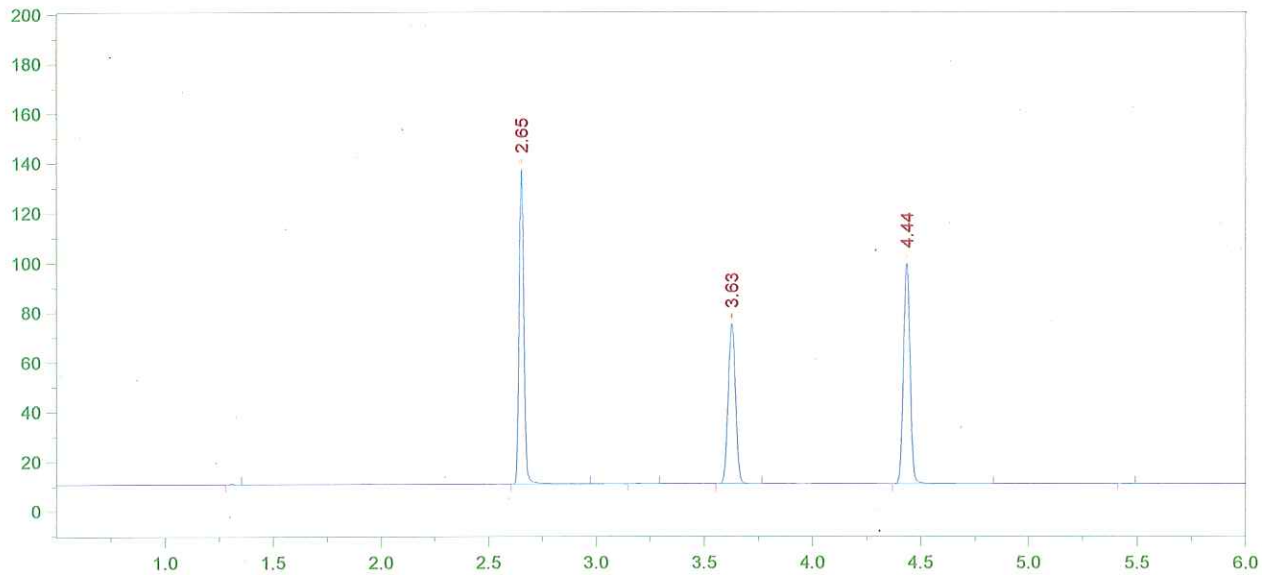


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 6:52:39 PM
Bound File Name = VFL01292015.0027.RAW
Sample Name = 0.16 Sim ALB
Date Taken = 1/29/2015 6:52:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	201154	0.1996	0.1629
4	3.63	t-Butanol	145077	0.9778	0.7981
5	4.43	n-Propanol	193464	1.0000	0.8162

15-03-160 20 AB

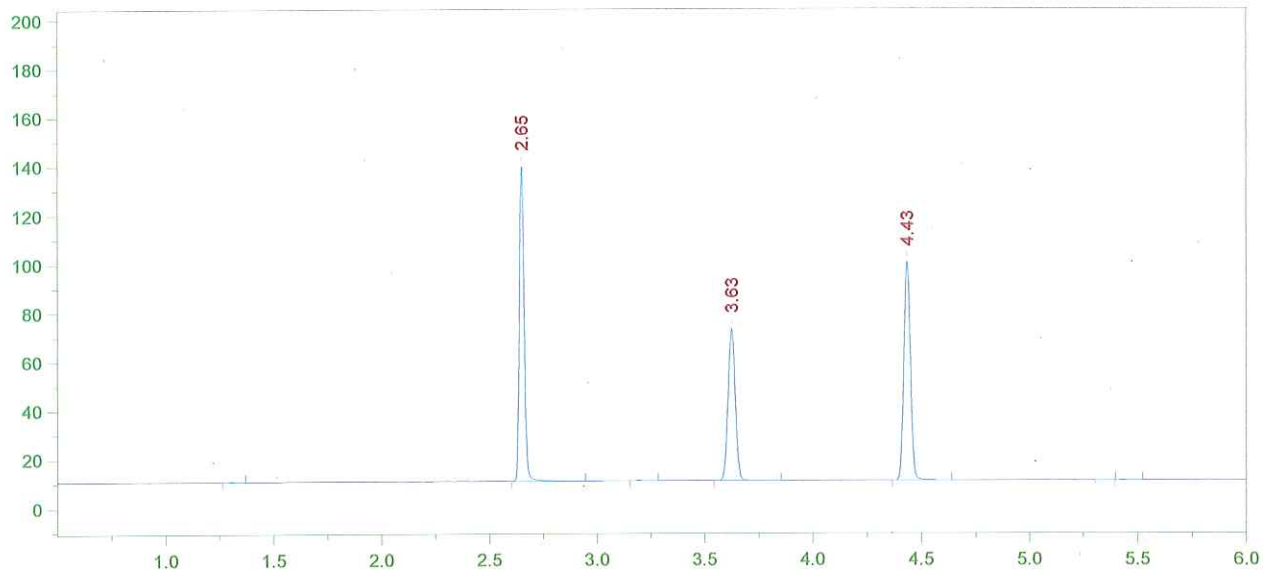


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 7:10:48 PM
Bound File Name = VFL01292015.0028.RAW
Sample Name = 0.16 Sim ALB
Date Taken = 1/29/2015 7:10:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	194206	0.1965	0.1604
4	3.63	t-Butanol	149404	1.0271	0.8383
5	4.44	n-Propanol	189681	1.0000	0.8162

15-03-160 21 AB

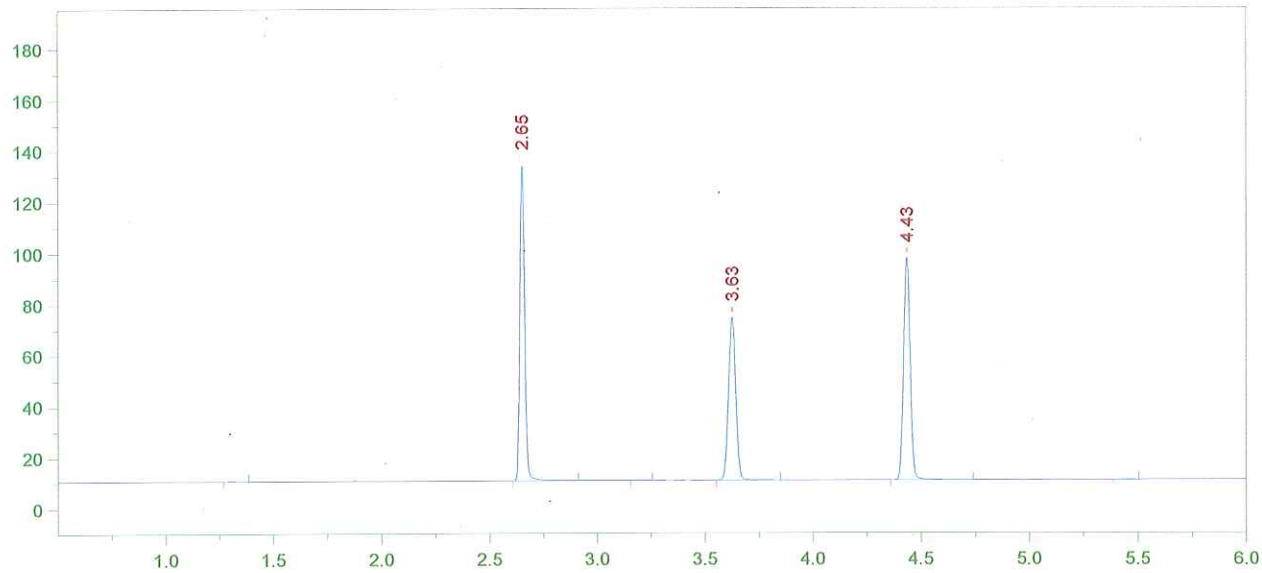


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 7:24:59 PM
Bound File Name = VFL01292015.0029.RAW
Sample Name = 0.16 Sim ALB
Date Taken = 1/29/2015 7:24:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	199582	0.2009	0.1640
4	3.63	t-Butanol	144130	0.9855	0.8044
5	4.43	n-Propanol	190699	1.0000	0.8162

15-03-160 22 AB

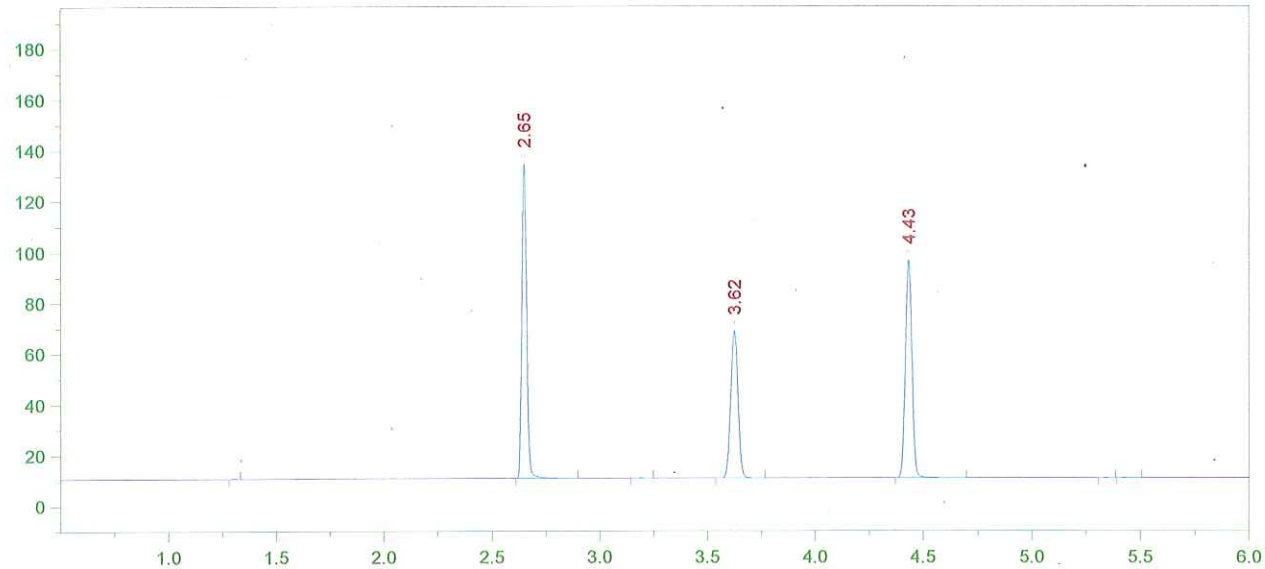


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 7:42:15 PM
Bound File Name = VFL01292015.0030.RAW
Sample Name = 0.16 Sim ALB
Date Taken = 1/29/2015 7:42:11 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	190136	0.1964	0.1603
4	3.63	t-Butanol	147983	1.0386	0.8477
5	4.43	n-Propanol	185790	1.0000	0.8162

15-03-160 73 AB

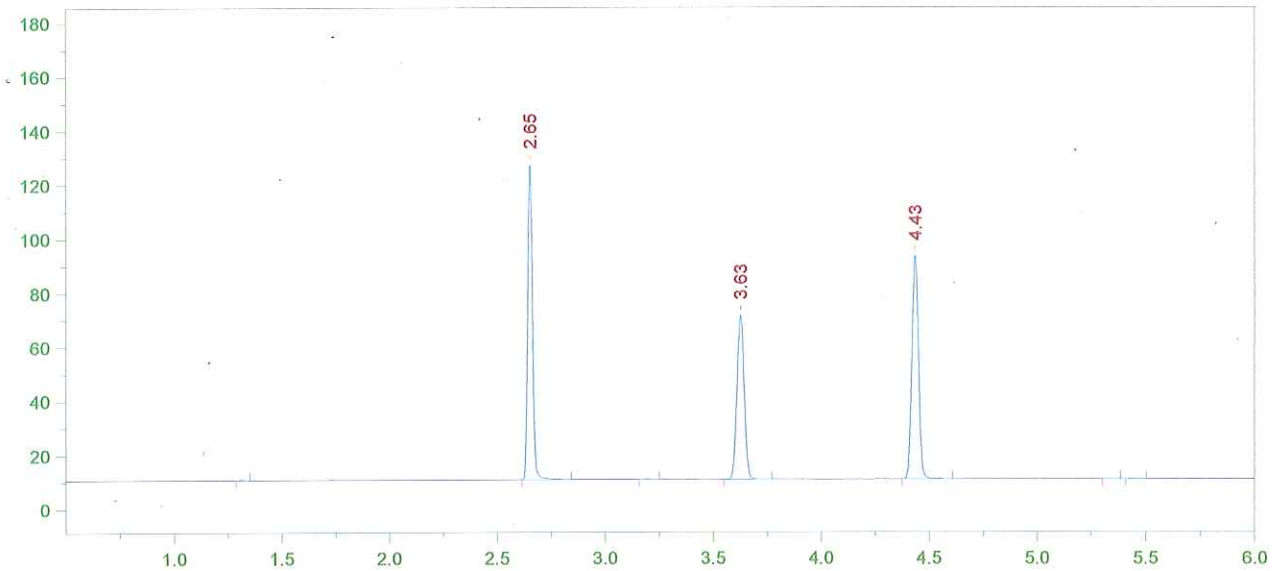


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 7:56:08 PM
Bound File Name = VFL01292015.0031.RAW
Sample Name = 0.16 Sim ALB
Date Taken = 1/29/2015 7:56:04 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	189691	0.1997	0.1630
4	3.62	t-Butanol	135266	0.9676	0.7898
5	4.43	n-Propanol	182282	1.0000	0.8162

15-03-160 24 SB

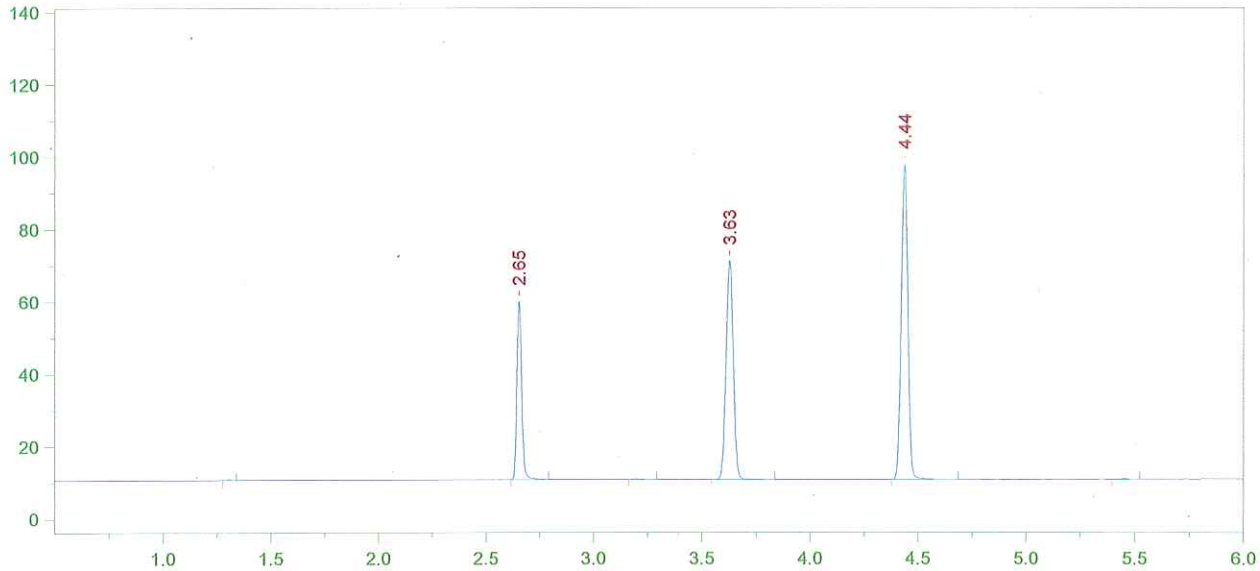


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 8:13:44 PM
Bound File Name = VFL01292015.0032.RAW
Sample Name = 0.16 Sim ALB
Date Taken = 1/29/2015 8:13:35 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	178414	0.1939	0.1582
4	3.63	t-Butanol	140416	1.0366	0.8460
5	4.43	n-Propanol	176636	1.0000	0.8162

15-03-160 25 AB

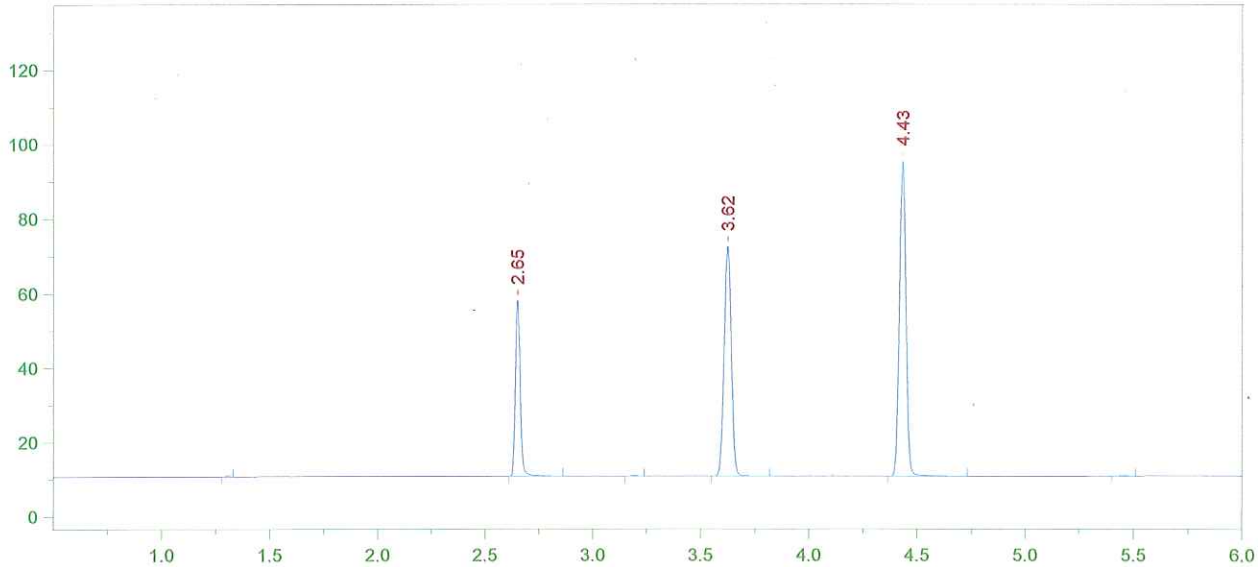


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 8:26:57 PM
Bound File Name = VFL01292015.0033.RAW
Sample Name = CCS
Date Taken = 1/29/2015 8:26:53 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76163	0.0791
4	3.63	t-Butanol	140264	0.9897
5	4.44	n-Propanol	184802	1.0000

