

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 05/19/16 SEQUENCE NAME 19May16

### EQUIPMENT

Pipettor  Hamilton MD91JC4962  Hamilton MD91JF5016  
 Gas Chromatograph  Agilent US14173023  Perkin Elmer 650N9042002

### INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN09031301 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN02021403 1.00000  
 Vial 3 0.20 calibrator Lot FN032712-01  
 Vial 4 0.40 calibrator Lot FN012712-01

### CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	blank	Not detected	Not detected	SPD lab 110215
6	volatiles mixture	6 compounds	6 compounds	SPD lab 030916 ASL
7	aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 05012012-C
8	aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 30112011-B
9	blood control	0.200 g/dL	0.202 g/dL	ACQ 402101060/6
20	aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 14112011-A
25	aqueous control	0.400 g/dL	0.404 g/dL	Lipomed 05012012-C
26	aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 30112011-B
27	blood control	0.200 g/dL	0.202 g/dL	ACQ 402101060/6
28	blank	No detected	Not detected	SPD lab 110215

### SUBJECT SAMPLES

Subjects in the sequence 7 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

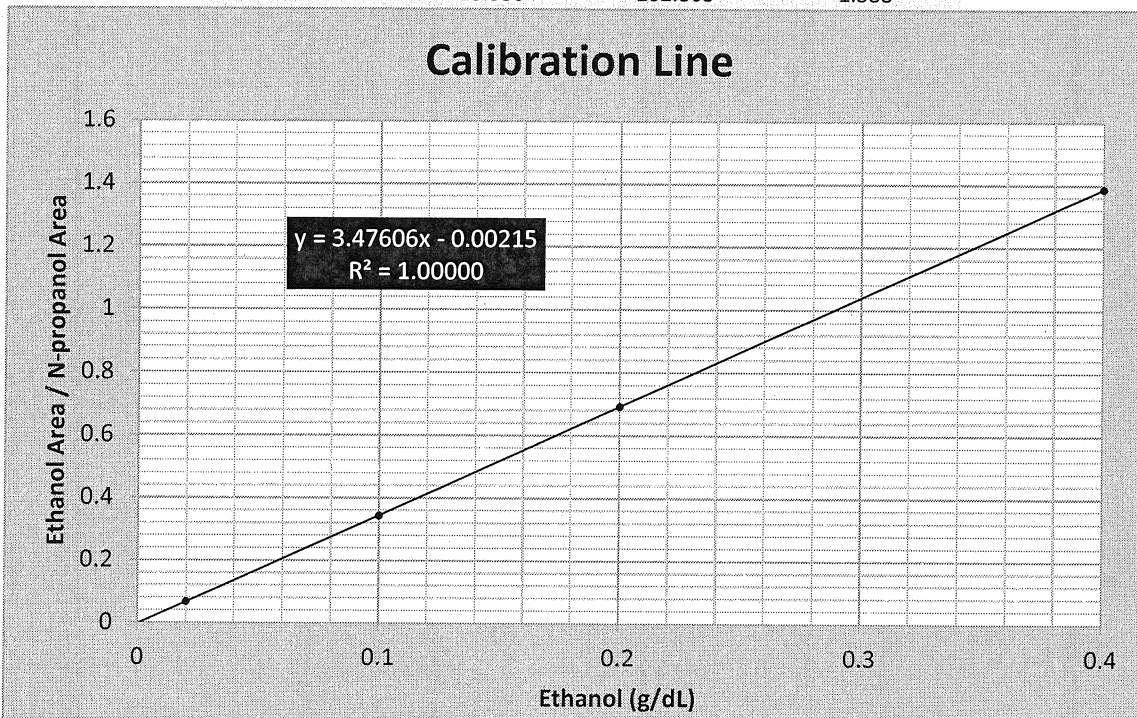
Run valid  Run invalid  A.B1255 5/20/16 Analyst  
 Run valid  Run invalid  MM B1466 5/23/16 Technical Reviewer

**SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY  
SEQUENCE QUALITY ASSURANCE SUMMARY**

SEQUENCE NAME: 19May16 *AK*

Control	Vial	Expected Value (g/dL)	Measured Value (g/dL)	Percent Difference	Absolute Difference (g/dl)
1	5	negative	negative	-	-
2	7	0.400	0.400	0.00	0.000
3	8	0.040	0.039	2.50	-0.001
4	9	0.200	0.202	1.00	0.002
5	20	0.080	0.080	0.00	0.000
6	25	0.400	0.404	1.00	0.004
7	26	0.040	0.040	0.00	0.000
8	27	0.200	0.202	1.00	0.002
9	28	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.018	162.444	0.068
0.100	54.216	157.278	0.345
0.200	109.781	158.339	0.693
0.400	225.330	162.305	1.388



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.02 Cerilliant FN09031301  
 Injected: 5/19/2016 4:04:28 PM Vial: 1  
 Data File: C:\Chem32\1\Data\19May16\001F0101.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

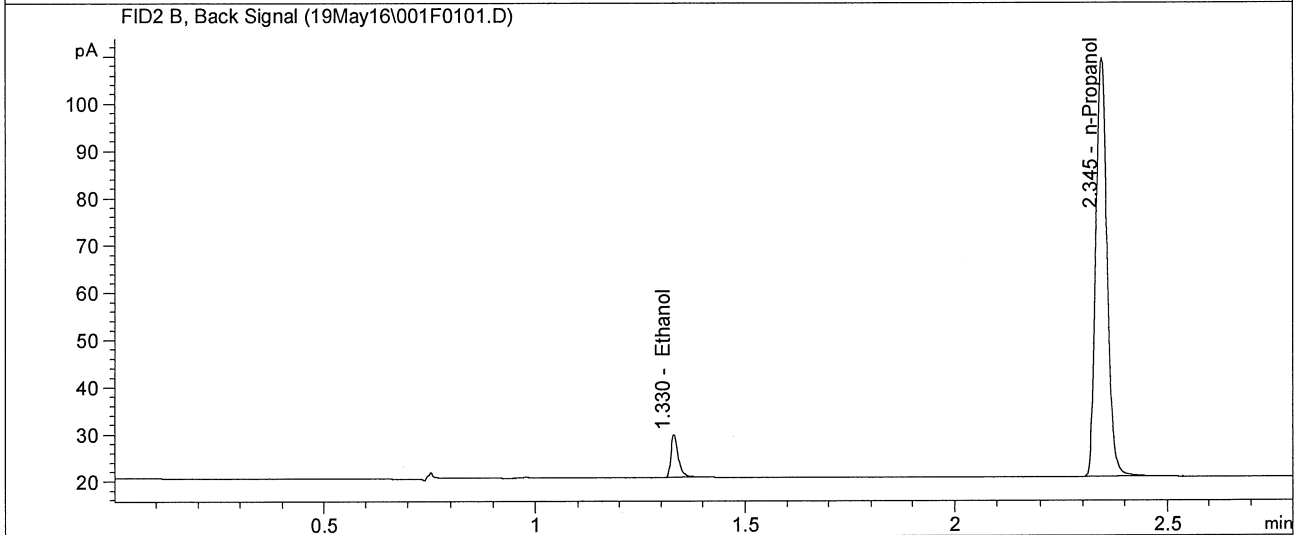


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.0199	1.228	11.018
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.016	162.444

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.330	11.015
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.345	165.676

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.10 Cerilliant FN02021403  
 Injected: 5/19/2016 4:08:27 PM Vial: 2  
 Data File: C:\Chem32\1\Data\19May16\002F0201.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