15-03-160 26 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 8:45:12 PM
Bound File Name = VFL01292015.0034.RAW
Sample Name = CCS
Date Taken = 1/29/2015 8:45:03 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	73554	0.0787
4	3.62	t-Butanol	143789	1.0453
5	4.43	n-Propanol	179362	1.0000

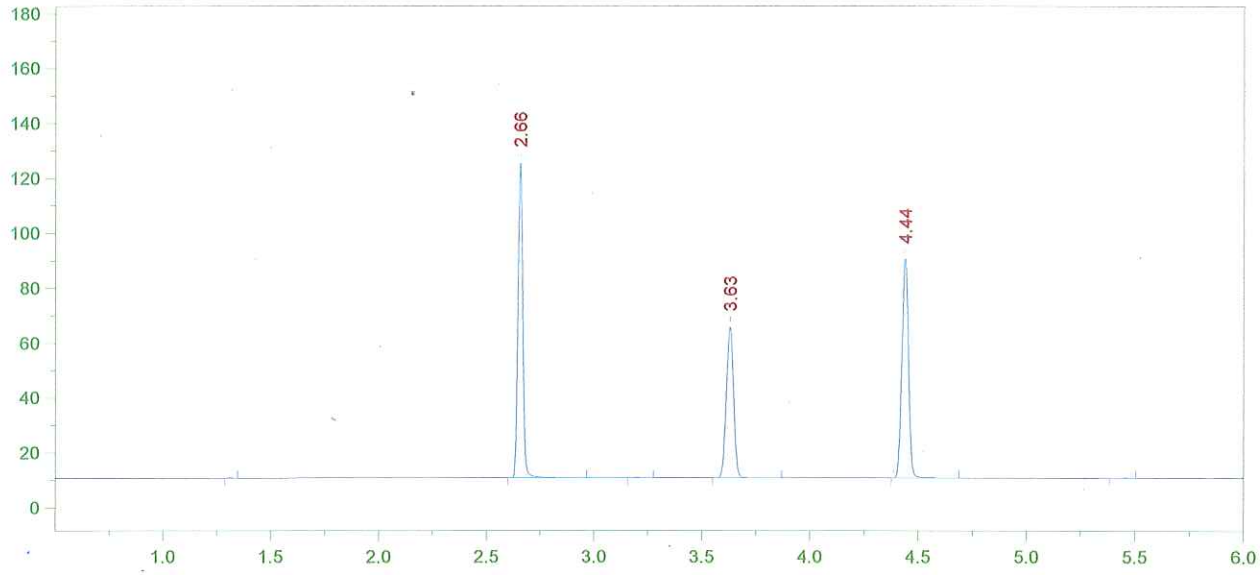
1/30/15 AB

Avg vals 33 + 34 ÷ = 0.079

1/30/15 AB

~~1/29~~ AB

15-03-160 27 AB

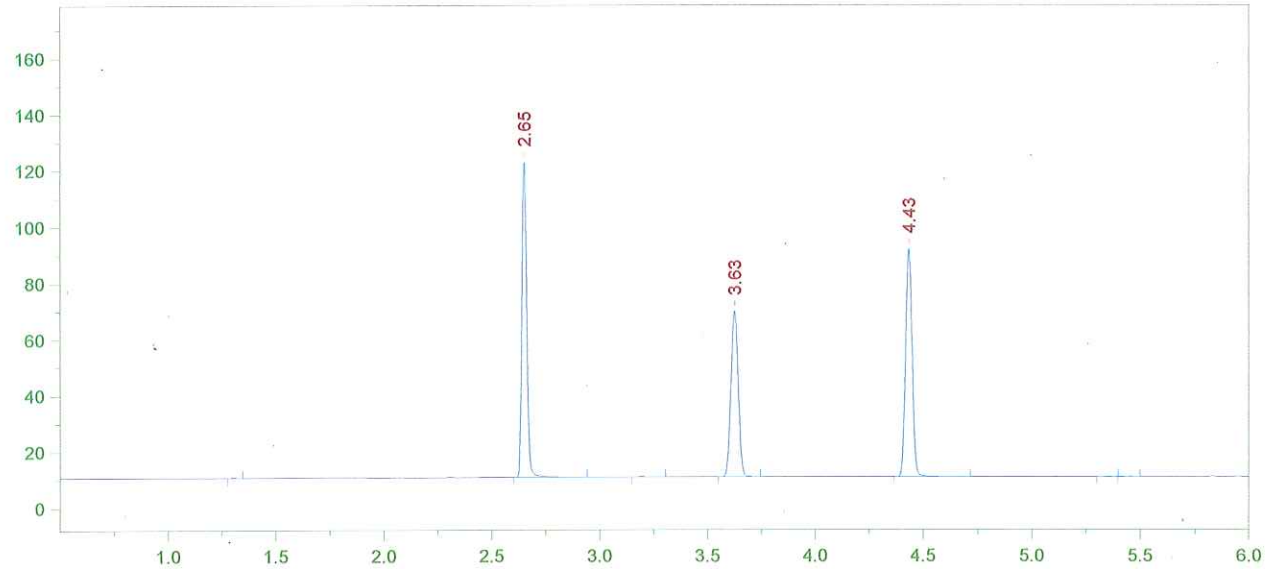


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 8:59:38 PM
Bound File Name = VFL01292015.0035.RAW
Sample Name = 0.16 Sim RLM
Date Taken = 1/29/2015 8:59:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	176772	0.1987	0.1622
4	3.63	t-Butanol	127852	0.9765	0.7970
5	4.44	n-Propanol	170725	1.0000	0.8162

15-03-160 28 AB

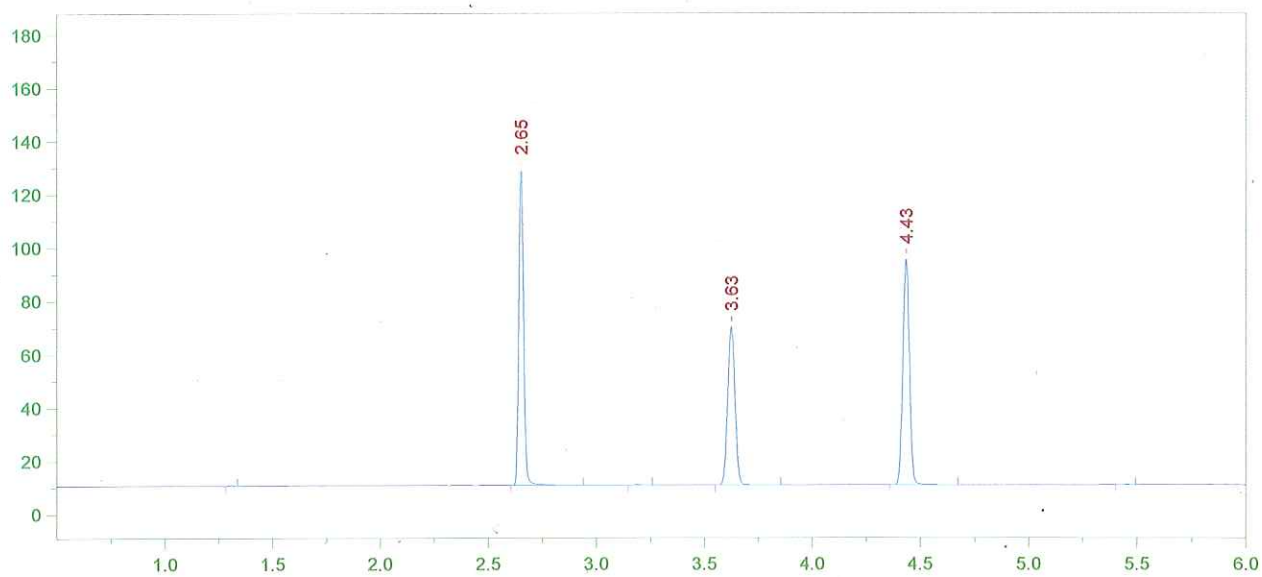


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 9:16:37 PM
Bound File Name = VFL01292015.0036.RAW
Sample Name = 0.16 Sim RLM
Date Taken = 1/29/2015 9:16:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	174237	0.1933	0.1578
4	3.63	t-Butanol	136841	1.0316	0.8420
5	4.43	n-Propanol	172965	1.0000	0.8162

15-03-160 29 AB

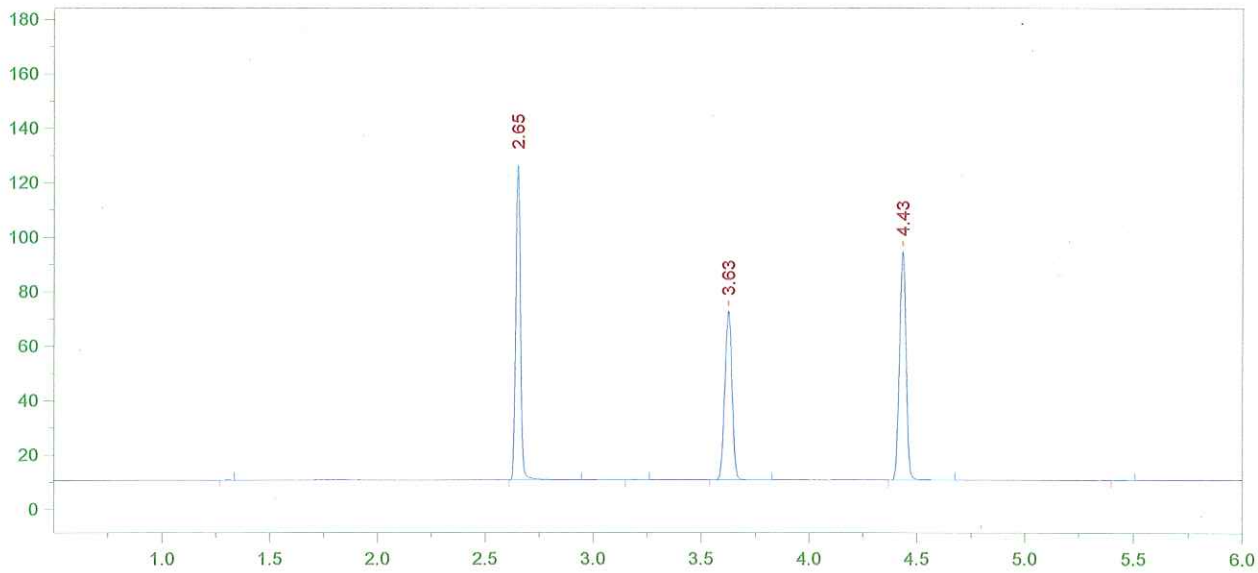


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 9:30:29 PM
Bound File Name = VFL01292015.0037.RAW
Sample Name = 0.16 Sim RLM
Date Taken = 1/29/2015 9:30:20 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	183167	0.1958	0.1598
4	3.63	t-Butanol	137629	0.9993	0.8156
5	4.43	n-Propanol	179587	1.0000	0.8162

15-03-160 30 AB

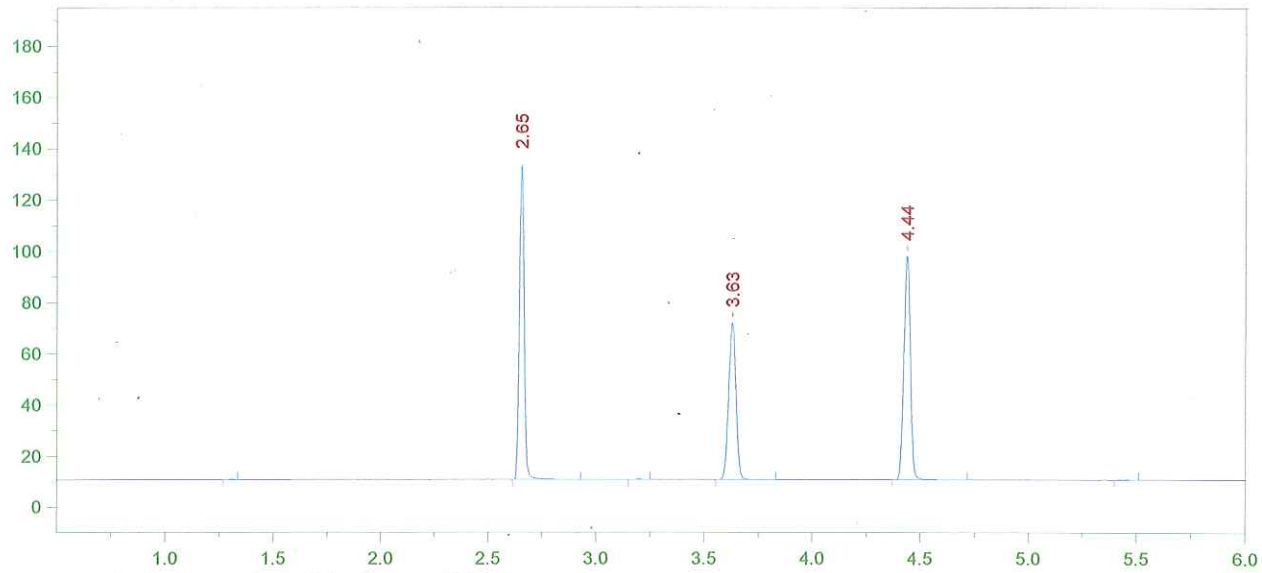


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 9:48:02 PM
Bound File Name = VFL01292015.0038.RAW
Sample Name = 0.16 Sim RLM
Date Taken = 1/29/2015 9:47:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	179606	0.1922	0.1569
4	3.63	t-Butanol	143667	1.0445	0.8525
5	4.43	n-Propanol	179352	1.0000	0.8162

15-03-160 31 AB

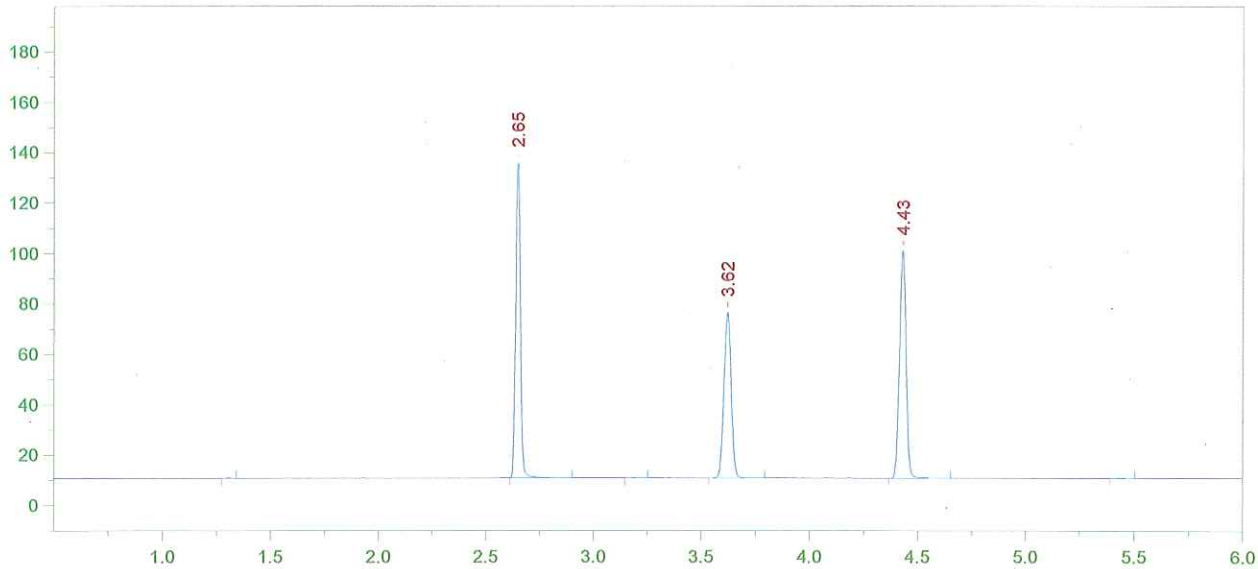


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 10:01:56 PM
Bound File Name = VFL01292015.0039.RAW
Sample Name = 0.16 Sim RLM
Date Taken = 1/29/2015 10:01:51 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	190223	0.1960	0.1600
4	3.63	t-Butanol	141923	0.9934	0.8108
5	4.44	n-Propanol	186295	1.0000	0.8162

15-03-160 32 SB

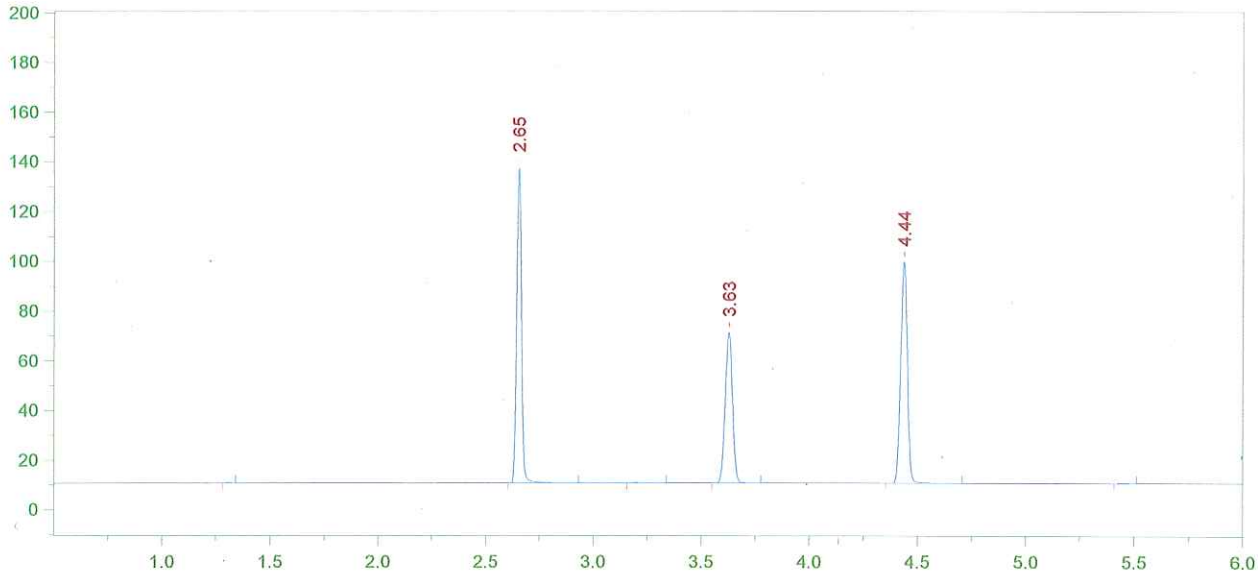


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 10:19:33 PM
Bound File Name = VFL01292015.0040.RAW
Sample Name = 0.16 Sim RLM
Date Taken = 1/29/2015 10:19:25 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	193197	0.1933	0.1577
4	3.62	t-Butanol	151967	1.0327	0.8429
5	4.43	n-Propanol	191875	1.0000	0.8162