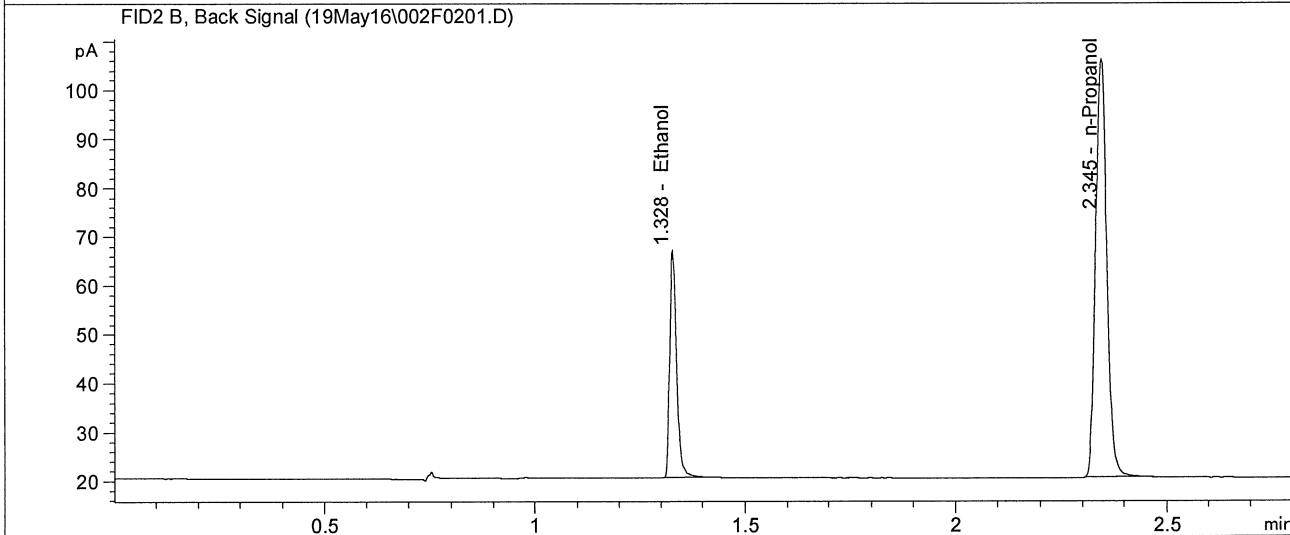
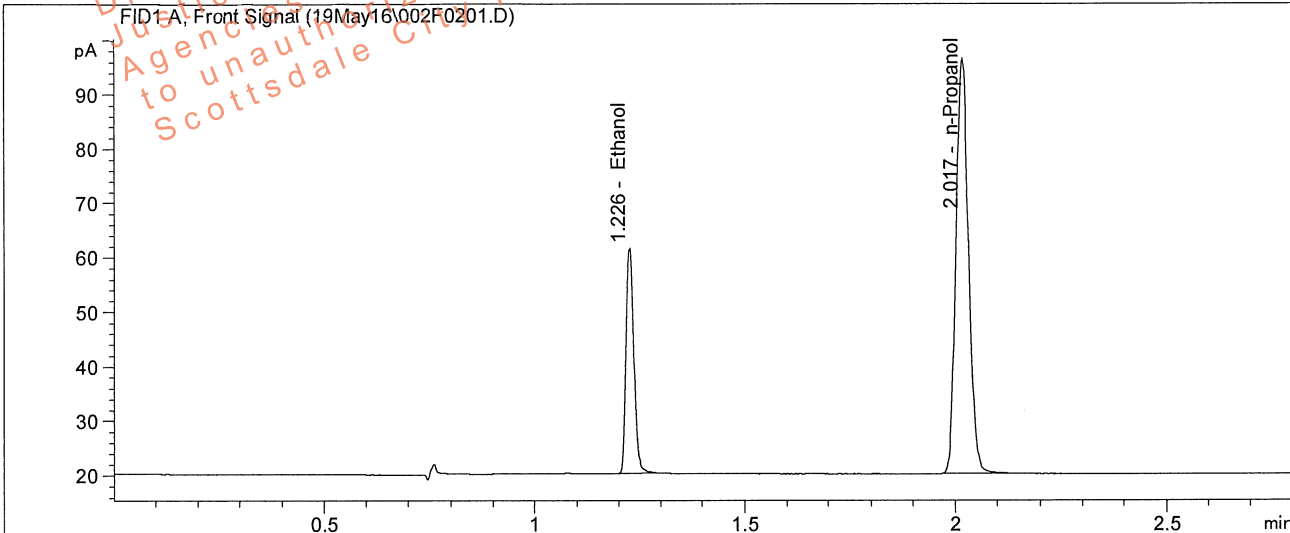


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1) Methanol		0.000	0.000
2) Acetaldehyde		0.000	0.000
3) Ethanol	0.0956	1.226	54.216
4) Isopropanol		0.000	0.000
5) Acetone		0.000	0.000
6) n-Propanol		2.017	157.278

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1) Acetaldehyde	0.000	0.000
2) Methanol	0.000	0.000
3) Ethanol	1.328	55.220
4) Acetone	0.000	0.000
5) Isopropanol	0.000	0.000
6) n-Propanol	2.345	160.473

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.20 Cerilliant FN032712-01  
 Injected: 5/19/2016 4:12:28 PM Vial: 3  
 Data File: C:\Chem32\1\Data\19May16\003F0301.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

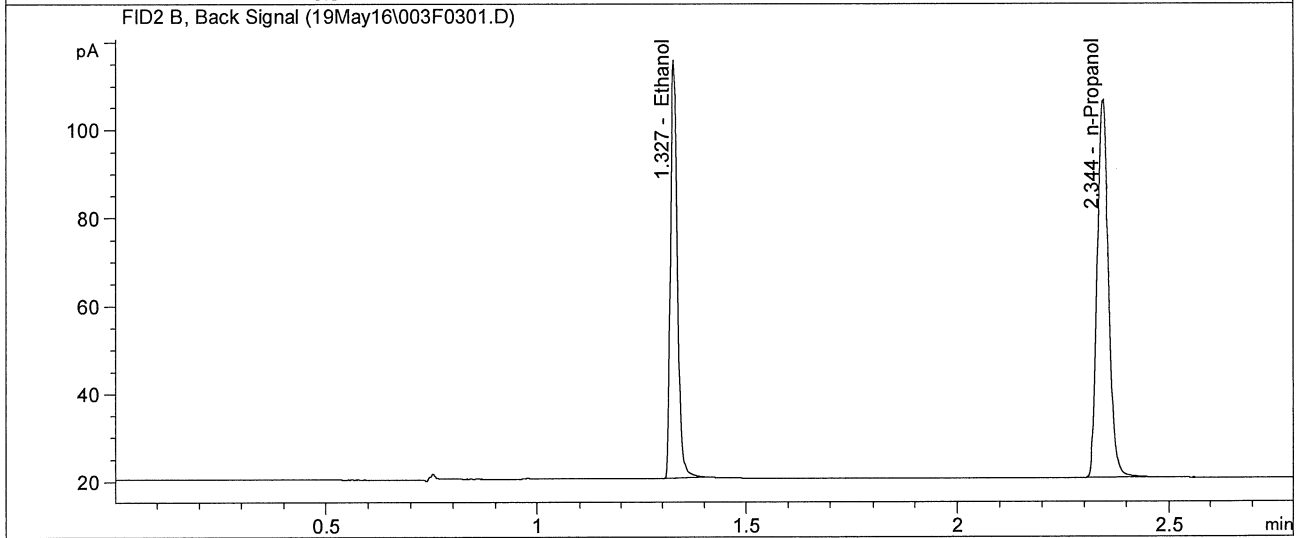
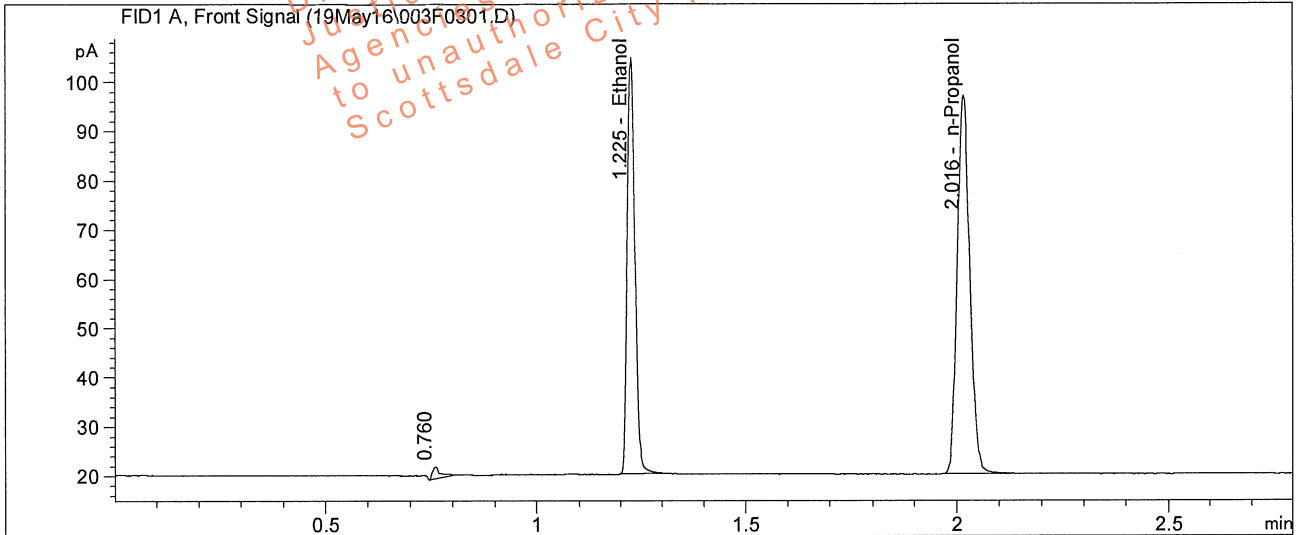


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1909	1.225	109.781
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.016	158.339

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.327	111.916
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.344	161.239

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.40 Cerilliant FN012712-01  
 Injected: 5/19/2016 4:16:27 PM Vial: 4  
 Data File: C:\Chem32\1\Data\19May16\004F0401.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki, K  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