15-03-160 33 AB

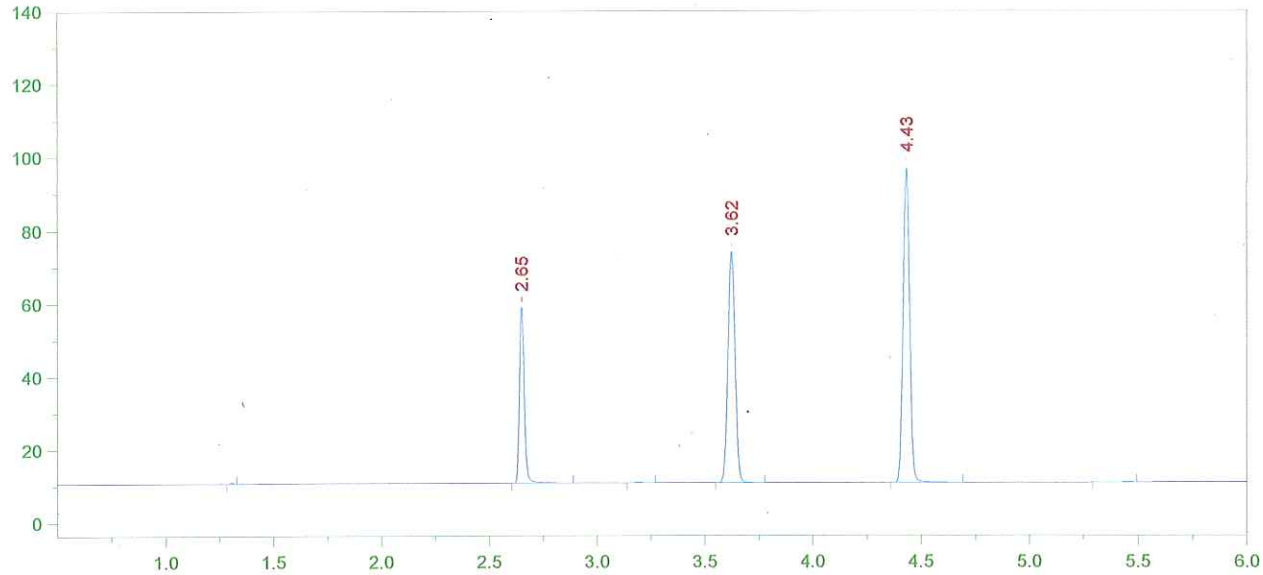


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/29/2015
Today's Time = 10:34:24 PM
Bound File Name = VFL01292015.0041.RAW
Sample Name = 0.16 Sim RLM
Date Taken = 1/29/2015 10:34:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	196480	0.1993	0.1627
4	3.63	t-Butanol	140187	0.9661	0.7885
5	4.44	n-Propanol	189218	1.0000	0.8162

15-03-160 34 SB

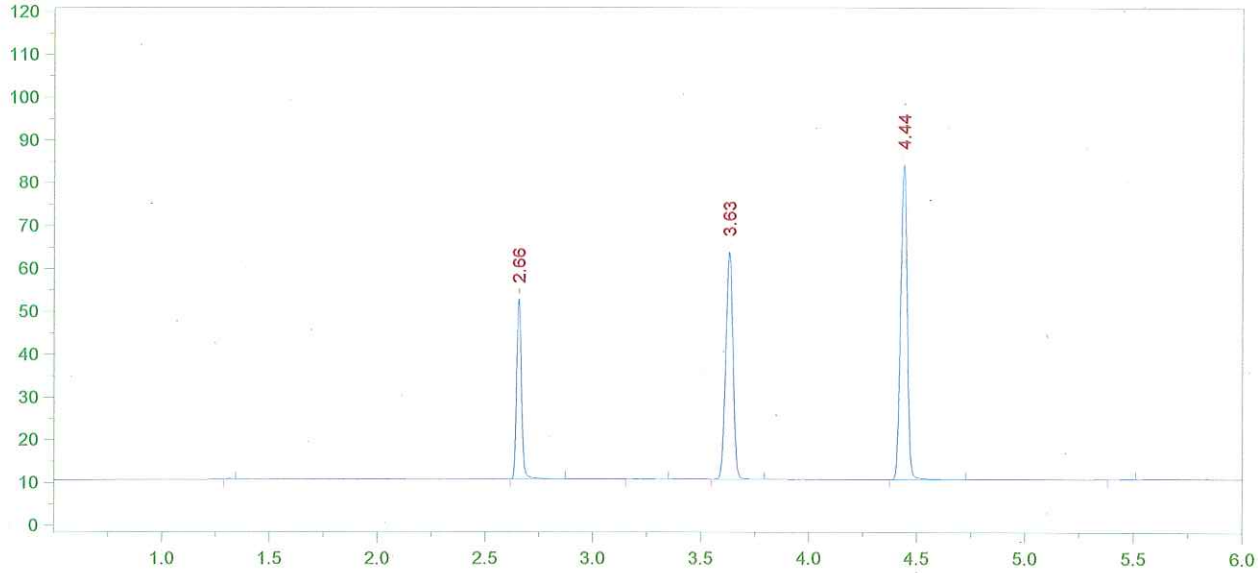


Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 10:51:02 PM
Bound File Name = VFL01292015.0042.RAW
Sample Name = CCS
Date Taken = 1/29/2015 10:50:55 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	74998	0.0786
4	3.62	t-Butanol	146781	1.0457
5	4.43	n-Propanol	183035	1.0000

15-03-160 35 AB



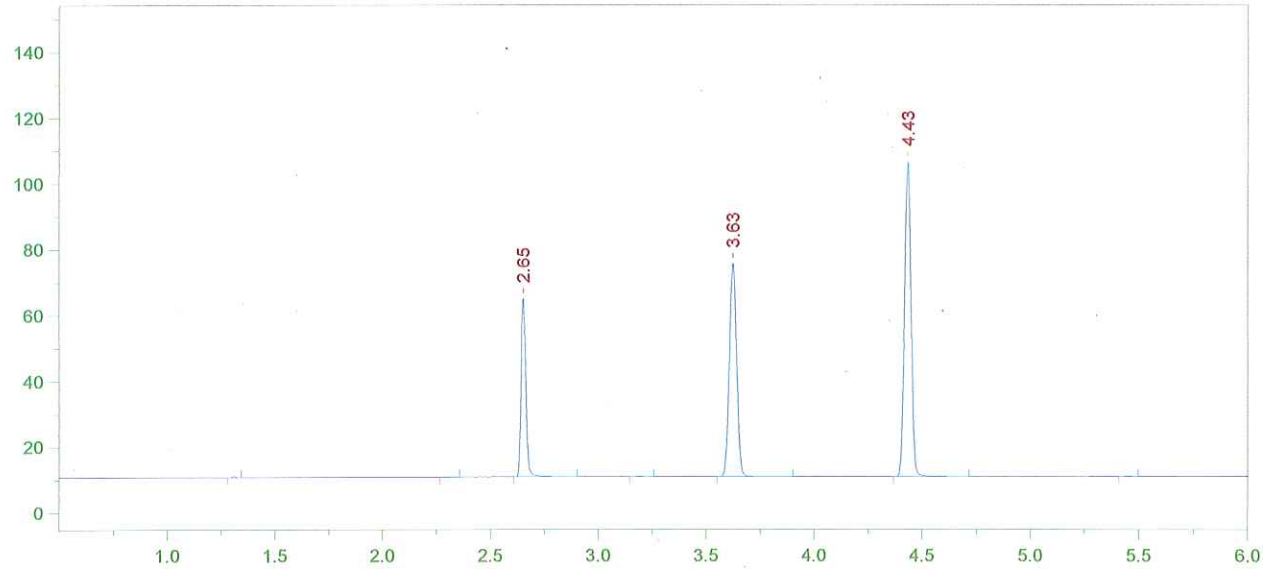
Format File Name = AlcoholVFL.FMT

Today's Date = 1/29/2015
Today's Time = 11:04:19 PM
Bound File Name = VFL01292015.0043.RAW
Sample Name = CCS
Date Taken = 1/29/2015 11:04:09 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	65893	0.0803
4	3.63	t-Butanol	122931	1.0175
5	4.44	n-Propanol	157534	1.0000

Arg vals 42 / 43 = 0.079
1/30/15 AS

15-03-160 36 AB



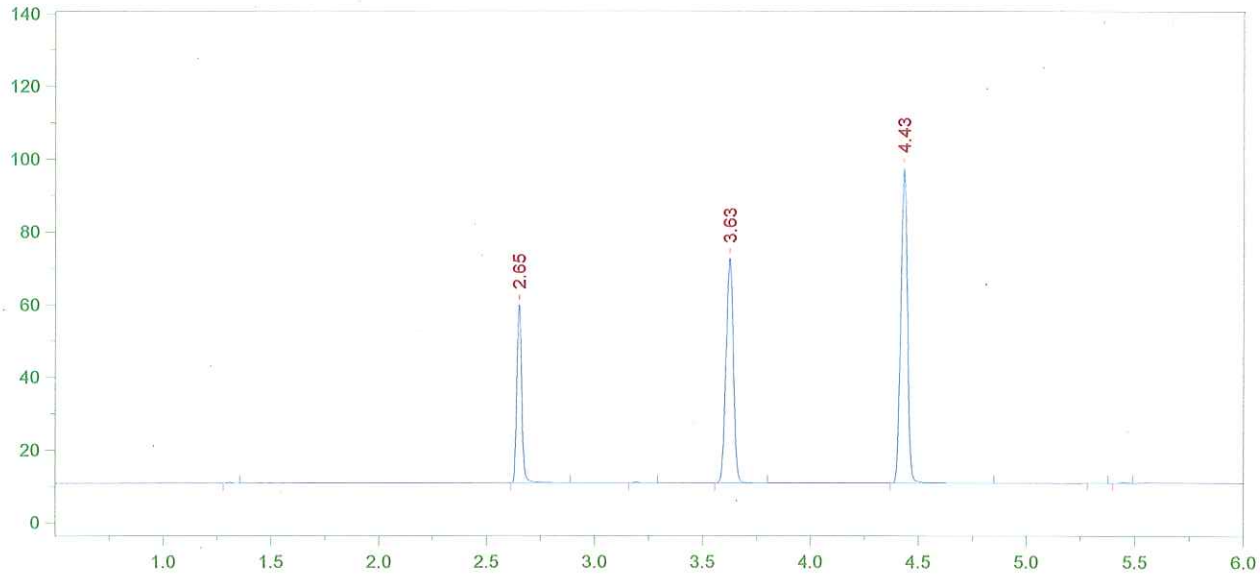
Format File Name = AlcoholVFL.FMT

Today's Date = 1/30/2015
Today's Time = 8:37:33 AM
Bound File Name = VFL01292015.0044.RAW
Sample Name = CCS 01302015
Date Taken = 1/30/2015 8:37:23 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	84859	0.0802
5	3.63	t-Butanol	149880	0.9627
6	4.43	n-Propanol	203012	1.0000

Avg vials 44 + 45 = 0.080
1/30/15 AB

15-03-160 37 AB

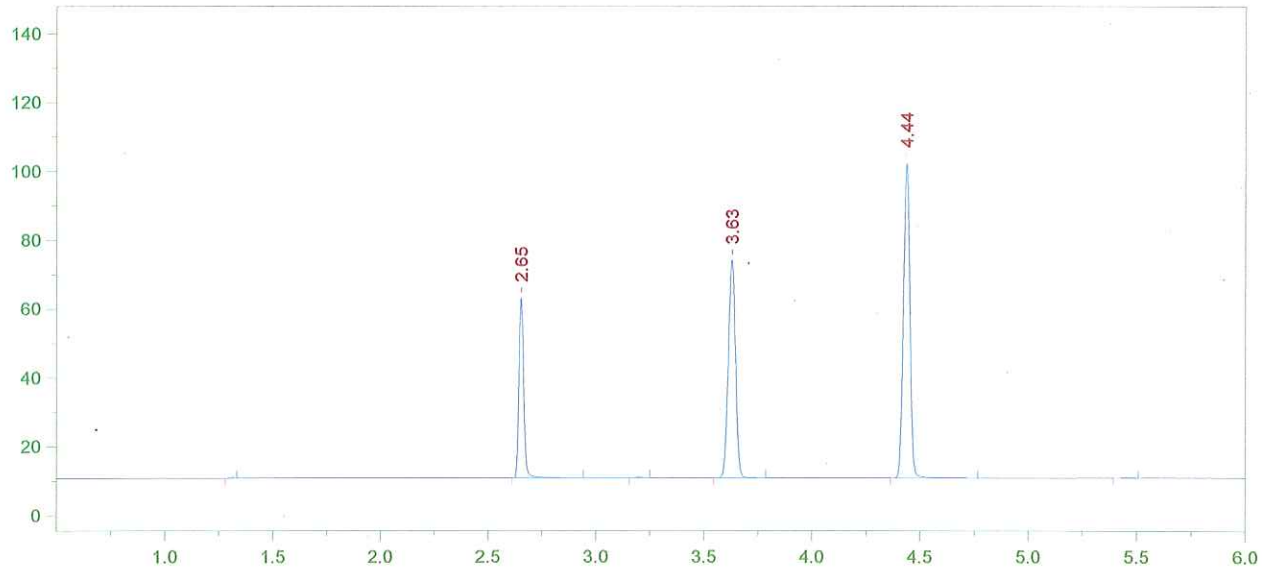


Format File Name = AlcoholVFL.FMT

Today's Date = 1/30/2015
Today's Time = 8:54:24 AM
Bound File Name = VFL01292015.0045.RAW
Sample Name = CCS
Date Taken = 1/30/2015 8:54:14 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76773	0.0801
4	3.63	t-Butanol	143677	1.0179
5	4.43	n-Propanol	184053	1.0000

15-03-160 38 JB

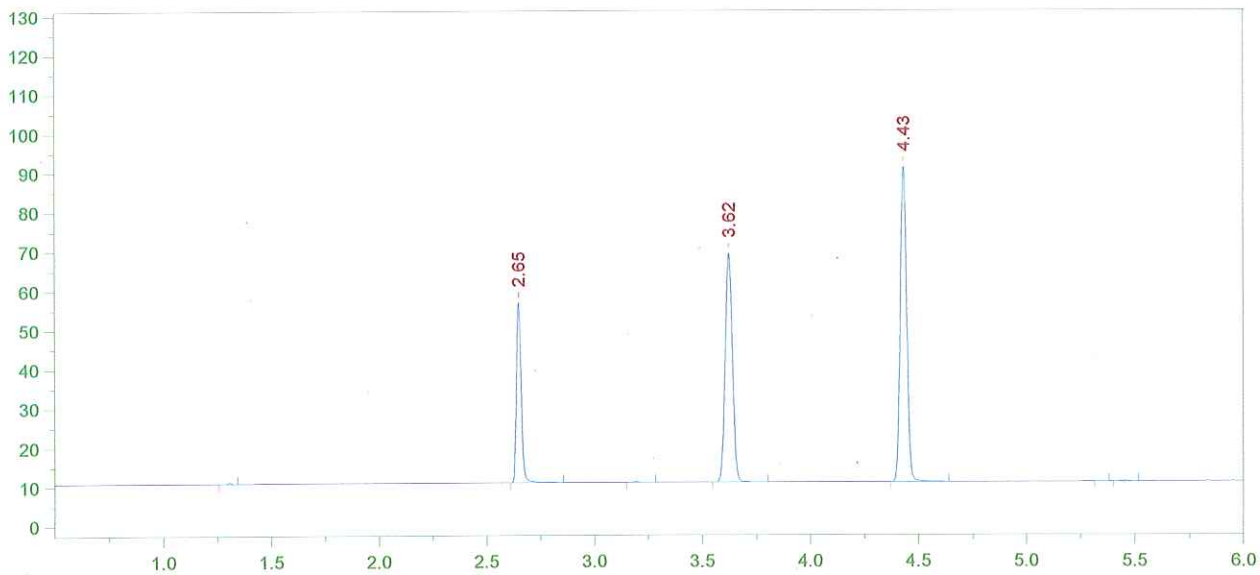


Format File Name = AlcoholVFL.FMT

Today's Date = 1/30/2015
Today's Time = 9:39:30 AM
Bound File Name = VFL01292015.0048.RAW
Sample Name = CCS
Date Taken = 1/30/2015 9:39:24 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81926	0.0808
4	3.63	t-Butanol	146726	0.9826
5	4.44	n-Propanol	194711	1.0000

15-03-160 39 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 1/30/2015
Today's Time = 9:57:04 AM
Bound File Name = VFL01292015.0049.RAW
Sample Name = CCS
Date Taken = 1/30/2015 9:56:58 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	71797	0.0803
4	3.62	t-Butanol	135446	1.0287
5	4.43	n-Propanol	171689	1.0000