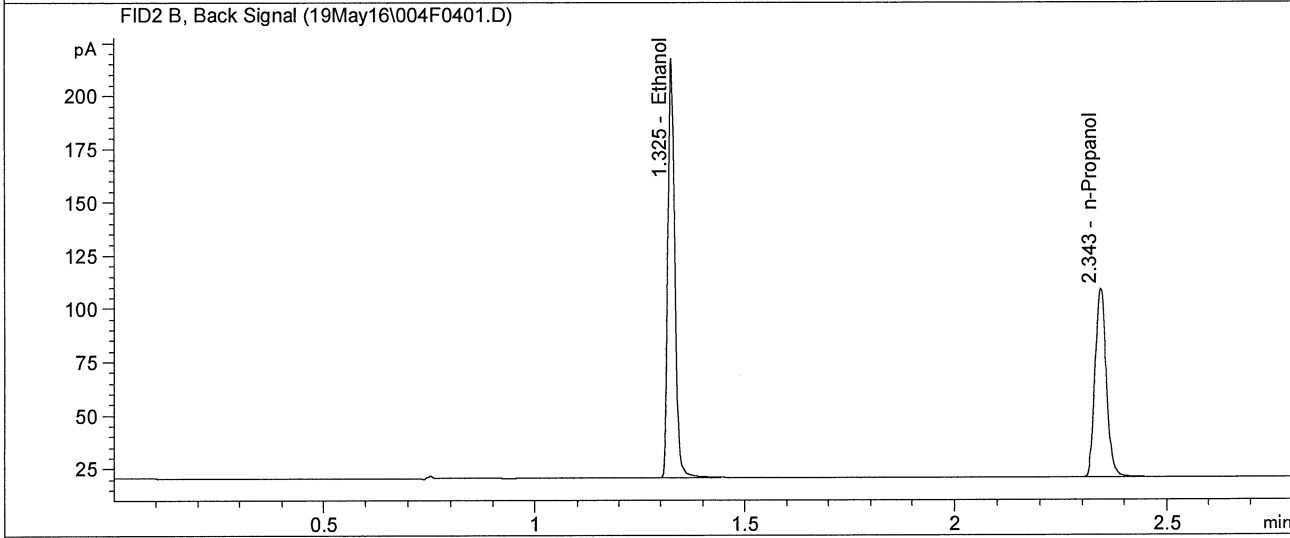
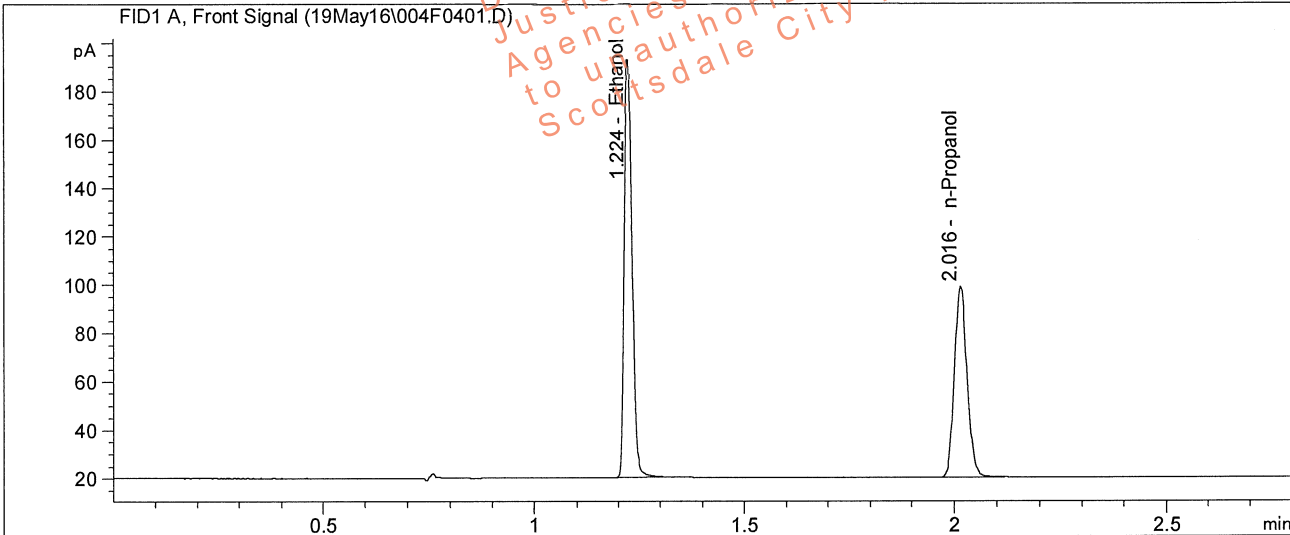


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1) Methanol		0.000	0.000
2) Acetaldehyde		0.000	0.000
3) Ethanol	0.4000	1.224	225.330
4) Isopropanol		0.000	0.000
5) Acetone		0.000	0.000
6) n-Propanol		2.016	162.305

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1) Acetaldehyde	0.000	0.000
2) Methanol	0.000	0.000
3) Ethanol	1.325	230.667
4) Acetone	0.000	0.000
5) Isopropanol	0.000	0.000
6) n-Propanol	2.343	165.598

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: blank 110215  
 Injected: 5/19/2016 4:20:28 PM Vial: 5  
 Data File: C:\Chem32\1\Data\19May16\005F0501.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

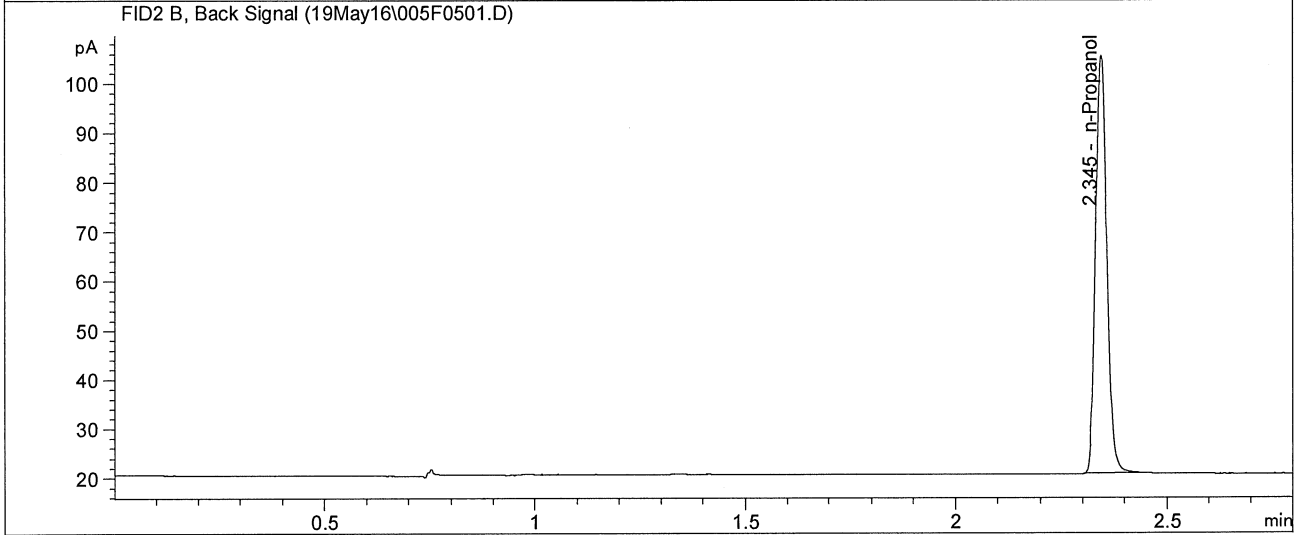
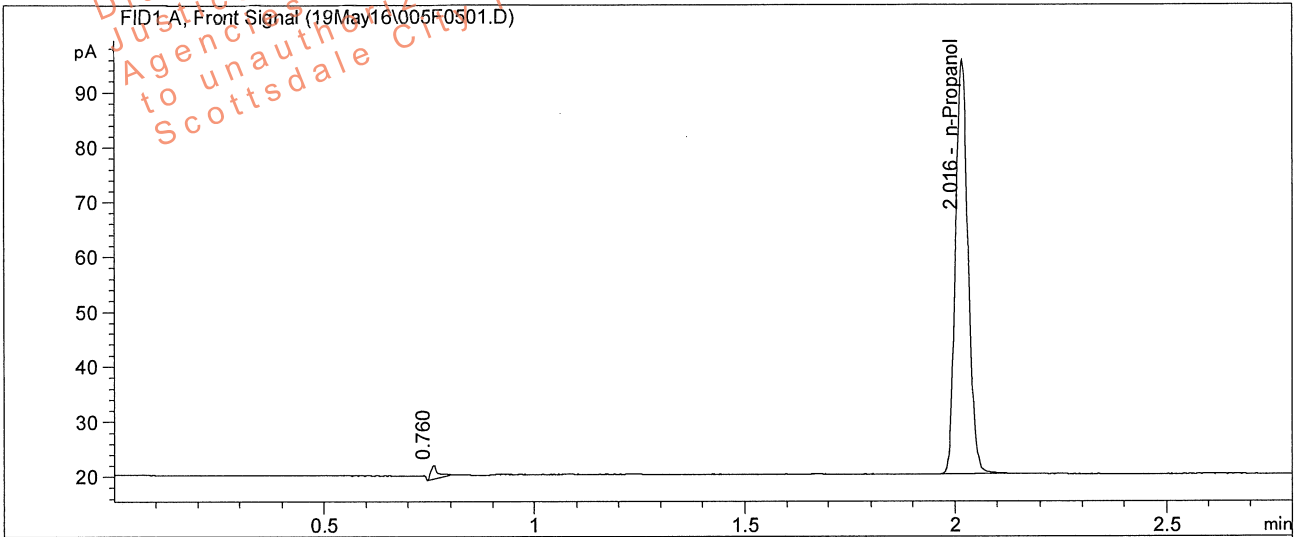


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.0000	0.000	0.000
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.016	155.830

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	0.000	0.000
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.345	158.971

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: volatiles mix 030916 ASL  
 Injected: 5/19/2016 4:24:27 PM Vial: 6  
 Data File: C:\Chem32\1\Data\19May16\006F0601.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki K  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

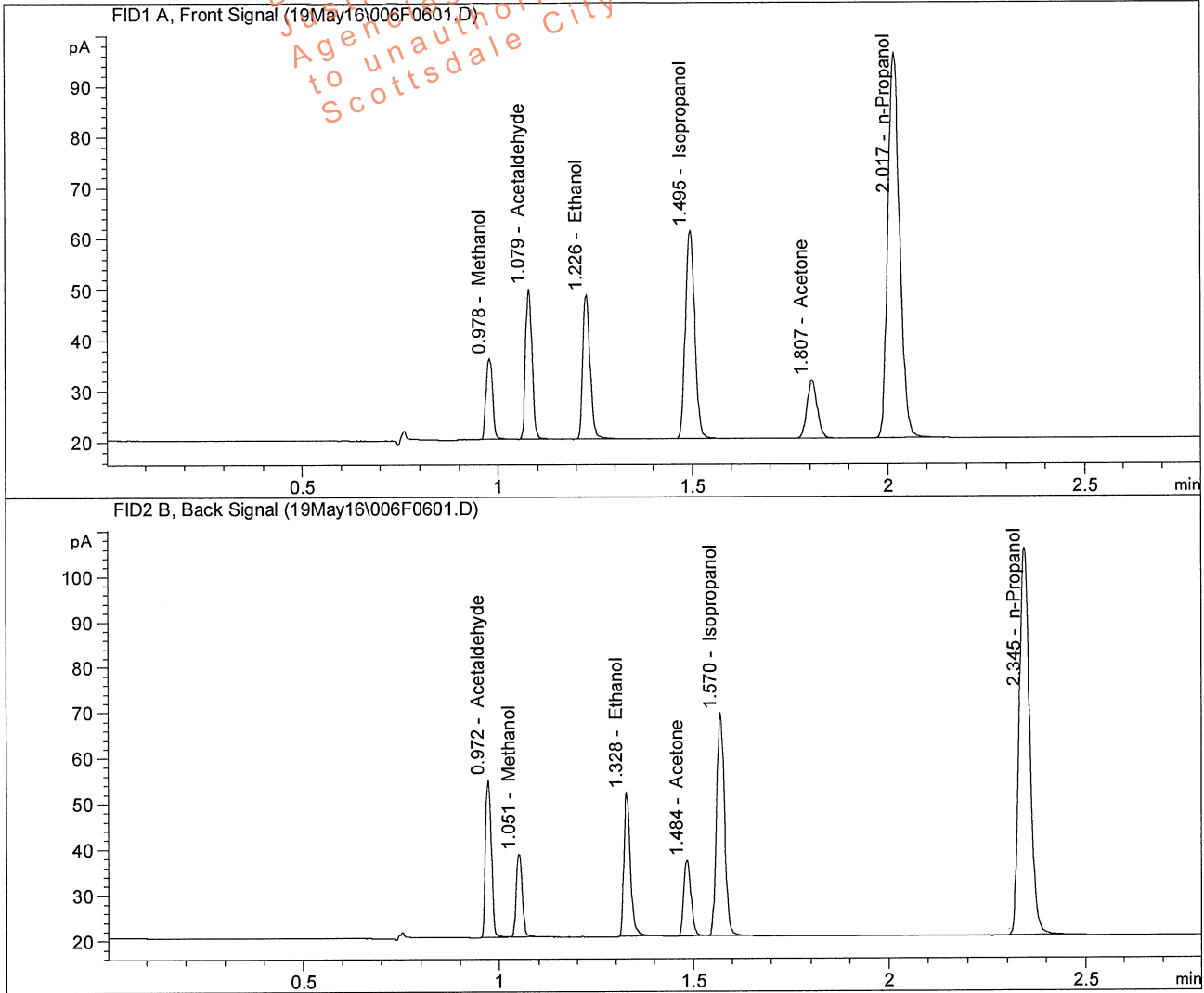


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.978	18.446
2)Acetaldehyde		1.079	33.627
3)Ethanol	0.0690	1.226	37.127
4)Isopropanol		1.495	68.015
5)Acetone		1.807	20.975
6)n-Propanol		2.017	156.217

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.972	34.995
2)Methanol	1.051	18.855
3)Ethanol	1.328	37.612
4)Acetone	1.484	21.148
5)Isopropanol	1.570	69.124
6)n-Propanol	2.345	159.251



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.40 05012012-C  
 Injected: 5/19/2016 4:28:43 PM Vial: 7  
 Data File: C:\Chem32\1\Data\19May16\007F0701.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki, A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

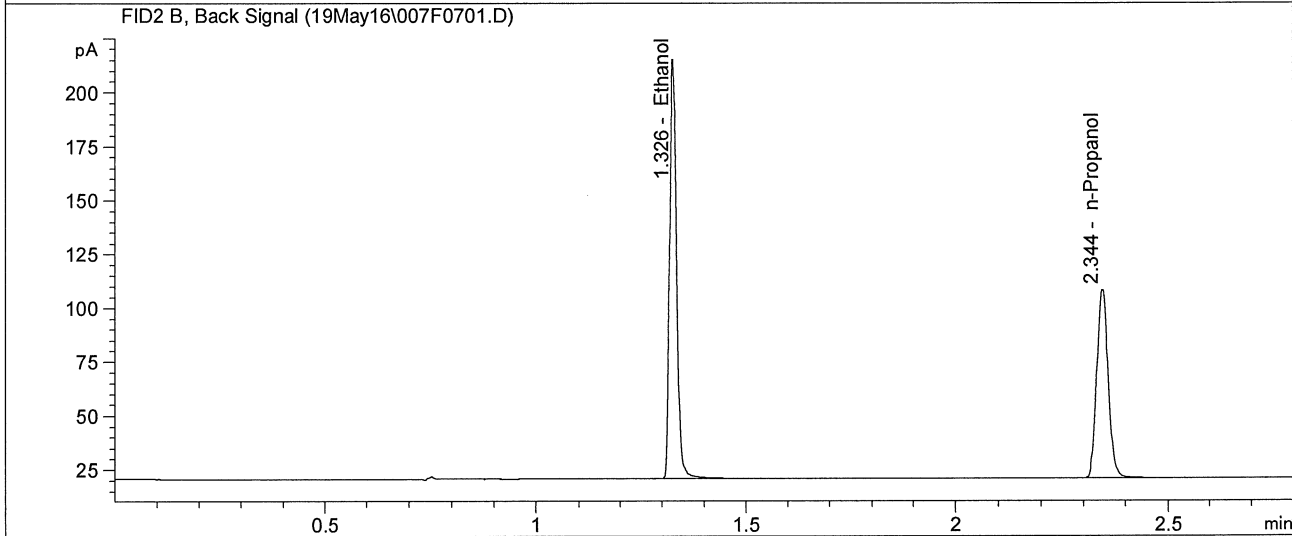
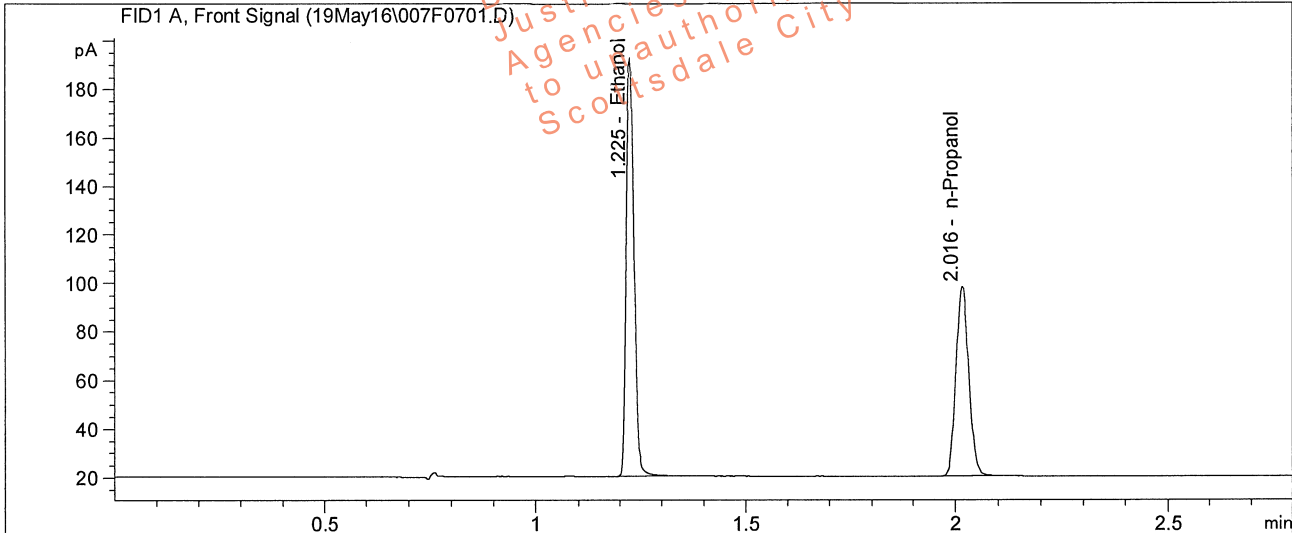