Avg Vials 48 + 49 = 0.080
AB 1/30/15

15-03-160 40 AB

File Name = C:\Alcohol Data\VFL02052015\VFL02052015.SEQ
Version = 1
File Date = 2/5/2015 2:52:43 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL02052015.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL02052015.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL02052015.0003.raw	Blood Alc temp VFL.MET	Std A	1.00	1.00
4	VFL02052015.0004.raw	Blood Alc temp VFL.MET	Std B	1.00	1.00
5	VFL02052015.0005.raw	Blood Alc temp VFL.MET	Std C	1.00	1.00
6	VFL02052015.0006.raw	Blood Alc temp VFL.MET	Std D	1.00	1.00
7	VFL02052015.0007.raw	Blood Alc temp VFL.MET	Std E	1.00	1.00
8	VFL02052015.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	VFL02052015.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	VFL02052015.0010.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
11	VFL02052015.0011.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
12	VFL02052015.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL02052015.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL02052015.0014.raw	Blood Alc temp VFL.MET	V15-202 A1-1	1.00	1.00
15	VFL02052015.0015.raw	Blood Alc temp VFL.MET	V15-202 A1-1	1.00	1.00
16	VFL02052015.0016.raw	Blood Alc temp VFL.MET	V15-215 A1-1	1.00	1.00
17	VFL02052015.0017.raw	Blood Alc temp VFL.MET	V15-215 A1-1	1.00	1.00
18	VFL02052015.0018.raw	Blood Alc temp VFL.MET	V15-218 A1-1	1.00	1.00
19	VFL02052015.0019.raw	Blood Alc temp VFL.MET	V15-218 A1-1	1.00	1.00
20	VFL02052015.0020.raw	Blood Alc temp VFL.MET	V15-224 A1-1	1.00	1.00
21	VFL02052015.0021.raw	Blood Alc temp VFL.MET	V15-224 A1-1	1.00	1.00
22	VFL02052015.0022.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
23	VFL02052015.0023.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
24	VFL02052015.0024.raw	simsoln.met	0.16 SIM ALB	1.00	1.00
25	VFL02052015.0025.raw	simsoln.met	0.16 SIM ALB	1.00	1.00
26	VFL02052015.0026.raw	simsoln.met	0.16 SIM ALB	1.00	1.00
27	VFL02052015.0027.raw	simsoln.met	0.16 SIM ALB	1.00	1.00
28	VFL02052015.0028.raw	simsoln.met	0.16 SIM ALB	1.00	1.00
29	VFL02052015.0029.raw	simsoln.met	0.16 SIM ALB	1.00	1.00
30	VFL02052015.0030.raw	simsoln.met	0.16 SIM ALB	1.00	1.00
31	VFL02052015.0031.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
32	VFL02052015.0032.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
33	VFL02052015.0033.raw	simsoln.met	0.16 SIM TLC	1.00	1.00
34	VFL02052015.0034.raw	simsoln.met	0.16 SIM TLC	1.00	1.00
35	VFL02052015.0035.raw	simsoln.met	0.16 SIM TLC	1.00	1.00
36	VFL02052015.0036.raw	simsoln.met	0.16 SIM TLC	1.00	1.00
37	VFL02052015.0037.raw	simsoln.met	0.16 SIM TLC	1.00	1.00
38	VFL02052015.0038.raw	simsoln.met	0.16 SIM TLC	1.00	1.00
39	VFL02052015.0039.raw	simsoln.met	0.16 SIM TLC	1.00	1.00
40	VFL02052015.0040.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
41	VFL02052015.0041.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

casework not included 2/6/15 AB

15-03-160 41 AB

File Name: C:\Methods\VFL02052015.CAL
Version: 7

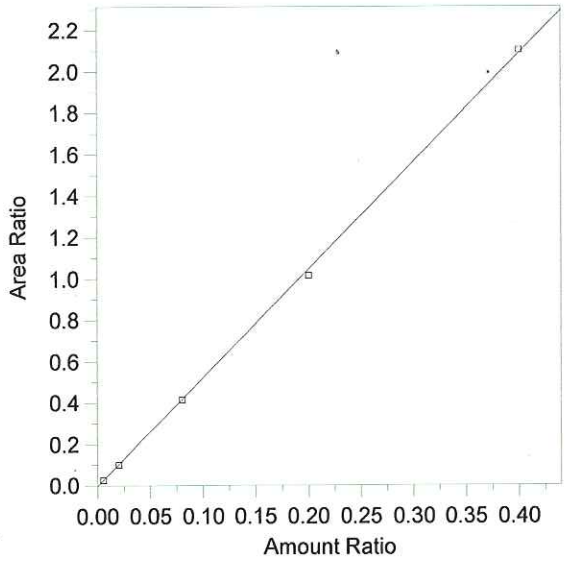
Creator:
Description:
Reason for change:

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: 2.655 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

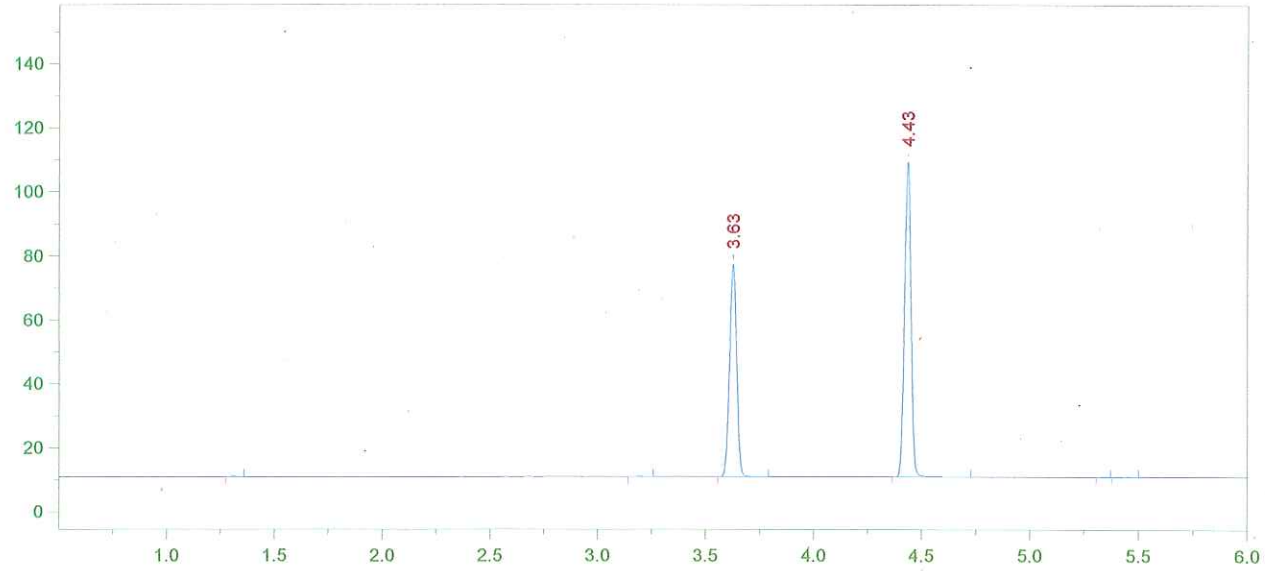
Single peak quantification by area

Y = 5.220315 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9996403
Average error: 1.935%
Average CF: 5.165639
RSD: 2.339%

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	5137.839	1027568	1.500	0.005	2.649303E-02	C:\Alcohol Data\VFL02052015\VFL02052015.0003.BND	2/5/2015 4:00:25 PM
3	0.02	19028.39	951419.6	-4.027	0.02	0.1002021	C:\Alcohol Data\VFL02052015\VFL02052015.0004.BND	2/5/2015 4:17:58 PM
4	0.08	75949.59	949369.9	-0.701	0.08	0.4146963	C:\Alcohol Data\VFL02052015\VFL02052015.0005.BND	2/5/2015 4:31:16 PM
5	0.2	187058.1	935290.4	-2.728	0.2	1.015576	C:\Alcohol Data\VFL02052015\VFL02052015.0006.BND	2/5/2015 4:49:27 PM
6	0.4	423709	1059273	0.720	0.4	2.10316	C:\Alcohol Data\VFL02052015\VFL02052015.0007.BND	2/5/2015 5:04:18 PM

15-03-160 42 AB

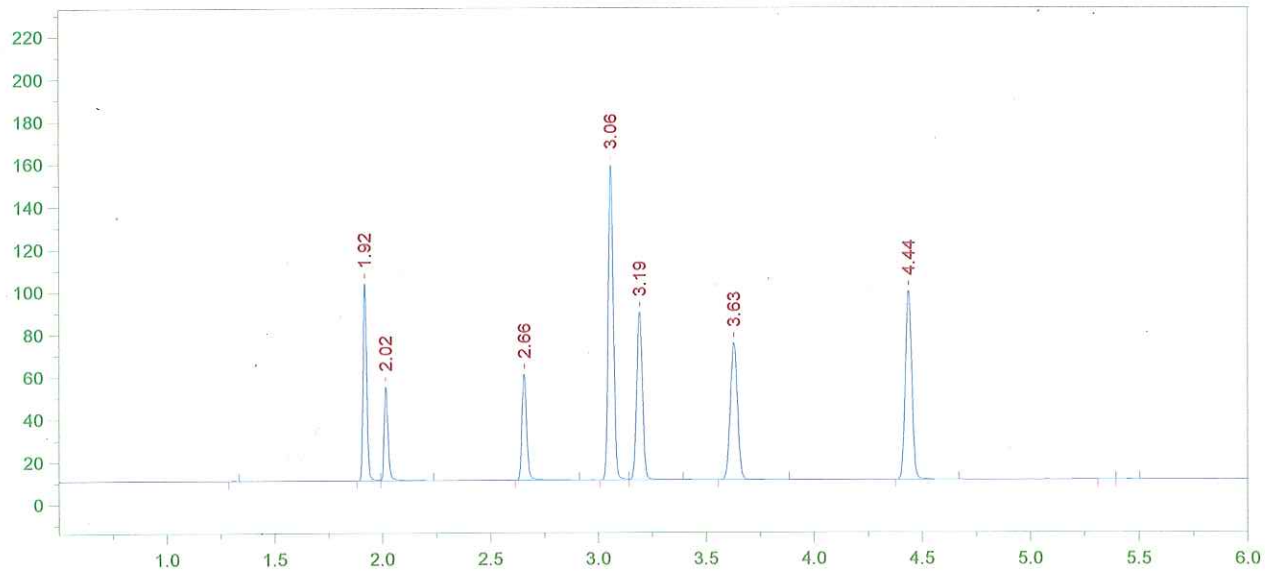


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 7:42:05 AM
Bound File Name = VFL02052015.0001.RAW
Sample Name = Blank
Date Taken = 2/5/2015 3:29:17 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.63	t-Butanol	153678	0.9505
4	4.43	n-Propanol	208621	1.0000

15-03-160 43 SB

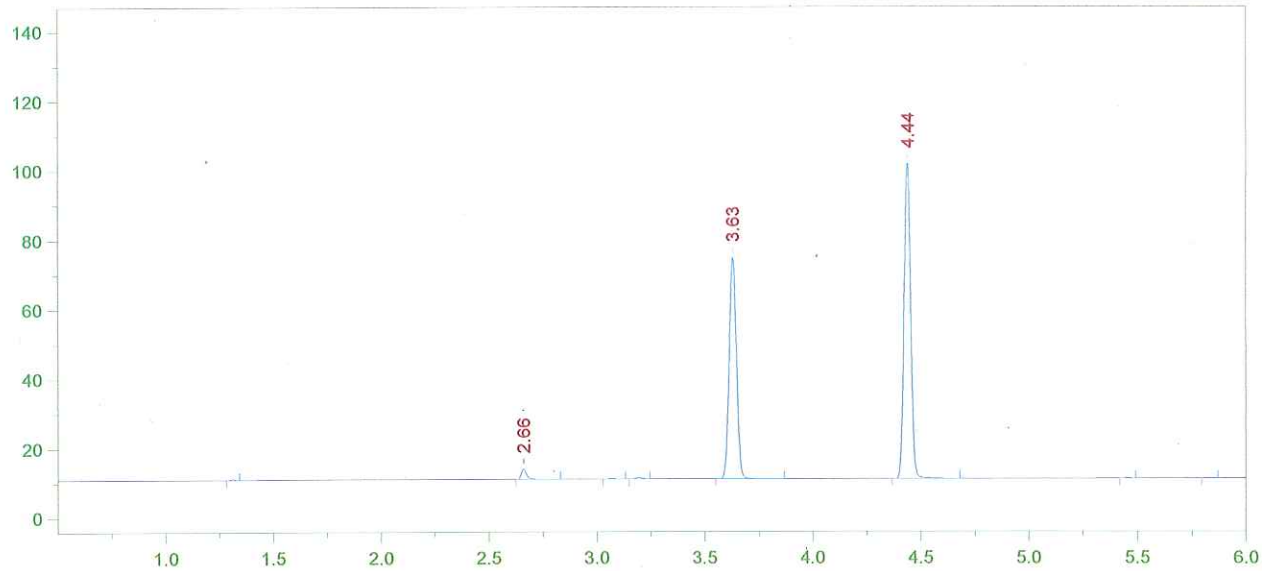


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 7:42:15 AM
Bound File Name = VFL02052015.0002.RAW
Sample Name = TMX
Date Taken = 2/5/2015 3:46:31 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	108391	0.0695
3	2.02	Methanol	56050	0.1232
4	2.66	Ethanol	78080	0.0790
5	3.06	Acetone	253184	0.0657
6	3.19	Isopropanol	149246	0.0848
7	3.63	t-Butanol	149223	1.0176
8	4.44	n-Propanol	189218	1.0000

15-03-160 44 AB

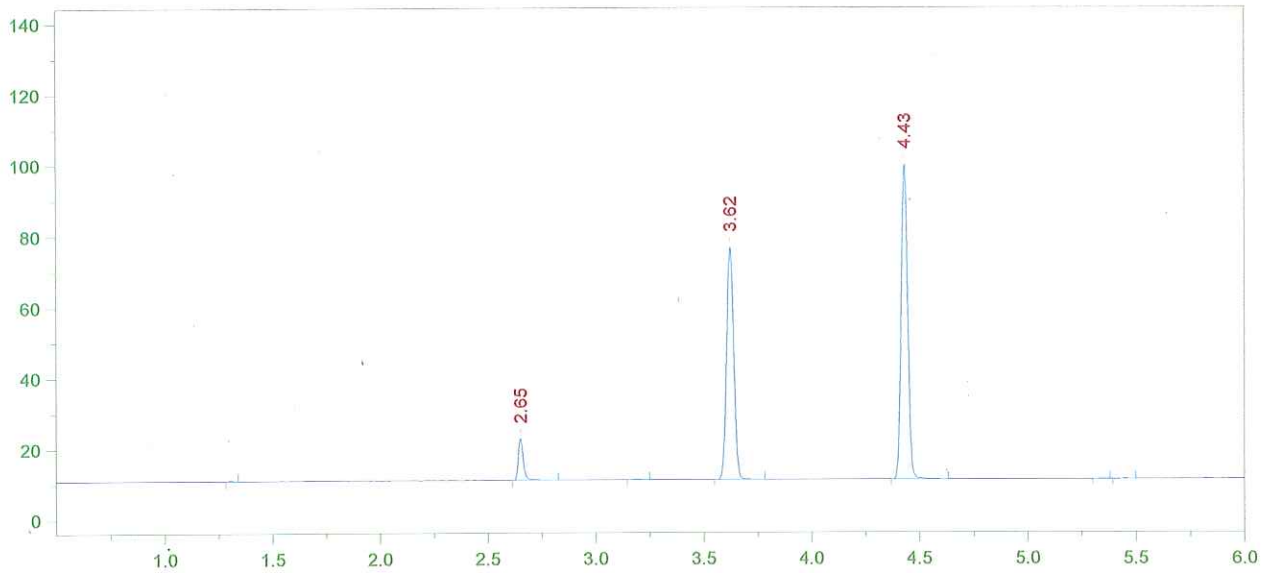


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 7:42:20 AM
Bound File Name = VFL02052015.0003.RAW
Sample Name = Std A
Date Taken = 2/5/2015 4:00:19 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	05138	0.0051
5	3.63	t-Butanol	147502	0.9814
6	4.44	n-Propanol	193932	1.0000

15-03-160 45 AB

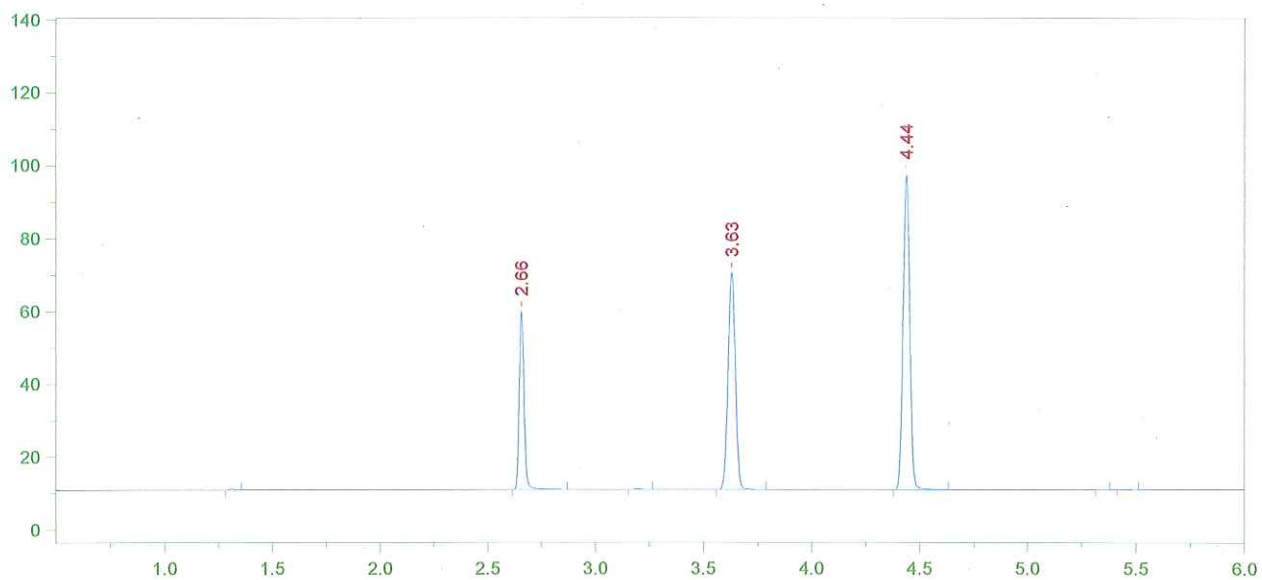


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 7:42:27 AM
Bound File Name = VFL02052015.0004.RAW
Sample Name = Std B
Date Taken = 2/5/2015 4:17:53 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	19028	0.0192
4	3.62	t-Butanol	152167	1.0339
5	4.43	n-Propanol	189900	1.0000

15-03-160 46 AB

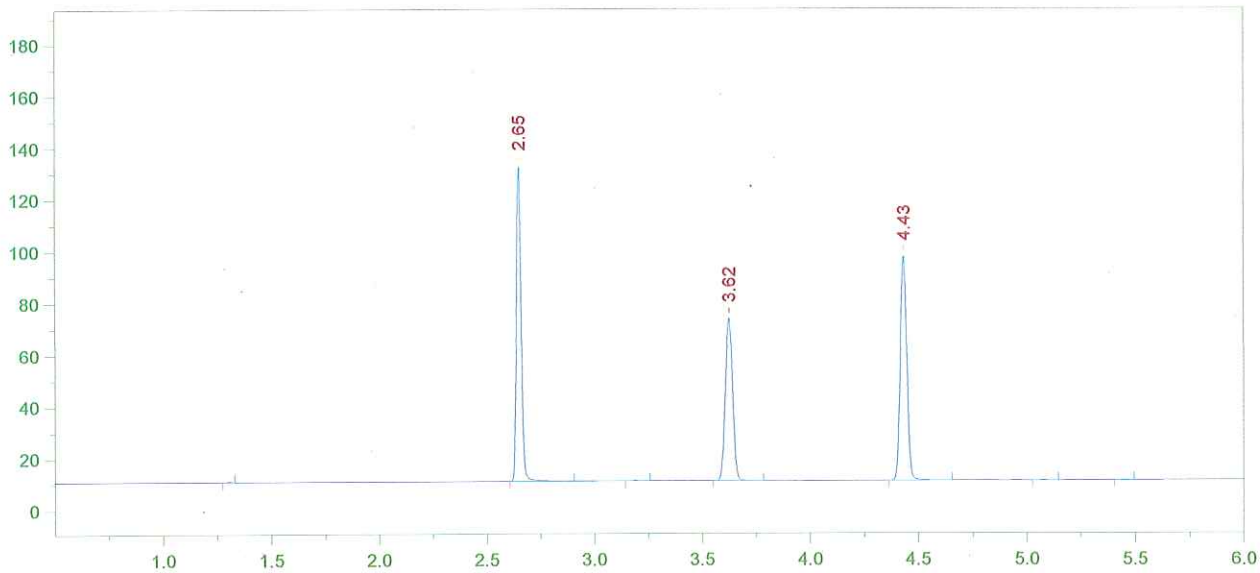


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 7:42:34 AM
Bound File Name = VFL02052015.0005.RAW
Sample Name = Std C
Date Taken = 2/5/2015 4:31:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75950	0.0794
4	3.63	t-Butanol	138673	0.9770
5	4.44	n-Propanol	183145	1.0000