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1) Methanol		0.000	0.000
2) Acetaldehyde		0.000	0.000
3) Ethanol	0.4002	1.225	223.036
4) Isopropanol		0.000	0.000
5) Acetone		0.000	0.000
6) n-Propanol		2.016	160.560

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1) Acetaldehyde	0.000	0.000
2) Methanol	0.000	0.000
3) Ethanol	1.326	228.565
4) Acetone	0.000	0.000
5) Isopropanol	0.000	0.000
6) n-Propanol	2.344	163.880

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.04 30112011-B  
 Injected: 5/19/2016 4:32:42 PM Vial: 8  
 Data File: C:\Chem32\1\Data\19May16\008F0801.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

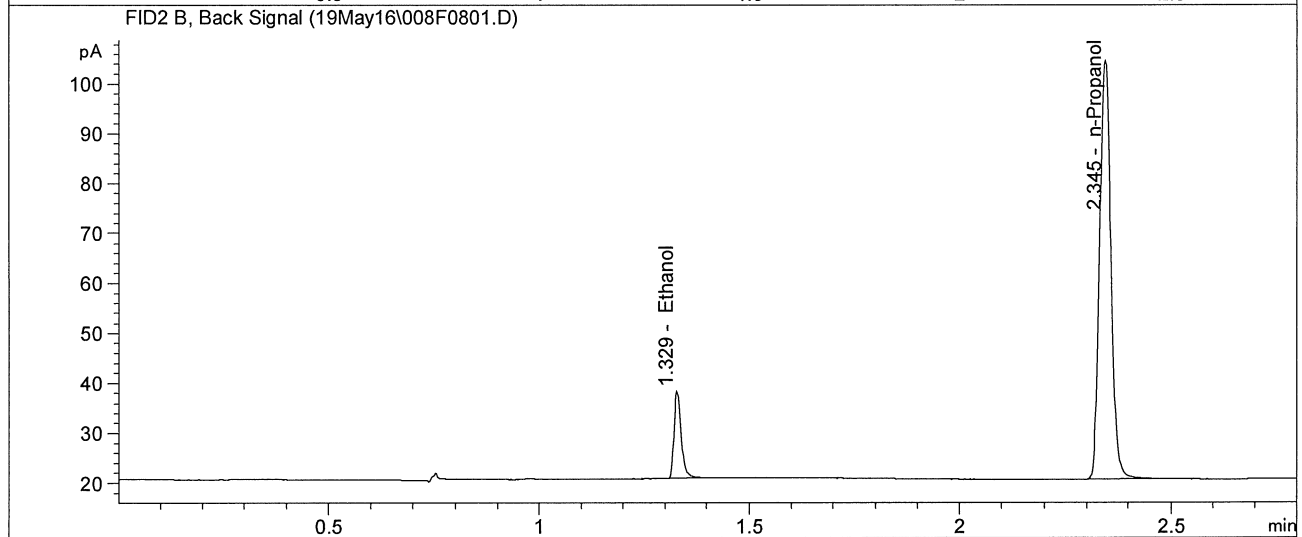
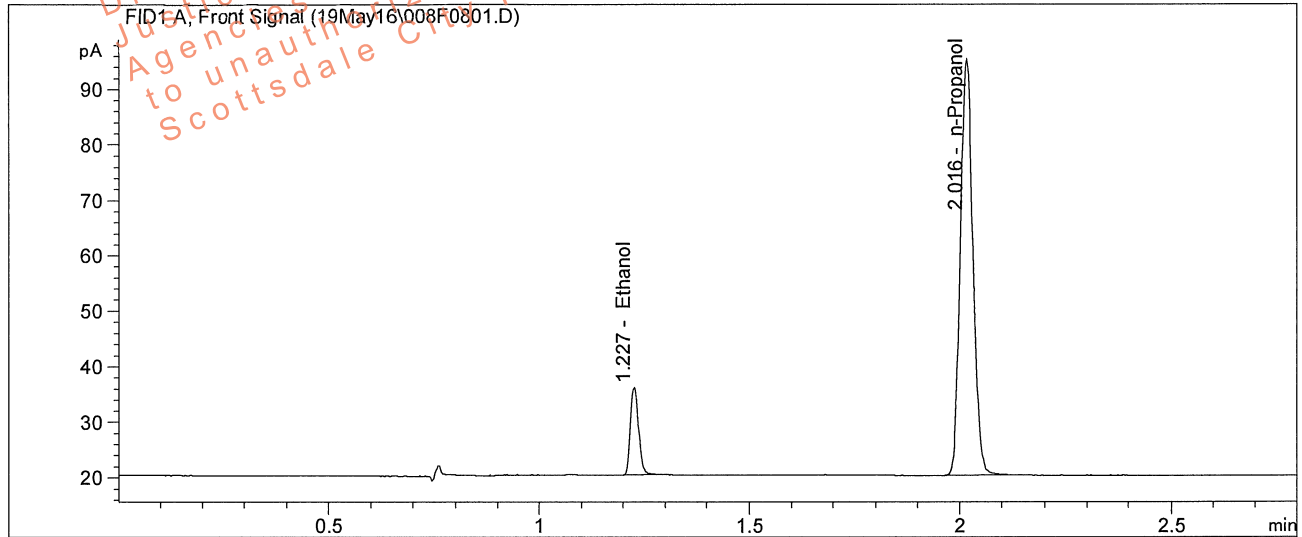


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1) Methanol		0.000	0.000
2) Acetaldehyde		0.000	0.000
3) Ethanol	0.0394	1.227	20.829
4) Isopropanol		0.000	0.000
5) Acetone		0.000	0.000
6) n-Propanol		2.016	154.392

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1) Acetaldehyde	0.000	0.000
2) Methanol	0.000	0.000
3) Ethanol	1.329	20.979
4) Acetone	0.000	0.000
5) Isopropanol	0.000	0.000
6) n-Propanol	2.345	157.425

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.20 402101060/6  
 Injected: 5/19/2016 4:36:42 PM Vial: 9  
 Data File: C:\Chem32\1\Data\19May16\009F0901.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

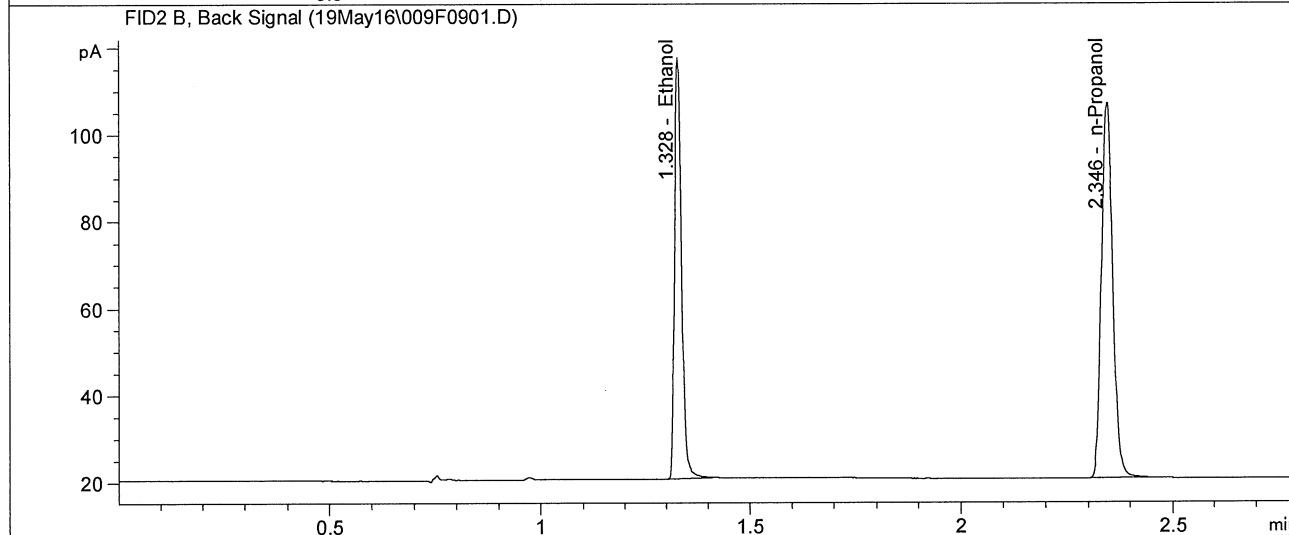
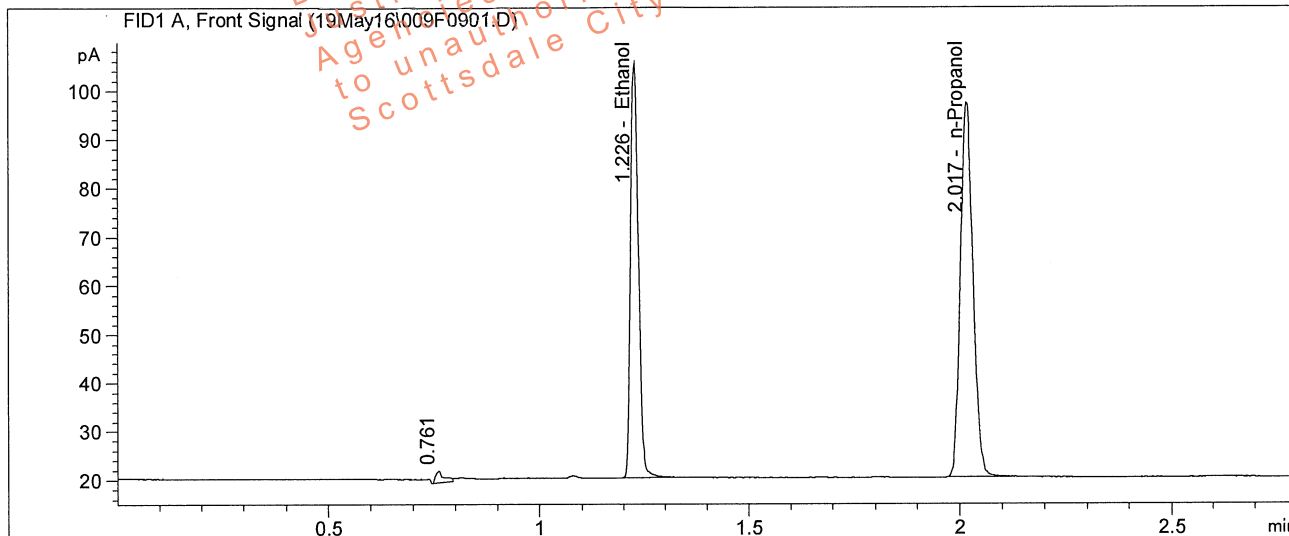


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.2028	1.226	111.210
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	158.255

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.328	113.200
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	161.557

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.08 14112011-A  
 Injected: 5/19/2016 5:21:12 PM Vial: 20  
 Data File: C:\Chem32\1\Data\19May16\020F2001.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki, A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

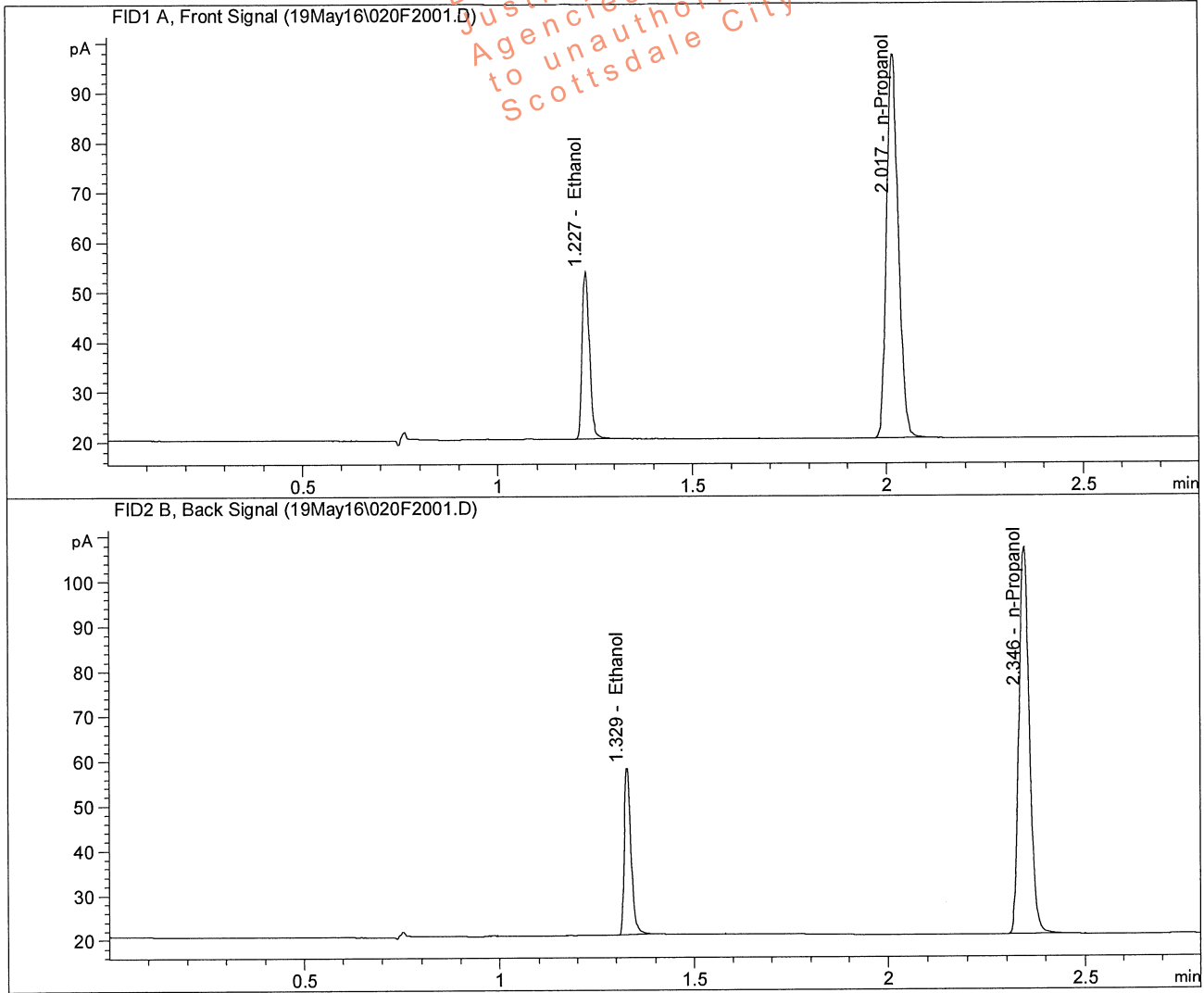


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.0801	1.227	43.837
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	158.690

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.329	44.557
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	161.821