15-03-160 47 AB

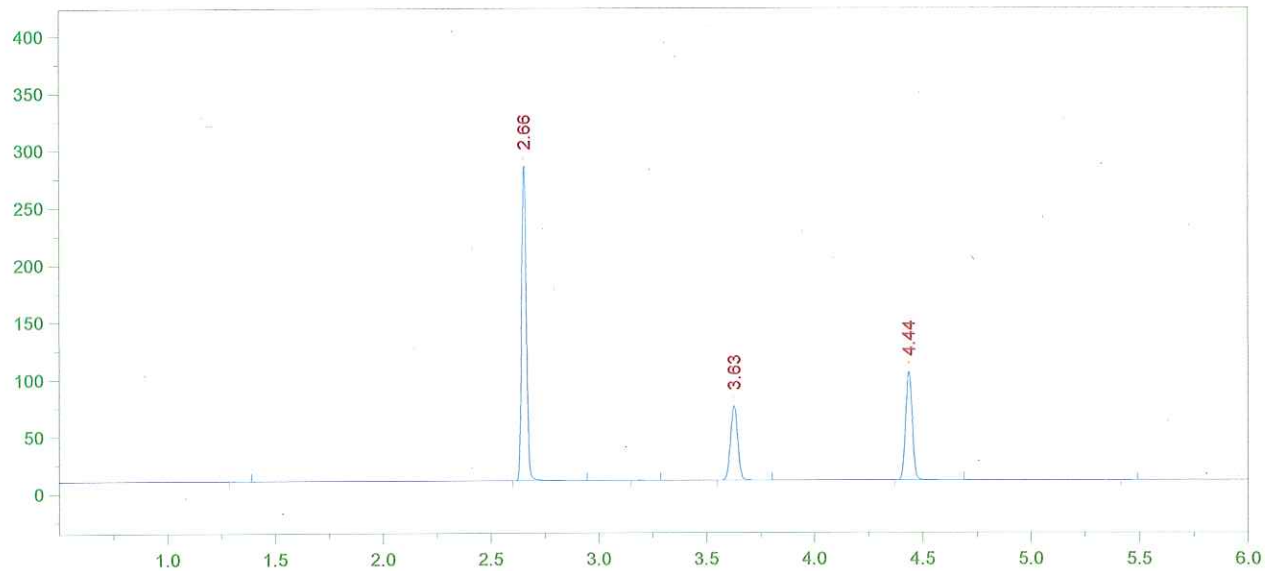


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 7:42:41 AM
Bound File Name = VFL02052015.0006.RAW
Sample Name = Std D
Date Taken = 2/5/2015 4:49:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	187058	0.1945
4	3.62	t-Butanol	146156	1.0239
5	4.43	n-Propanol	184189	1.0000

15-03-160 48 AB

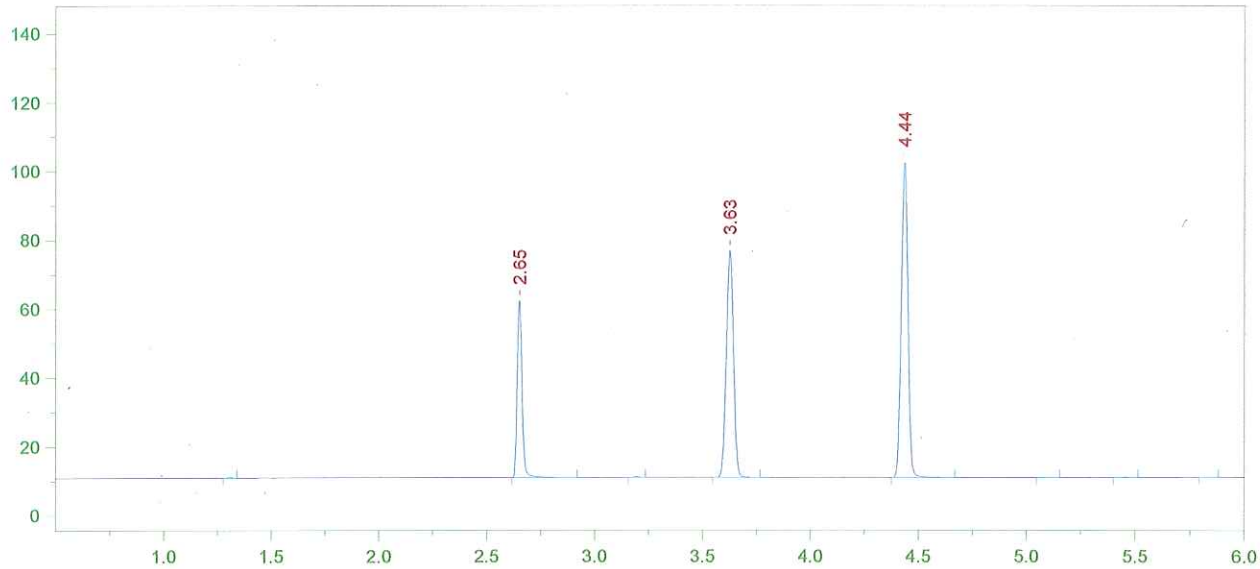


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 7:42:47 AM
Bound File Name = VFL02052015.0007.RAW
Sample Name = Std E
Date Taken = 2/5/2015 5:04:13 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	423709	0.4029
4	3.63	t-Butanol	150850	0.9662
5	4.44	n-Propanol	201463	1.0000

15-03-160 49 AB

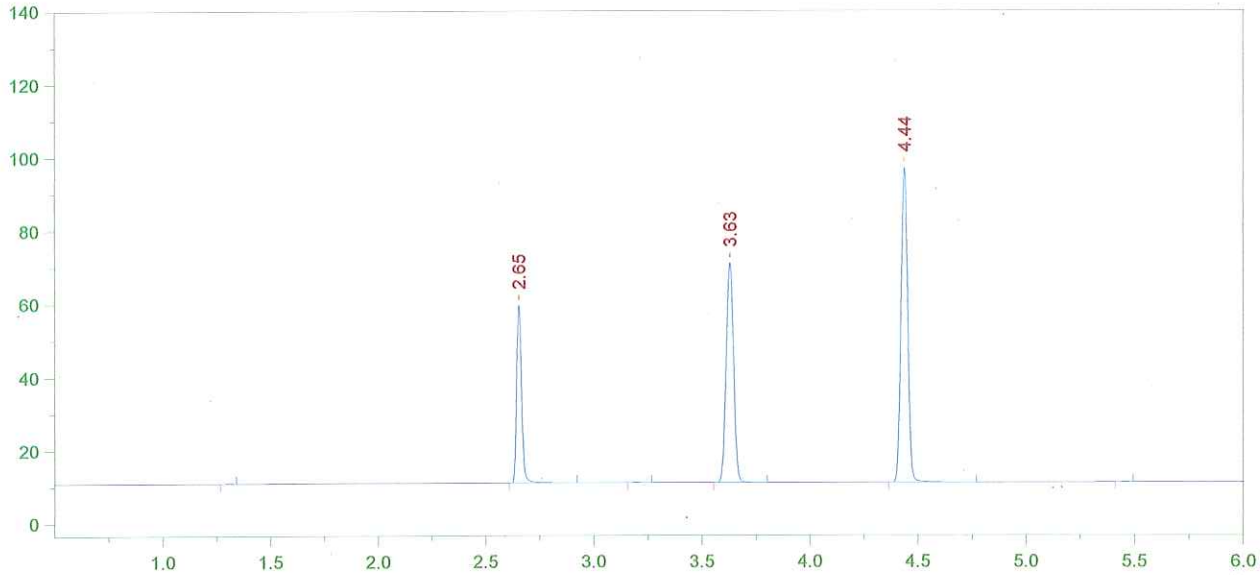


Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 5:19:10 PM
Bound File Name = VFL02052015.0008.RAW
Sample Name = AQ QC
Date Taken = 2/5/2015 5:19:01 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79945	0.0786
4	3.63	t-Butanol	152483	1.0100
5	4.44	n-Propanol	194796	1.0000

15-03-160 50 AB



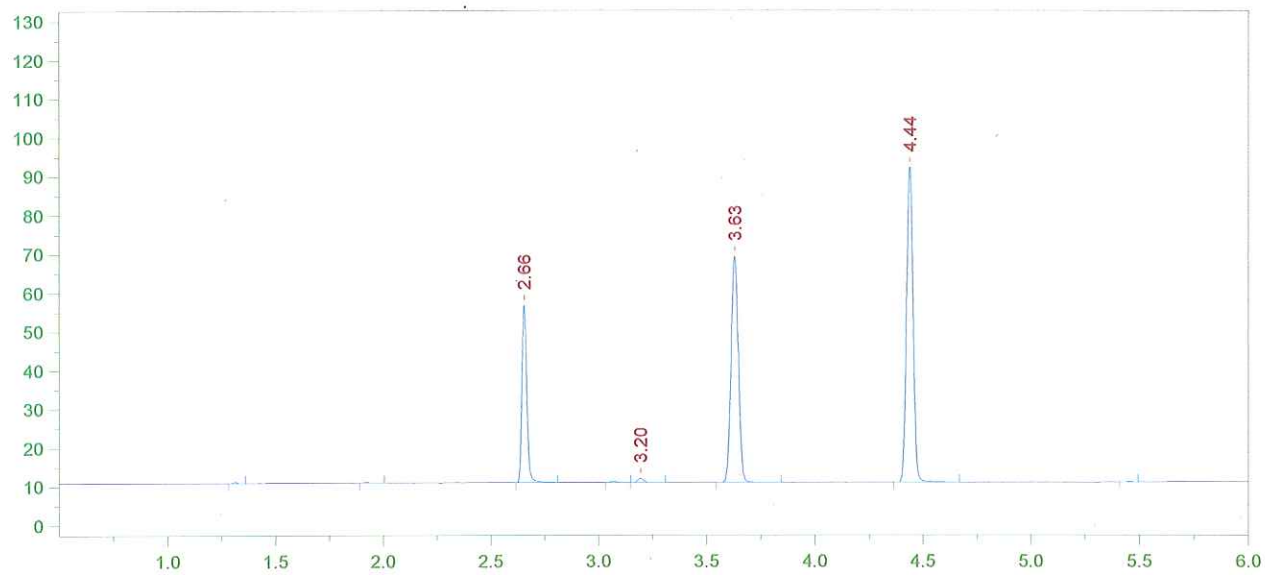
Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 5:34:59 PM
Bound File Name = VFL02052015.0009.RAW
Sample Name = AQ QC
Date Taken = 2/5/2015 5:34:55 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76562	0.0799
4	3.63	t-Butanol	139772	0.9825
5	4.44	n-Propanol	183572	1.0000

Avg vals 8 + 9 = 0.079
TV = 0.080 99% recovery
2/5/15 AB

15-03-160 51 AB

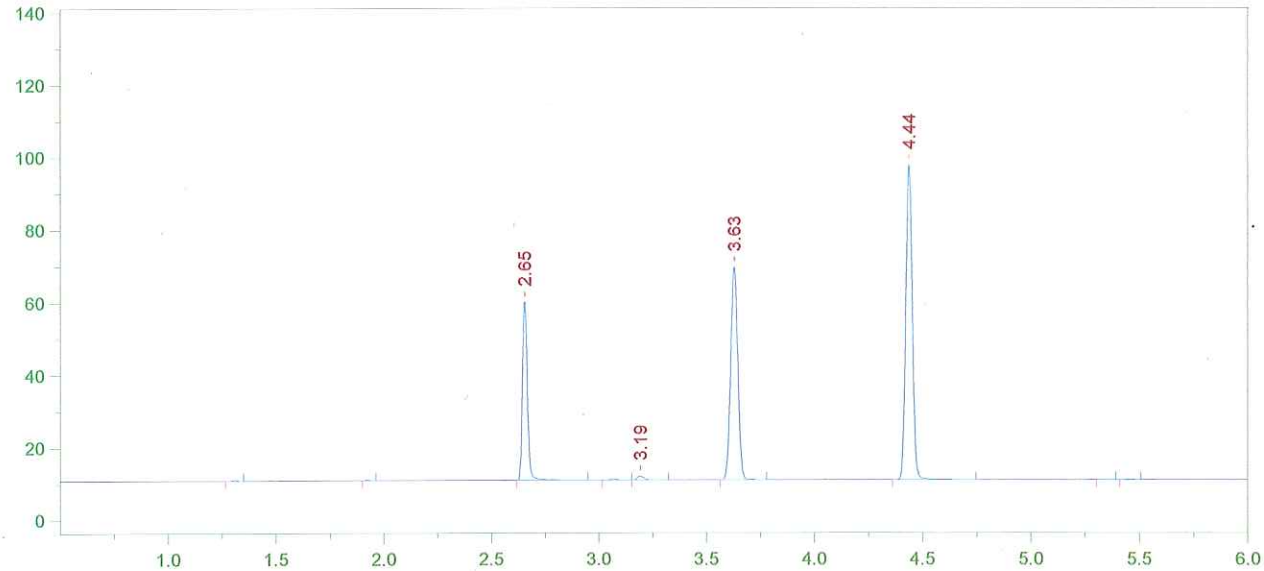


Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 5:50:40 PM
Bound File Name = VFL02052015.0010.RAW
Sample Name = WB QC
Date Taken = 2/5/2015 5:50:33 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	71105	0.0785
5	3.20	Isopropanol	02061	<0.004
6	3.63	t-Butanol	135290	1.0062
7	4.44	n-Propanol	173488	1.0000

15-03-160 52 AB



Format File Name = AlcoholVFL.FMT

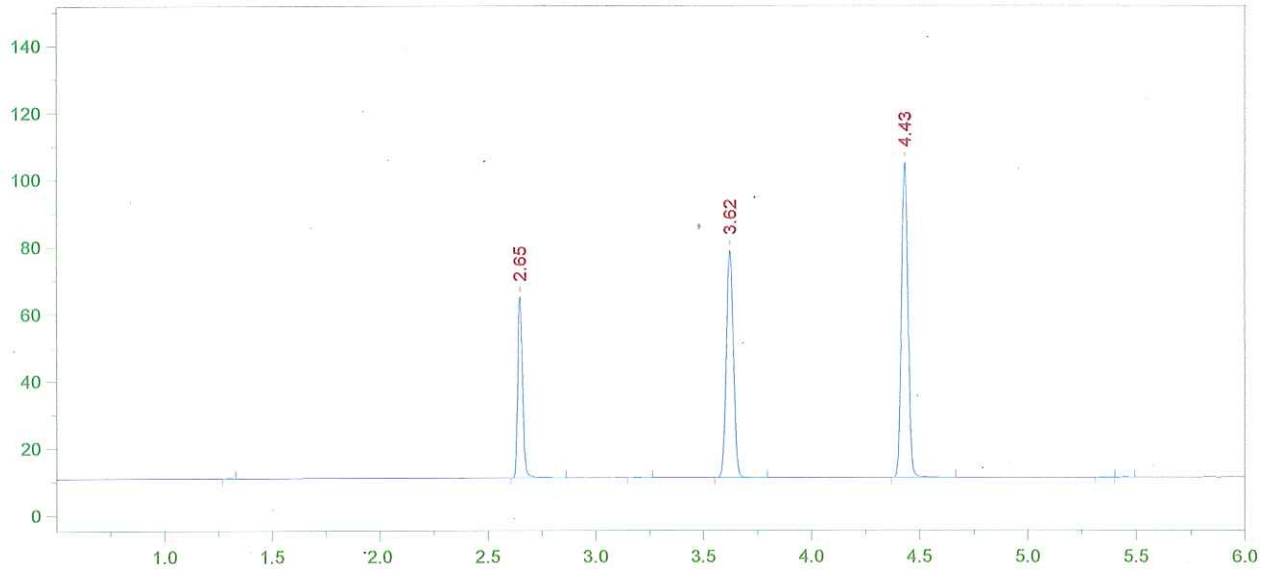
Today's Date = 2/5/2015
Today's Time = 6:04:46 PM
Bound File Name = VFL02052015.0011.RAW
Sample Name = WB QC
Date Taken = 2/5/2015 6:04:42 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	77757	0.0808
5	3.19	Isopropanol	02204	<0.004
6	3.63	t-Butanol	135836	0.9505
7	4.44	n-Propanol	184399	1.0000

Avg vials 10 + 11 = 0.079
TV = 0.080 99% recovery
2/6/15 AB

Clinique lot #1212090
2/9/15 AB

15-03-160 53 AB

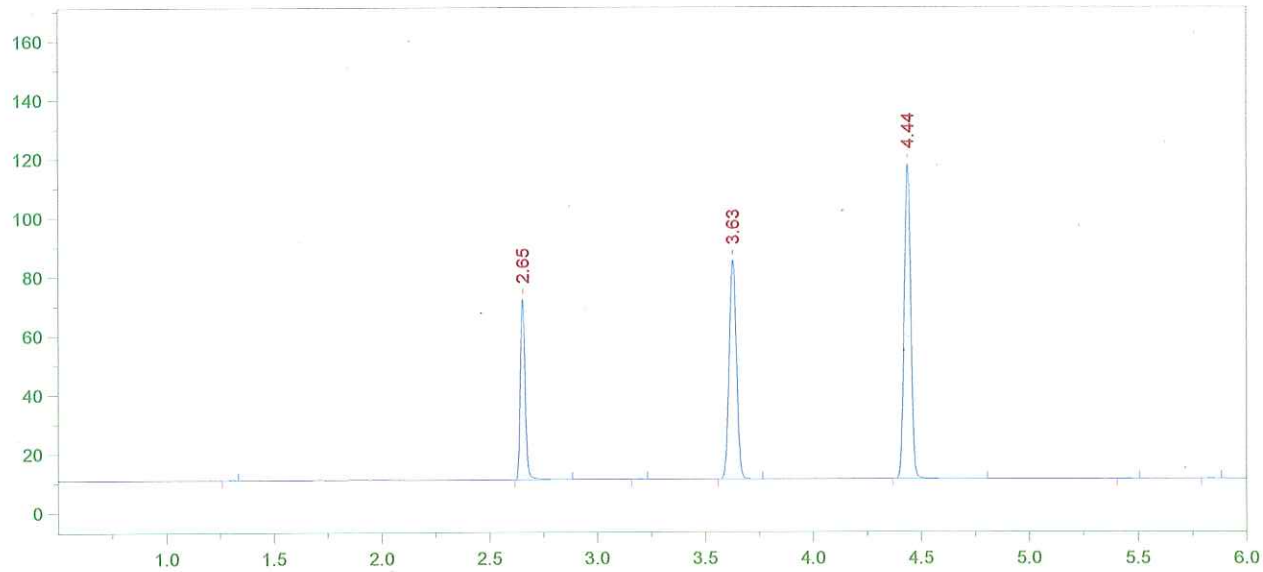


Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 6:20:27 PM
Bound File Name = VFL02052015.0012.RAW
Sample Name = CCS
Date Taken = 2/5/2015 6:20:18 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84121	0.0802
4	3.62	t-Butanol	157145	1.0086
5	4.43	n-Propanol	201038	1.0000

15-03-160 54 AB



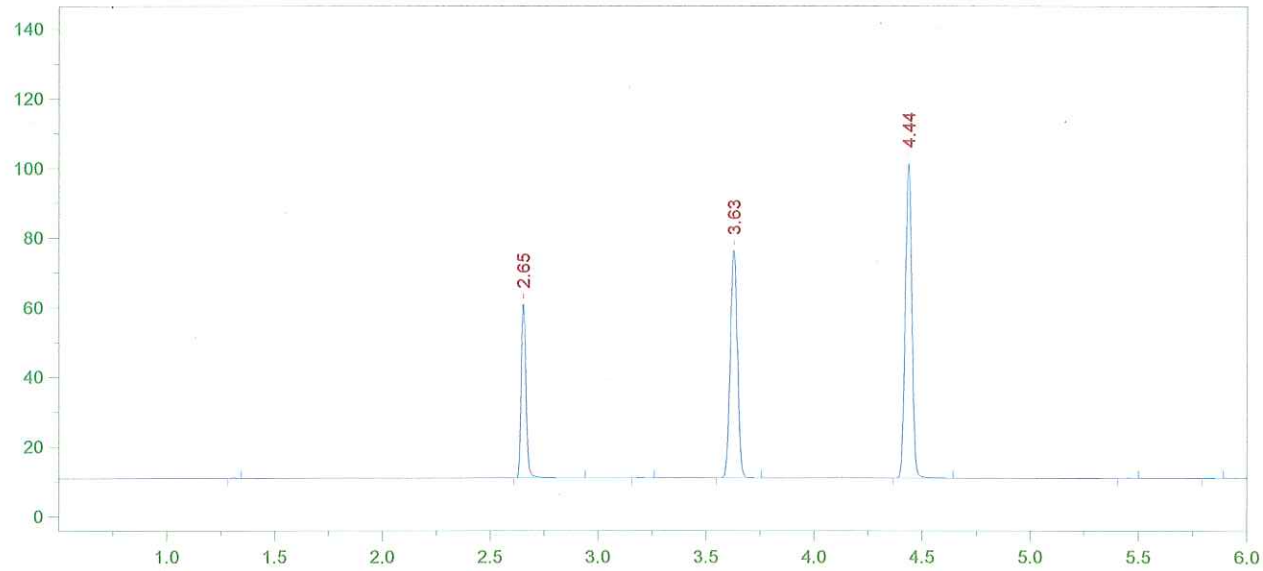
Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 6:35:19 PM
Bound File Name = VFL02052015.0013.RAW
Sample Name = CCS
Date Taken = 2/5/2015 6:35:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	95258	0.0801
4	3.63	t-Butanol	172582	0.9769
5	4.44	n-Propanol	227944	1.0000

Avg vials 12 + 13 = 0.080
2/6/15 AB

15-03-160 55 AB

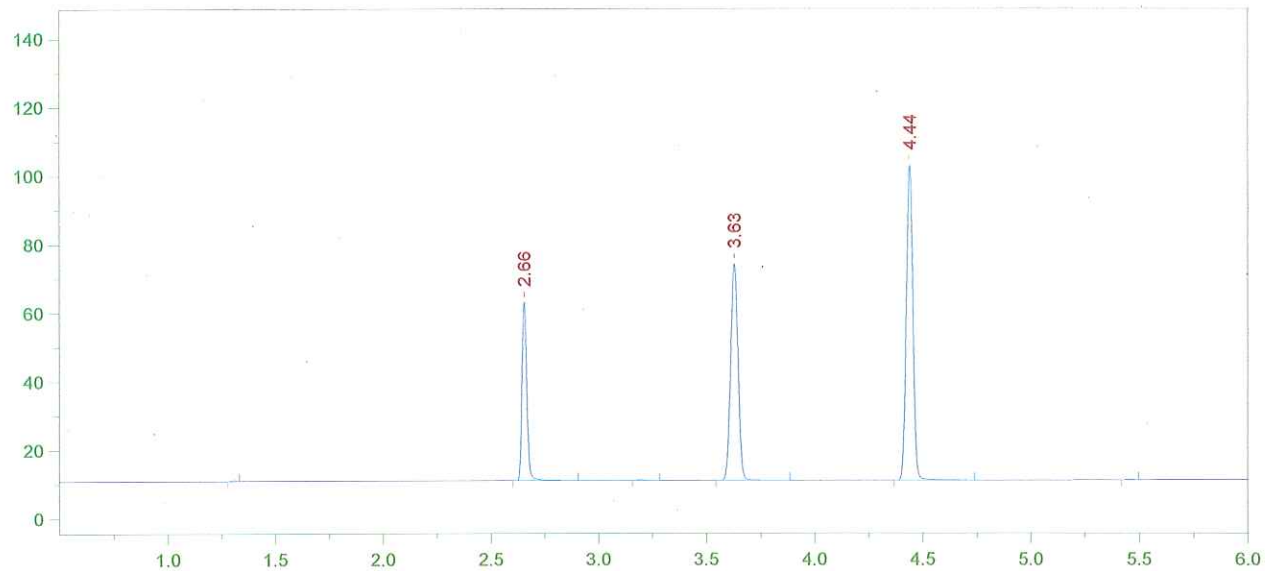


Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 8:57:29 PM
Bound File Name = VFL02052015.0022.RAW
Sample Name = CCS
Date Taken = 2/5/2015 8:57:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78551	0.0785
4	3.63	t-Butanol	151504	1.0203
5	4.44	n-Propanol	191596	1.0000

15-03-160 56 AB



Format File Name = AlcoholVFL.FMT

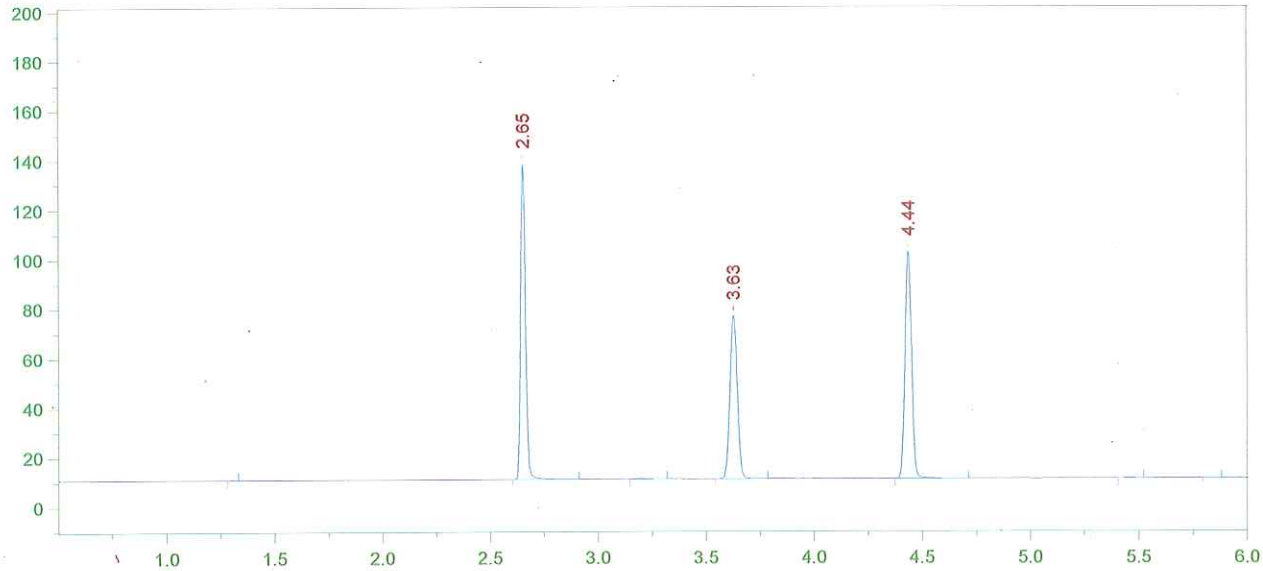
Today's Date = 2/5/2015
Today's Time = 9:10:45 PM
Bound File Name = VFL02052015.0023.RAW
Sample Name = CCS
Date Taken = 2/5/2015 9:10:40 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	81885	0.0800
4	3.63	t-Butanol	146549	0.9645
5	4.44	n-Propanol	196063	1.0000

Avg Vals 22 + 23 = 0.079

2/6/15 AB

15-03-160 57 AB

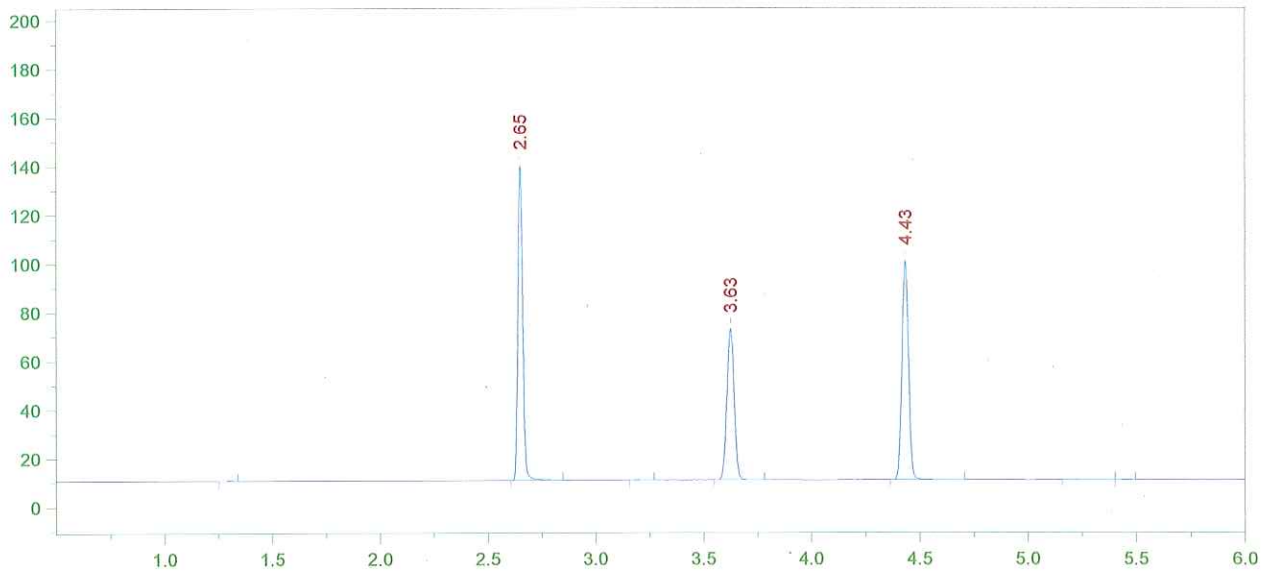


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 9:27:12 PM
Bound File Name = VFL02052015.0024.RAW
Sample Name = 0.16 SIM ALB
Date Taken = 2/5/2015 9:27:08 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	195546	0.1919	0.1566
4	3.63	t-Butanol	152924	1.0107	0.8249
5	4.44	n-Propanol	195242	1.0000	0.8162

15-03-160 SS AB

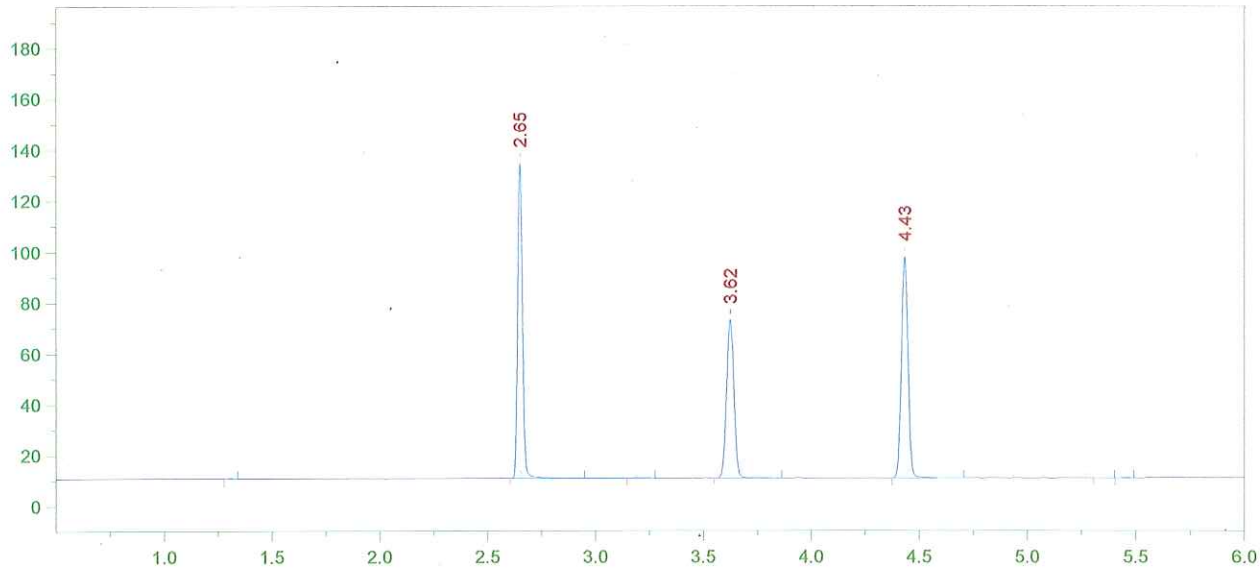


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 9:42:12 PM
Bound File Name = VFL02052015.0025.RAW
Sample Name = 0.16 SIM ALB
Date Taken = 2/5/2015 9:42:04 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	198511	0.1980	0.1616
4	3.63	t-Butanol	144127	0.9684	0.7904
5	4.43	n-Propanol	192042	1.0000	0.8162

15-03-160 59 AB

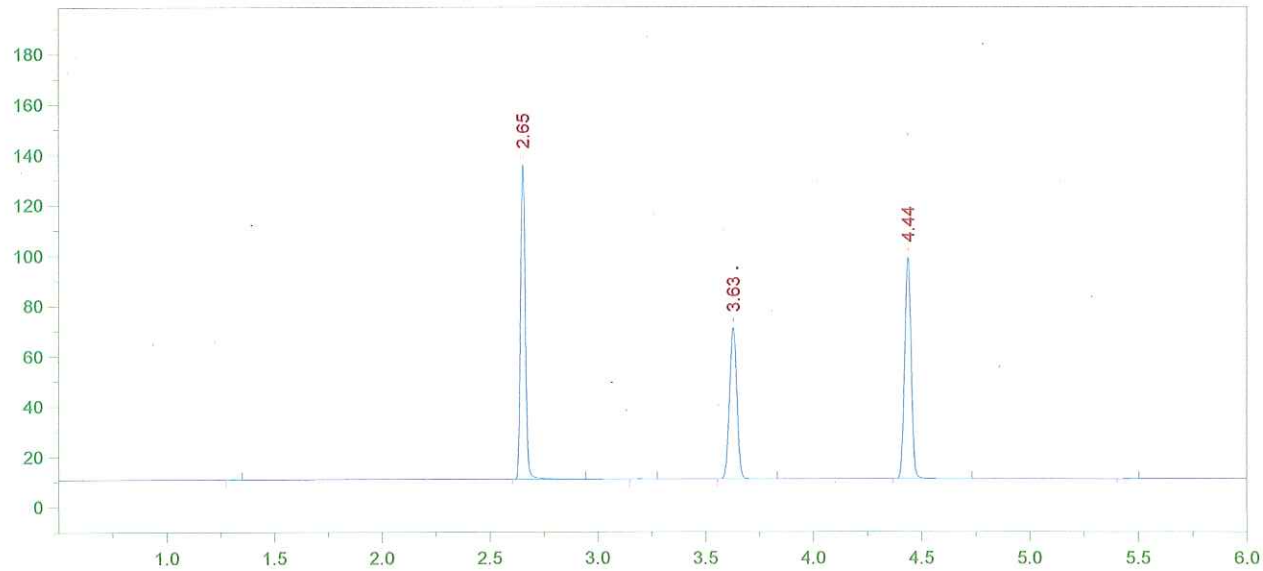


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 9:58:47 PM
Bound File Name = VFL02052015.0026.RAW
Sample Name = 0.16 SIM ALB
Date Taken = 2/5/2015 9:58:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	189527	0.1967	0.1606
4	3.62	t-Butanol	144589	1.0109	0.8251
5	4.43	n-Propanol	184550	1.0000	0.8162