Scottsdale Police Department Crime Lab Volatiles Analysis

=====  
 Sample ID: 0.40 05012012-C  
 Injected: 5/19/2016 5:41:27 PM Vial: 25  
 Data File: C:\Chem32\1\Data\19May16\025F2501.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quan.M Analyst: Kosecki \*  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)  
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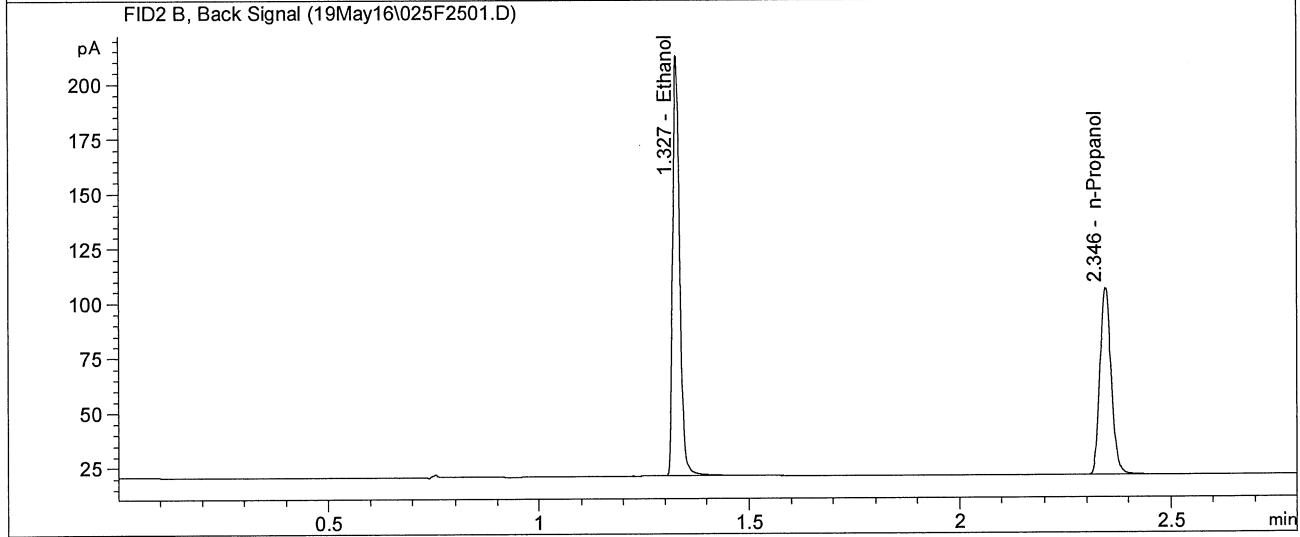
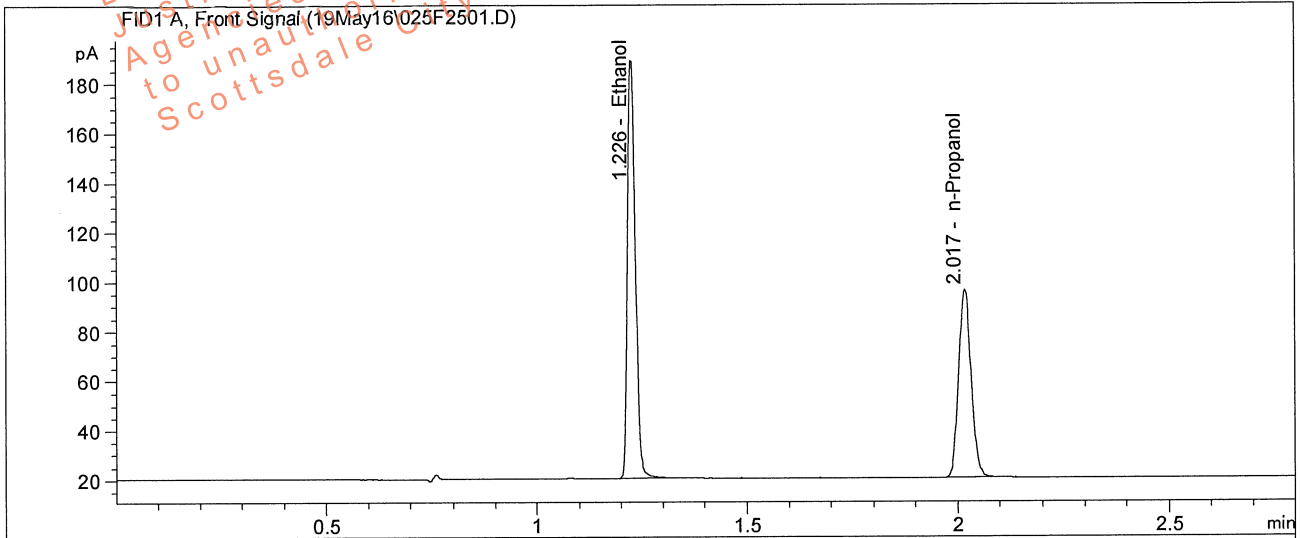


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.4044	1.226	219.292
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	156.248

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.327	225.050
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	159.504

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.04 30112011-B  
 Injected: 5/19/2016 5:45:27 PM Vial: 26  
 Data File: C:\Chem32\1\Data\19May16\026F2601.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

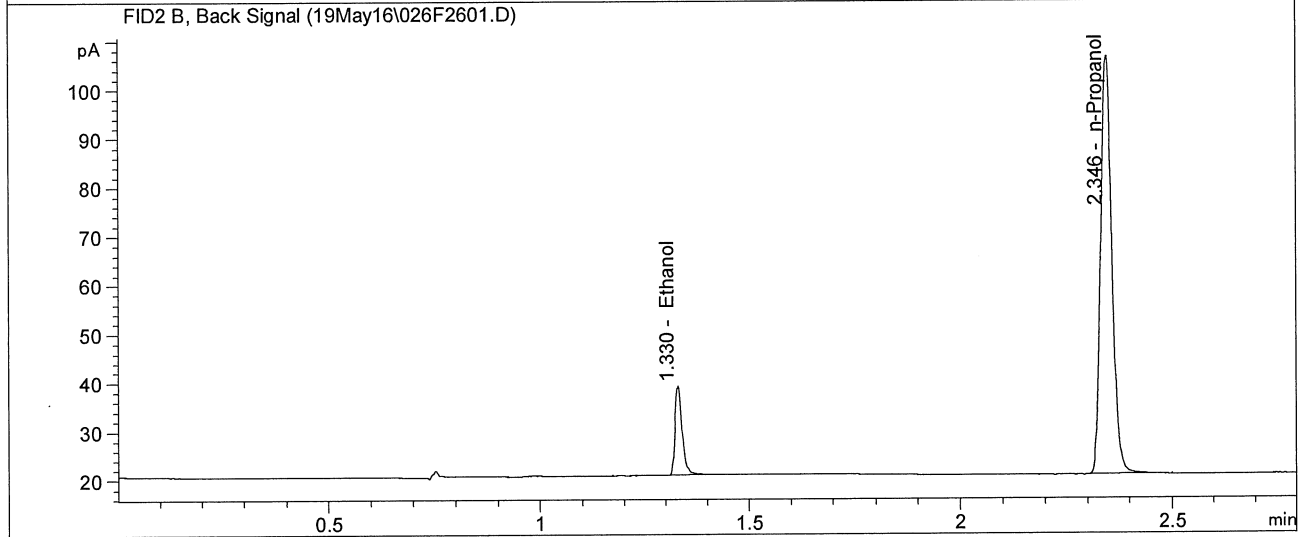
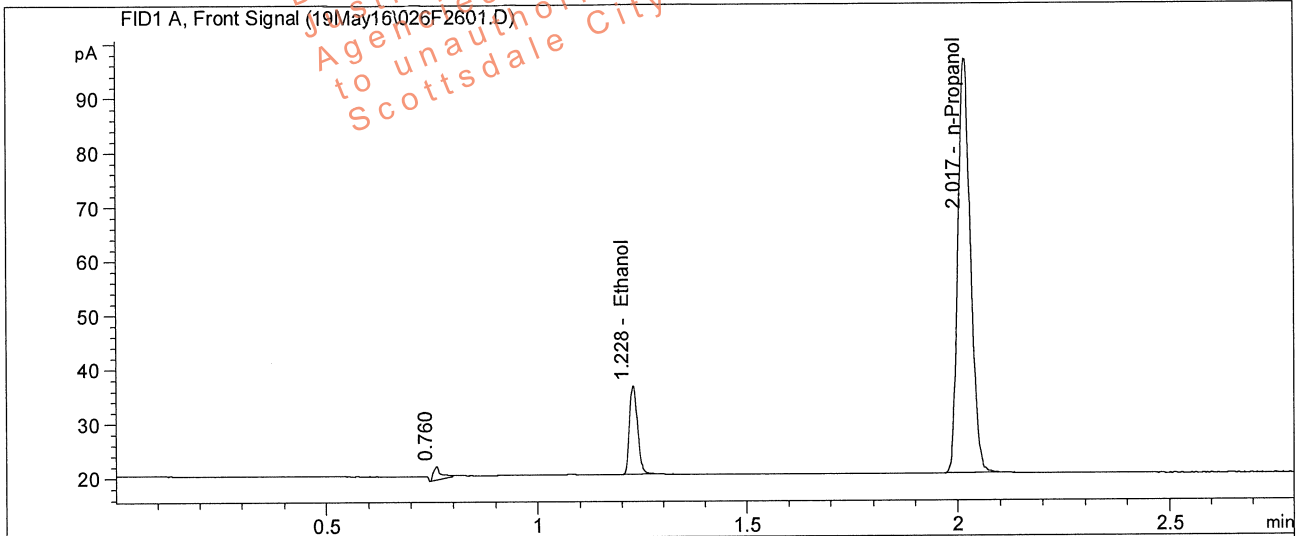


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.0402	1.228	21.656
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	157.479

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.330	21.788
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	160.621

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: 0.20 402101060/6  
 Injected: 5/19/2016 5:49:27 PM Vial: 27  
 Data File: C:\Chem32\1\Data\19May16\027F2701.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki, A  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