15-03-160 60

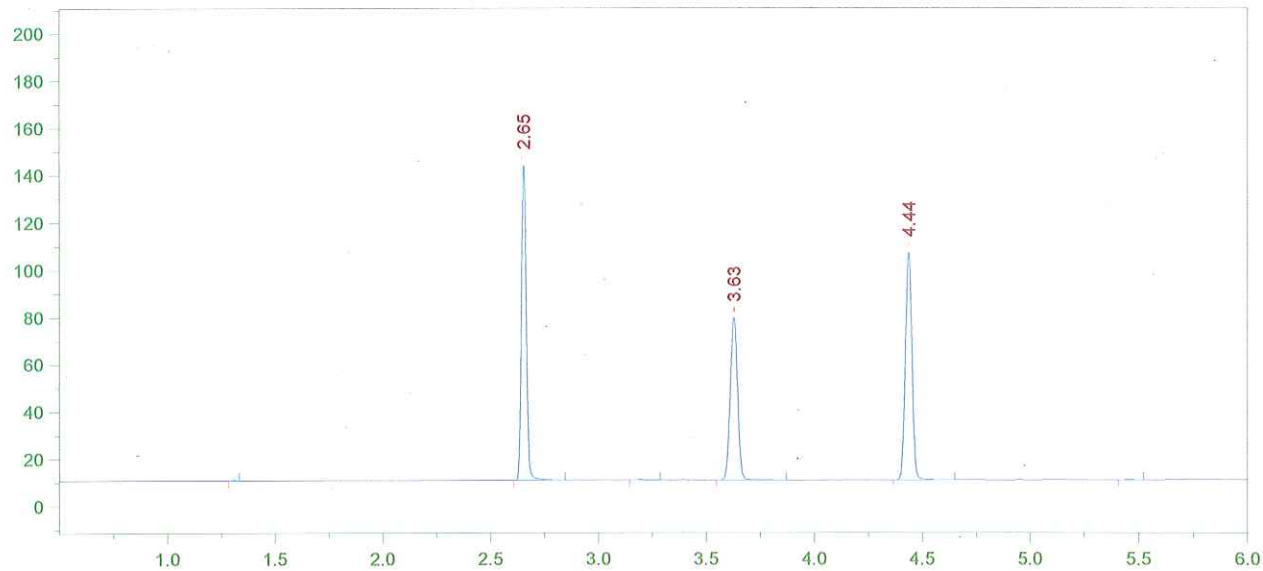


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 10:12:49 PM
Bound File Name = VFL02052015.0027.RAW
Sample Name = 0.16 SIM ALB
Date Taken = 2/5/2015 10:12:43 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	193674	0.1989	0.1624
4	3.63	t-Butanol	139726	0.9667	0.7890
5	4.44	n-Propanol	186508	1.0000	0.8162

15-03-160 161 JB

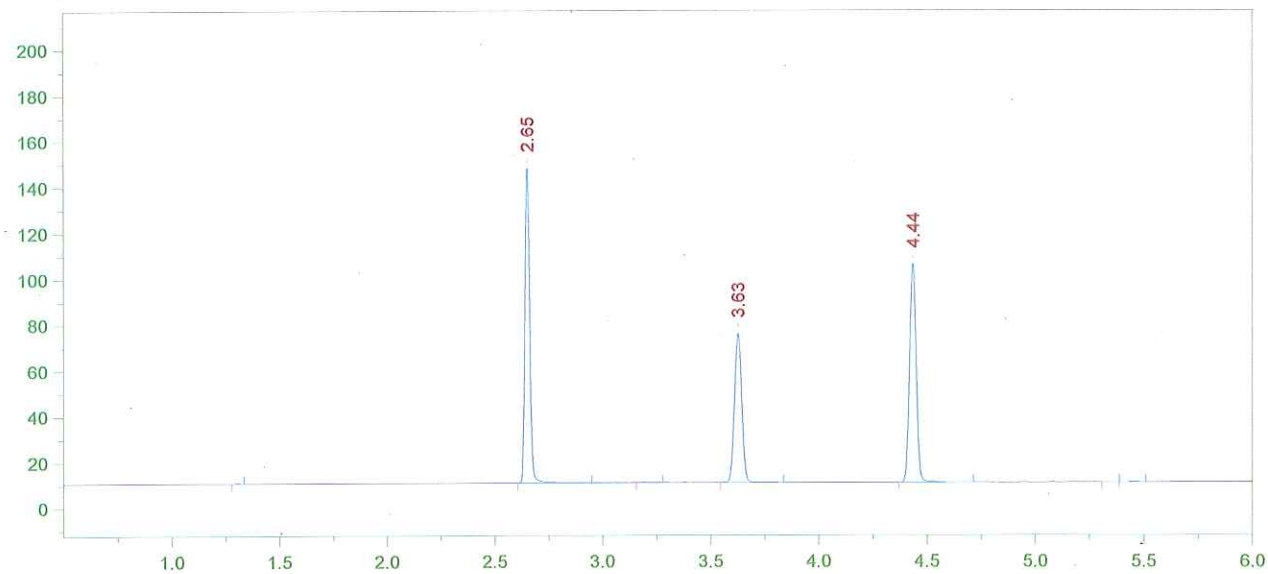


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 10:28:28 PM
Bound File Name = VFL02052015.0028.RAW
Sample Name = 0.16 SIM ALB
Date Taken = 2/5/2015 10:28:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	205648	0.1927	0.1573
4	3.63	t-Butanol	159894	1.0094	0.8239
5	4.44	n-Propanol	204390	1.0000	0.8162

15-03-160 62 SB

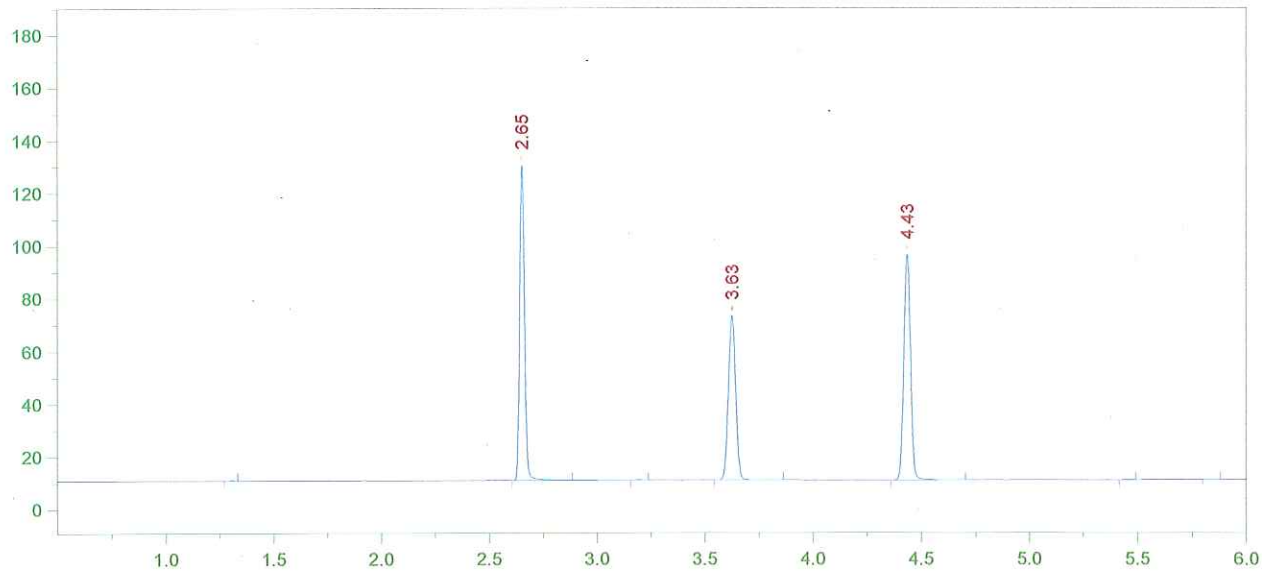


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 10:44:04 PM
Bound File Name = VFL02052015.0029.RAW
Sample Name = 0.16 SIM ALB
Date Taken = 2/5/2015 10:43:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	211118	0.1981	0.1617
4	3.63	t-Butanol	150905	0.9536	0.7784
5	4.44	n-Propanol	204183	1.0000	0.8162

15-03-160 63 AB

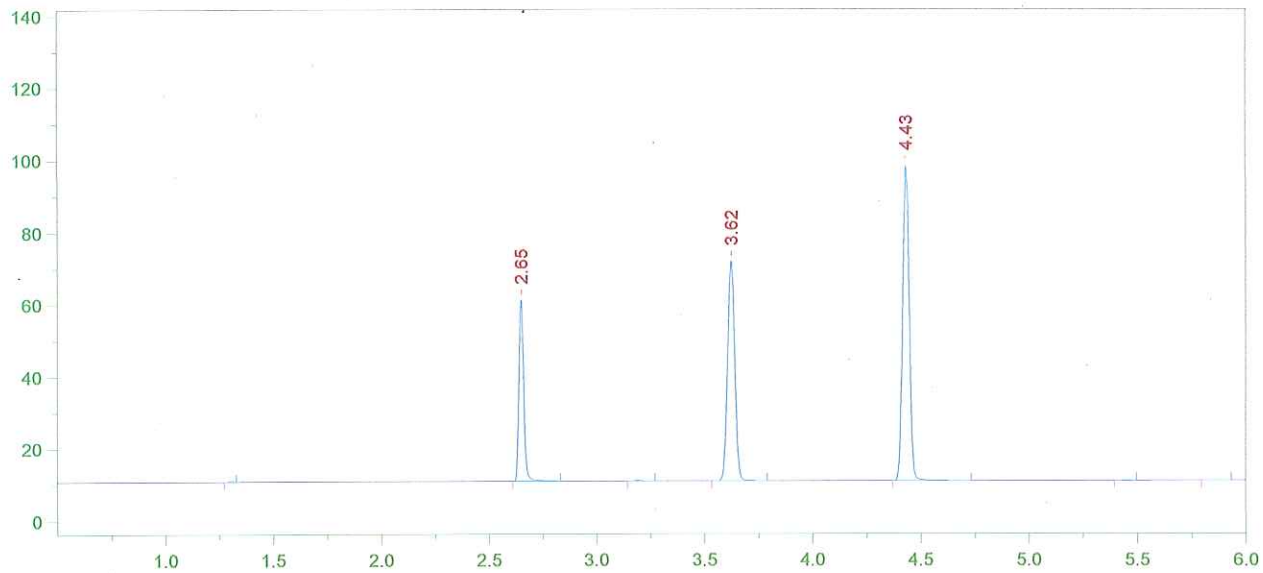


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 11:00:03 PM
Bound File Name = VFL02052015.0030.RAW
Sample Name = 0.16 SIM ALB
Date Taken = 2/5/2015 10:59:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	183823	0.1924	0.1570
4	3.63	t-Butanol	144398	1.0180	0.8309
5	4.43	n-Propanol	183026	1.0000	0.8162

15-03-160 64 AB

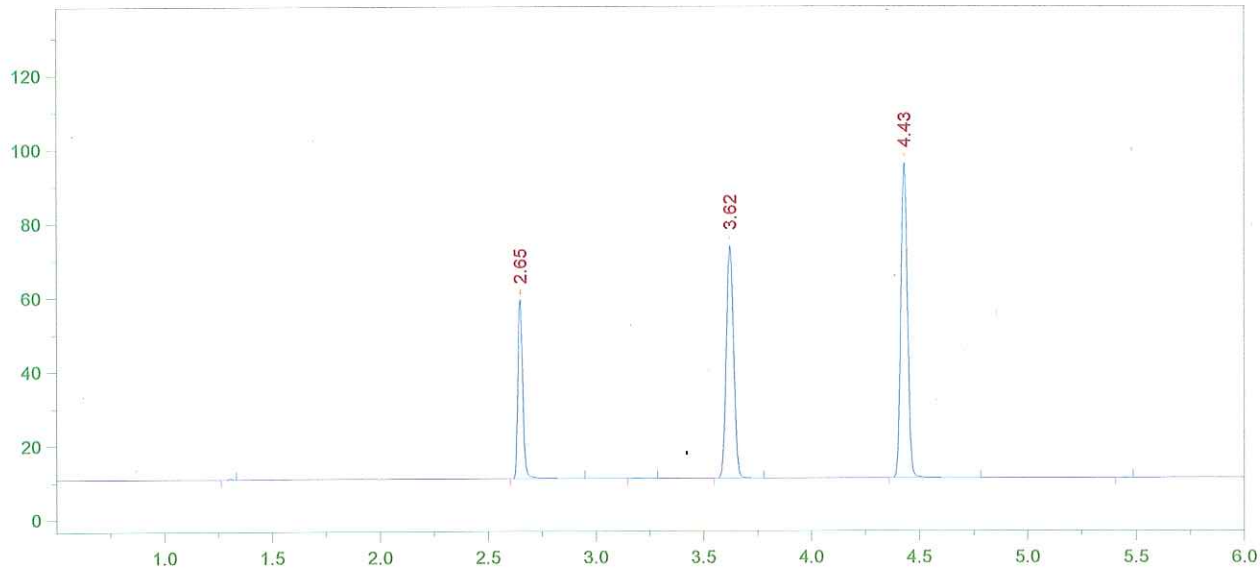


Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 11:13:50 PM
Bound File Name = VFL02052015.0031.RAW
Sample Name = CCS
Date Taken = 2/5/2015 11:13:42 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77952	0.0805
4	3.62	t-Butanol	141936	0.9876
5	4.43	n-Propanol	185442	1.0000

15-03-160 65 SB



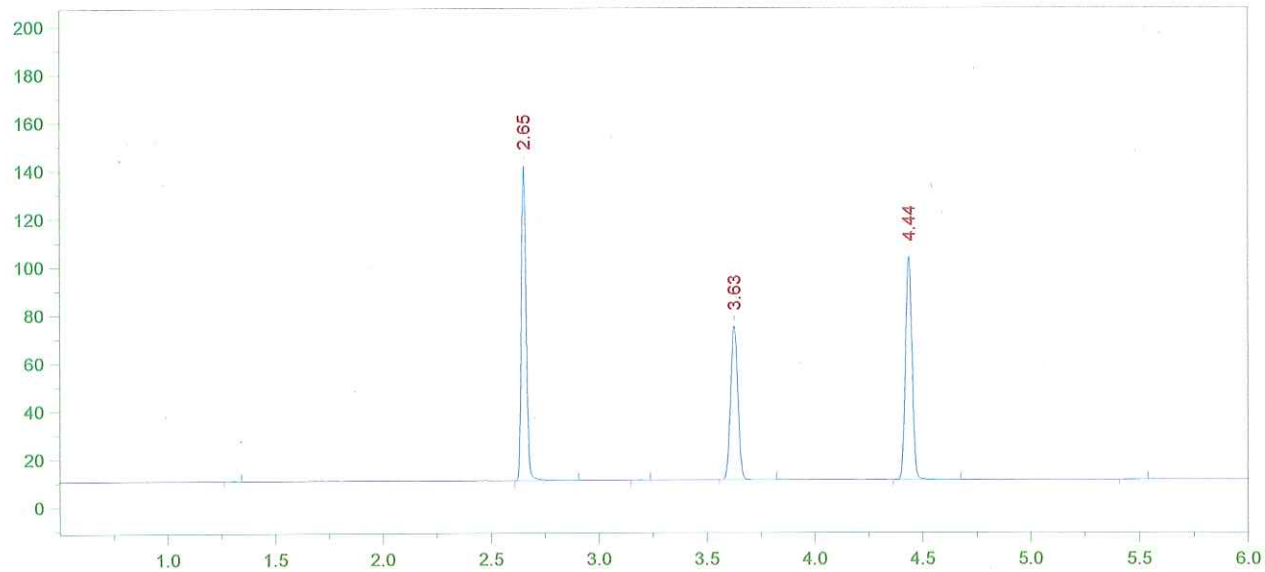
Format File Name = AlcoholVFL.FMT

Today's Date = 2/5/2015
Today's Time = 11:31:31 PM
Bound File Name = VFL02052015.0032.RAW
Sample Name = CCS
Date Taken = 2/5/2015 11:31:23 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75662	0.0795
4	3.62	t-Butanol	145793	1.0321
5	4.43	n-Propanol	182265	1.0000

Avg Vials 31 + 32 = 0.080
2/6/15 AB

15-03-160 66 AB

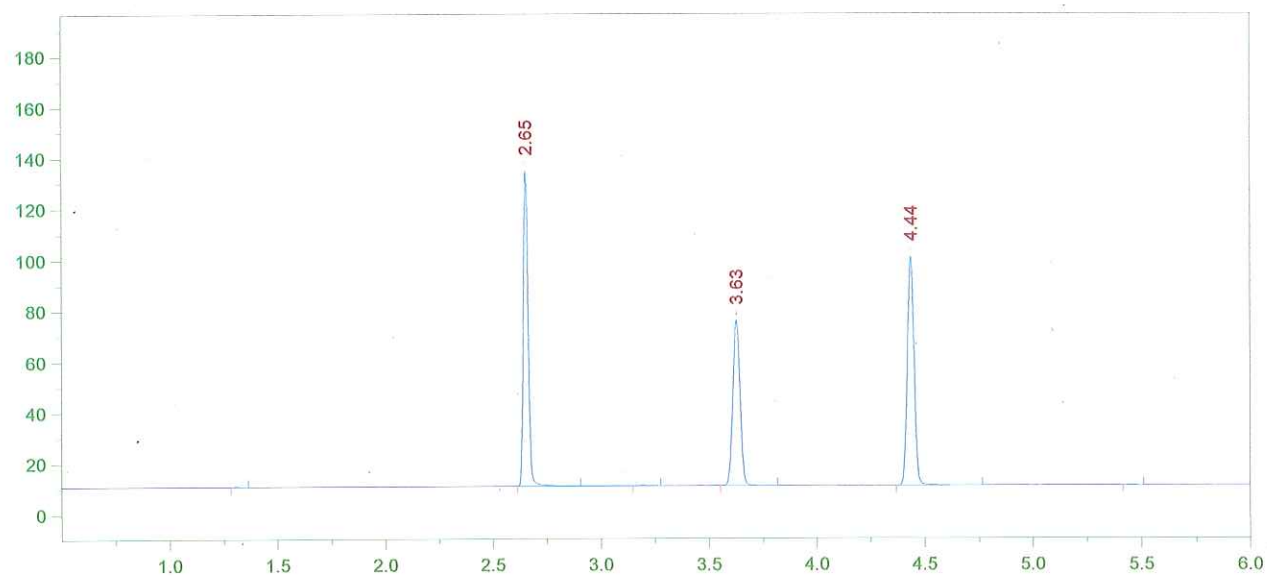


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/5/2015
Today's Time = 11:45:35 PM
Bound File Name = VFL02052015.0033.RAW
Sample Name = 0.16 SIM TLC
Date Taken = 2/5/2015 11:45:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	200154	0.1946	0.1588
4	3.63	t-Butanol	148914	0.9751	0.7959
5	4.44	n-Propanol	197060	1.0000	0.8162

15-03-160 67 AB

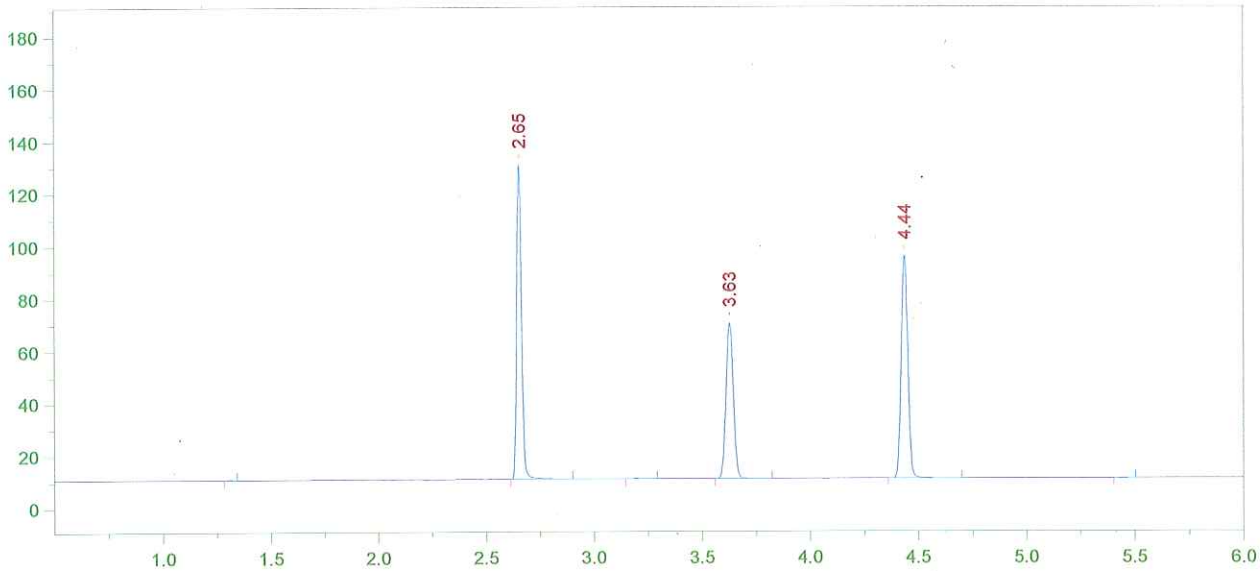


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/6/2015
Today's Time = 12:01:14 AM
Bound File Name = VFL02052015.0034.RAW
Sample Name = 0.16 SIM TLC
Date Taken = 2/6/2015 12:01:09 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	190527	0.1907	0.1557
4	3.63	t-Butanol	151040	1.0184	0.8312
5	4.44	n-Propanol	191370	1.0000	0.8162

15-03-160 68 AB

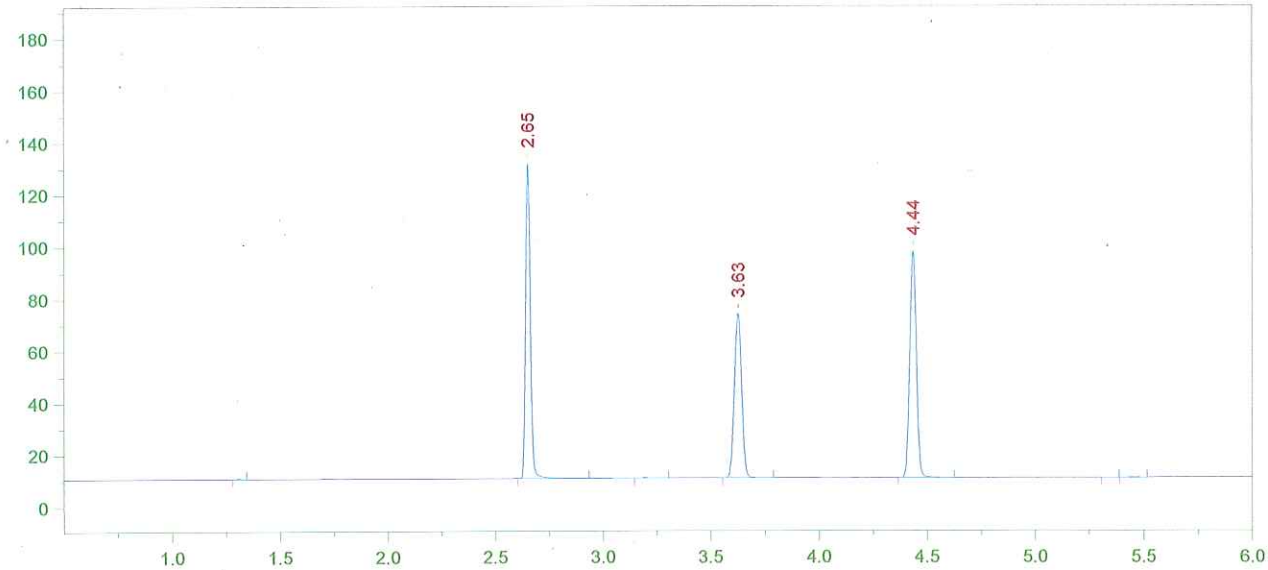


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/6/2015
Today's Time = 12:16:46 AM
Bound File Name = VFL02052015.0035.RAW
Sample Name = 0.16 SIM TLC
Date Taken = 2/6/2015 12:16:40 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	185289	0.1957	0.1597
4	3.63	t-Butanol	137875	0.9809	0.8006
5	4.44	n-Propanol	181368	1.0000	0.8162

15-03-160 69 AB

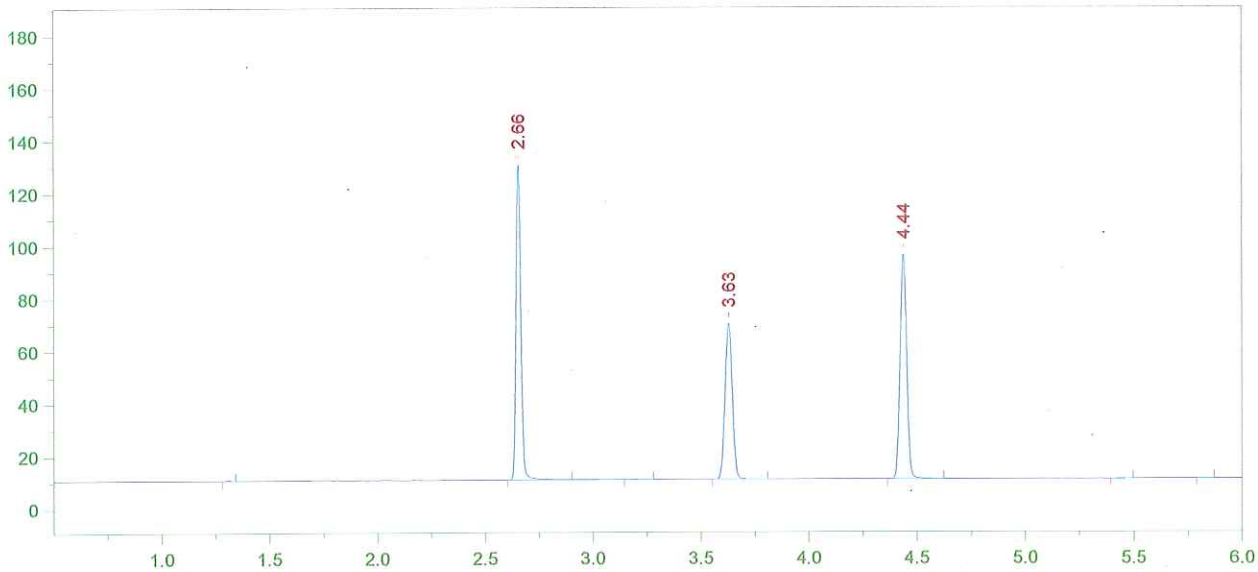


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/6/2015
Today's Time = 12:32:53 AM
Bound File Name = VFL02052015.0036.RAW
Sample Name = 0.16 SIM TLC
Date Taken = 2/6/2015 12:32:44 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	185524	0.1922	0.1569
4	3.63	t-Butanol	146743	1.0242	0.8359
5	4.44	n-Propanol	184875	1.0000	0.8162

15-03-160 70 [illegible]

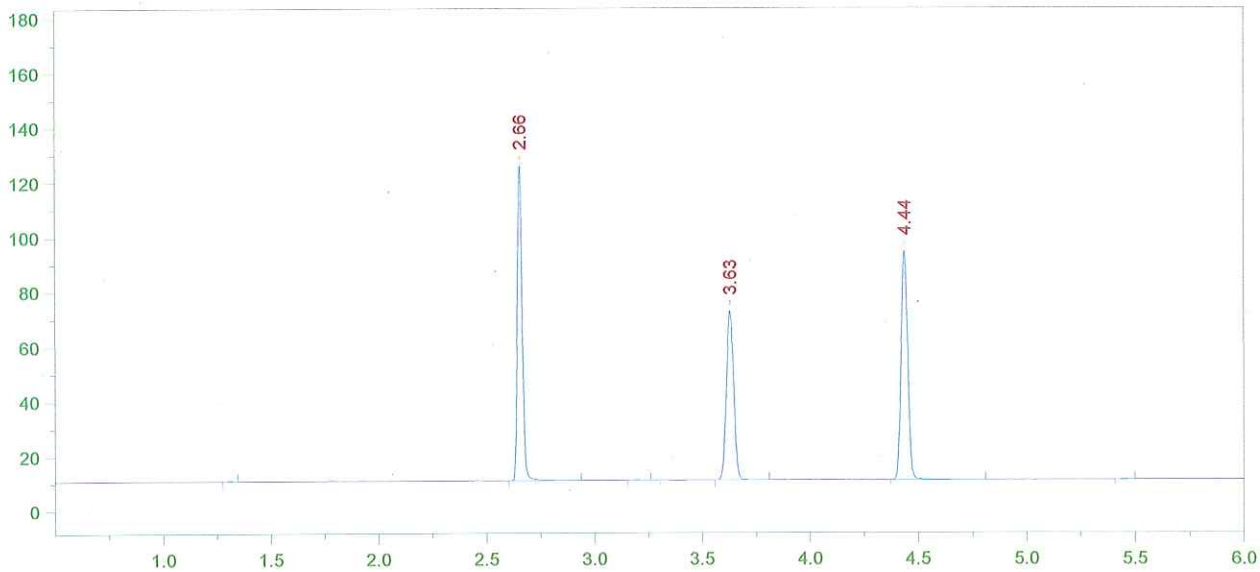


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/6/2015
Today's Time = 12:47:15 AM
Bound File Name = VFL02052015.0037.RAW
Sample Name = 0.16 SIM TLC
Date Taken = 2/6/2015 12:47:07 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	186101	0.1961	0.1601
4	3.63	t-Butanol	137793	0.9781	0.7983
5	4.44	n-Propanol	181785	1.0000	0.8162

15-03-160 71 AB

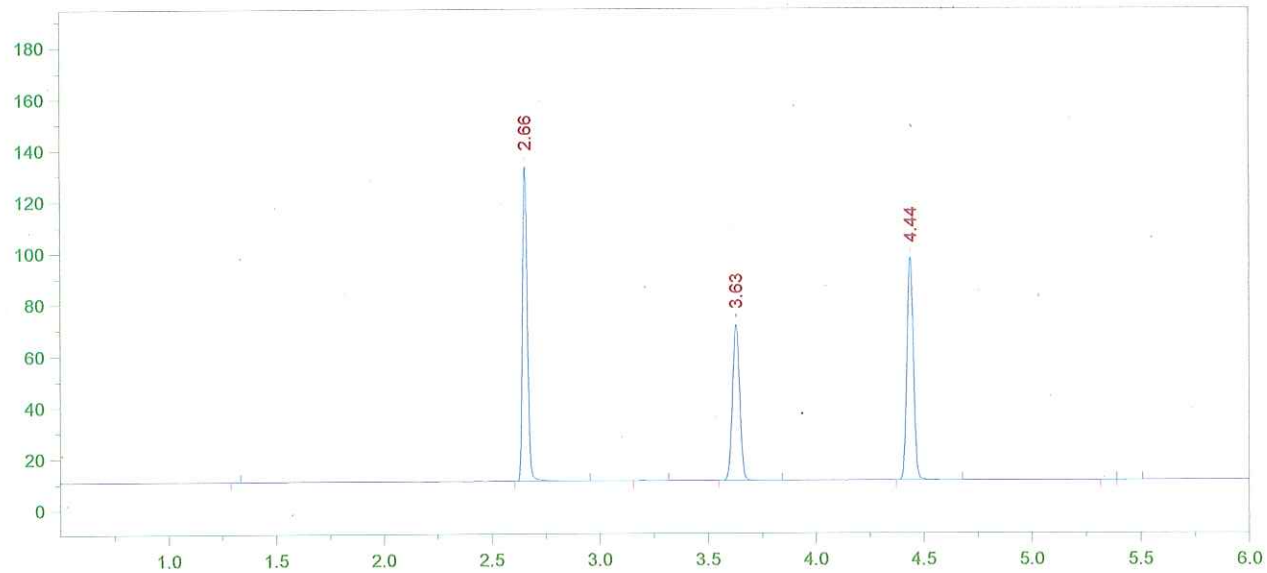


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/6/2015
Today's Time = 1:04:20 AM
Bound File Name = VFL02052015.0038.RAW
Sample Name = 0.16 SIM TLC
Date Taken = 2/6/2015 1:04:11 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	178050	0.1900	0.1551
4	3.63	t-Butanol	143301	1.0300	0.8407
5	4.44	n-Propanol	179527	1.0000	0.8162

15-03-160 72 AB

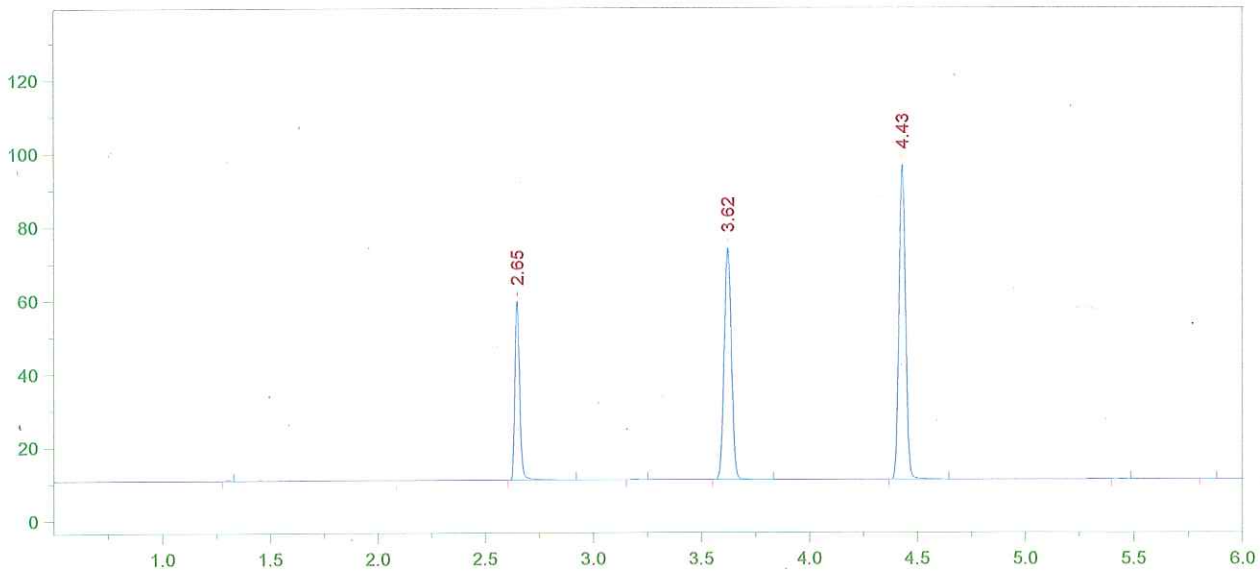


Format File Name = simsolnVFL.met.FMT

Today's Date = 2/6/2015
Today's Time = 1:18:19 AM
Bound File Name = VFL02052015.0039.RAW
Sample Name = 0.16 SIM TLC
Date Taken = 2/6/2015 1:18:13 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	188887	0.1951	0.1593
4	3.63	t-Butanol	140568	0.9781	0.7983
5	4.44	n-Propanol	185439	1.0000	0.8162

15-03-160 73 AB

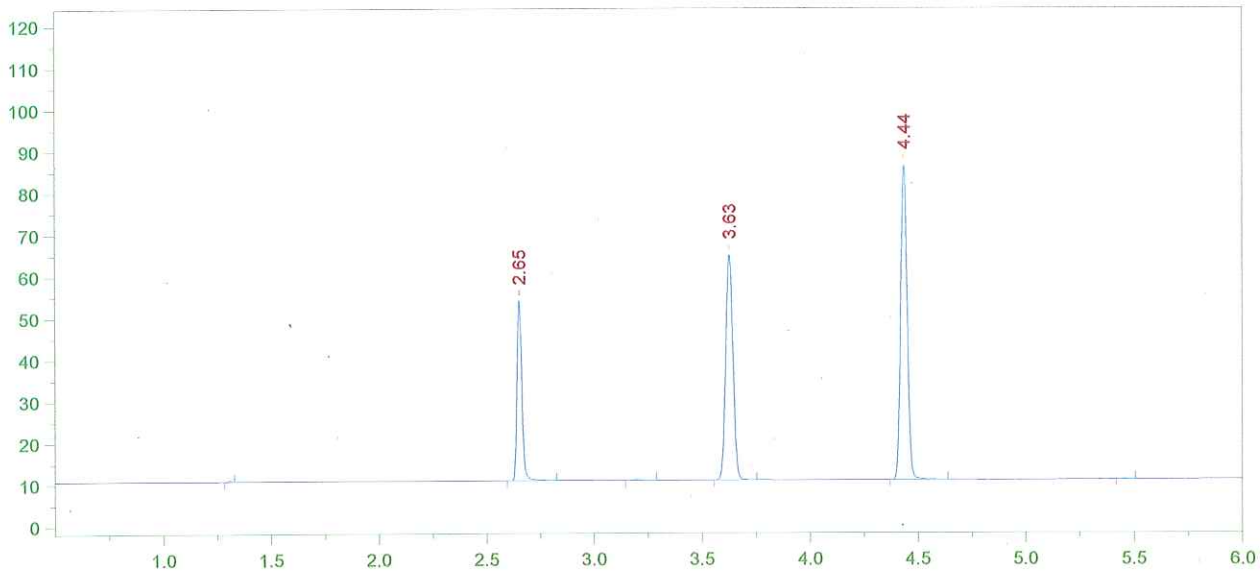


Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 1:35:49 AM
Bound File Name = VFL02052015.0040.RAW
Sample Name = CCS
Date Taken = 2/6/2015 1:35:40 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76163	0.0800
4	3.62	t-Butanol	146294	1.0355
5	4.43	n-Propanol	182302	1.0000

15-03-160 74 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 2/6/2015
Today's Time = 1:49:26 AM
Bound File Name = VFL02052015.0041.RAW
Sample Name = CCS
Date Taken = 2/6/2015 1:49:16 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL02052015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	67140	0.0801
4	3.63	t-Butanol	125567	1.0094
5	4.44	n-Propanol	160521	1.0000

Avg Vials 40 + 41 = 0.080
2/6/15 AS

15-03-160 75 AS