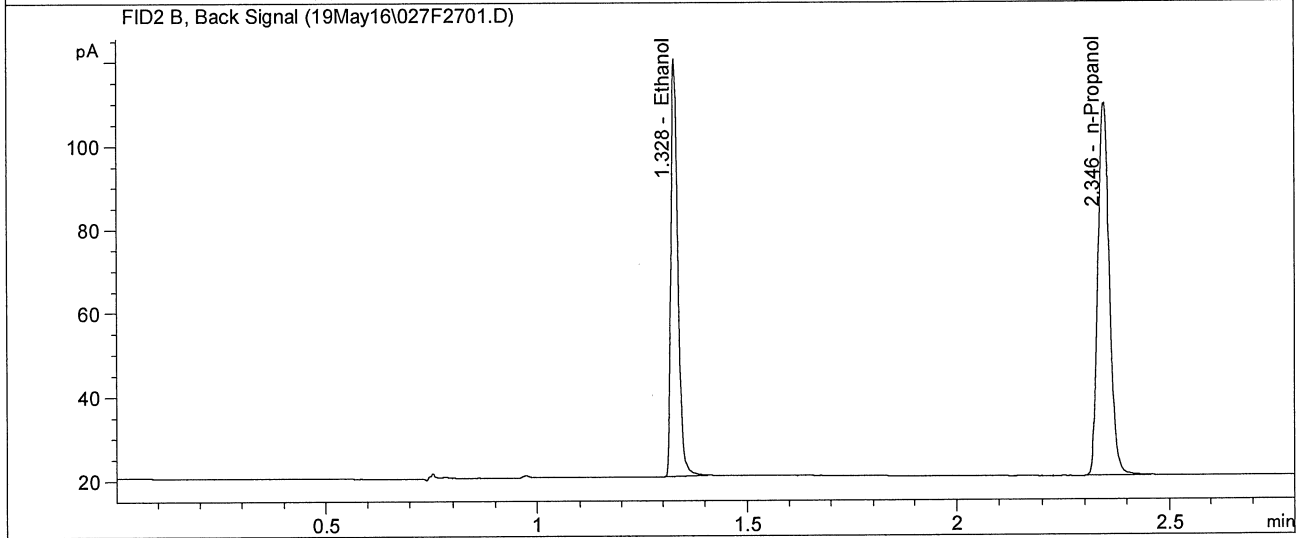
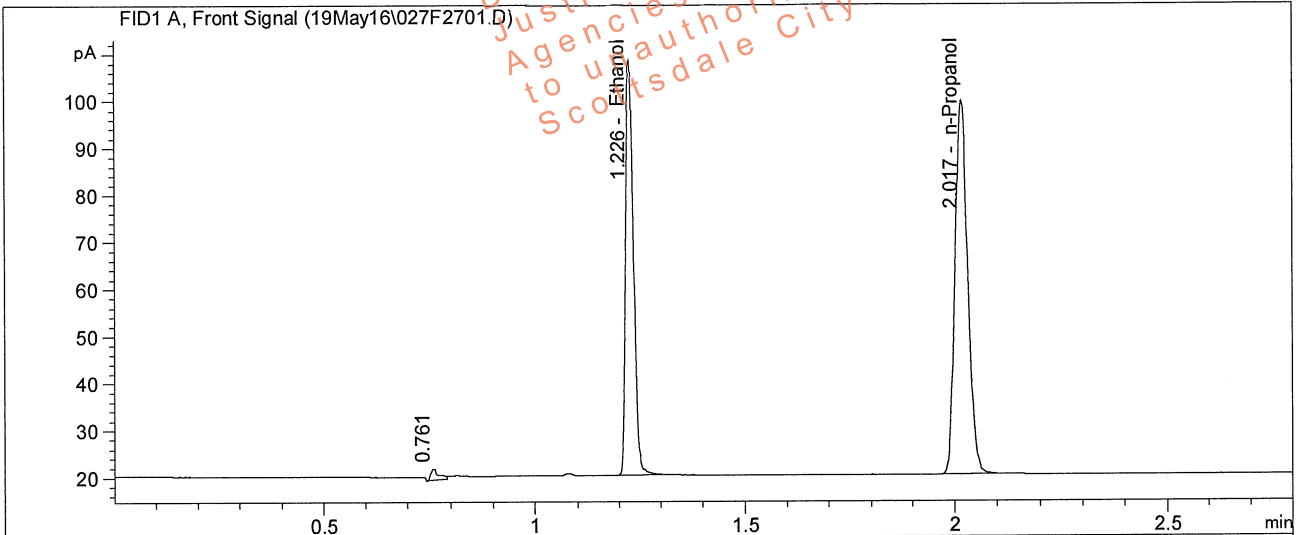


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.2029	1.226	115.032
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	163.559

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.328	117.129
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	167.062

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: Blank 110215  
 Injected: 5/19/2016 5:53:27 PM Vial: 28  
 Data File: C:\Chem32\1\Data\19May16\028F2801.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol\_quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

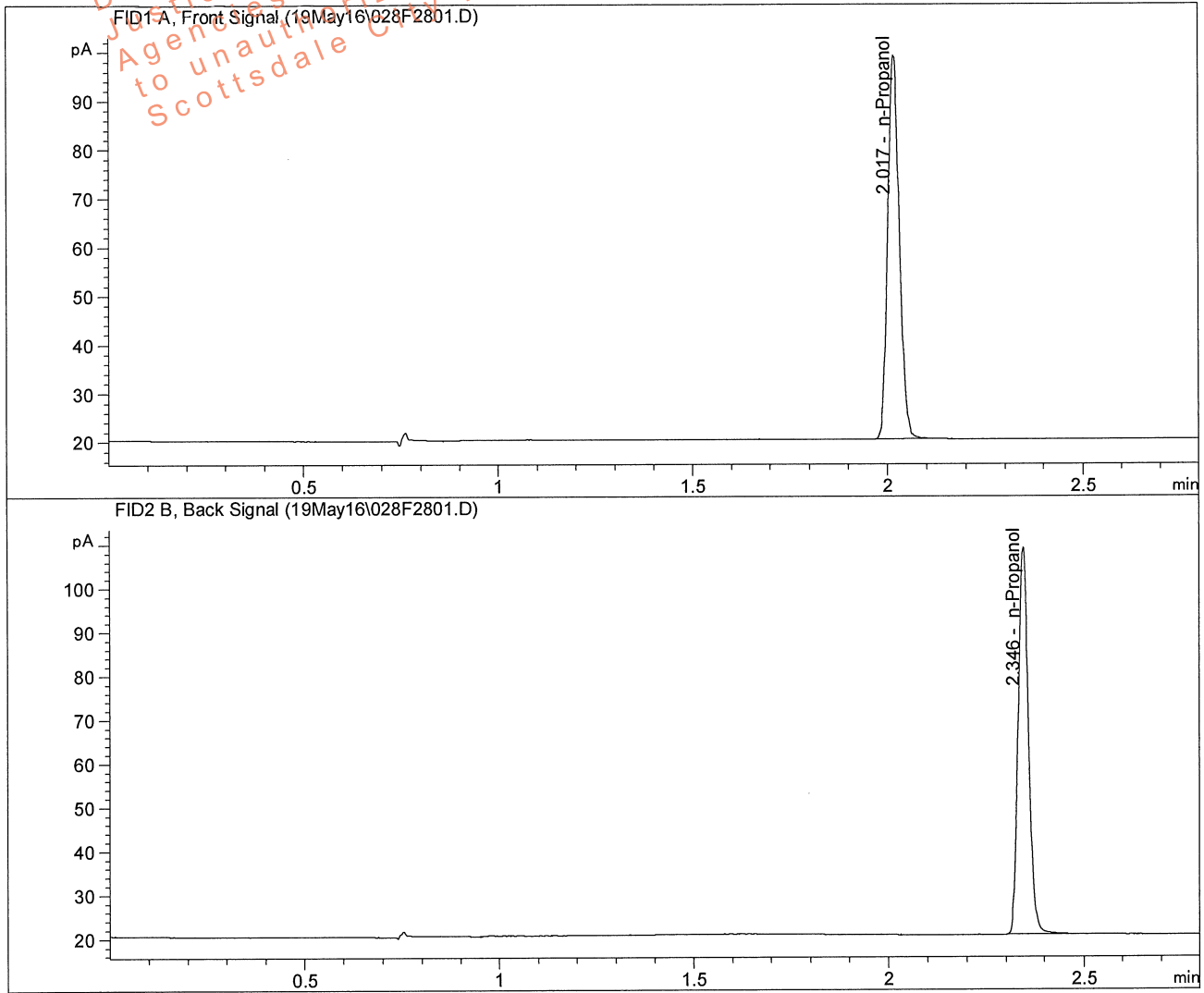


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.0000	0.000	0.000
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	162.252

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	0.000	0.000
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	165.682



SEQUENCE TABLE:

=====  
Line : 1  
Location : 1  
Sample Information : 19May16  
Sample Name : 0.02 Cerilliant FN09031301  
Method Name : ethanol quant  
=====

=====  
Line : 2  
Location : 2  
Sample Information : 19May16  
Sample Name : 0.10 Cerilliant FN02021403  
Method Name : ethanol quant  
=====

=====  
Line : 3  
Location : 3  
Sample Information : 19May16  
Sample Name : 0.20 Cerilliant FN032712-01  
Method Name : ethanol quant  
=====

=====  
Line : 4  
Location : 4  
Sample Information : 19May16  
Sample Name : 0.40 Cerilliant FN012712-01  
Method Name : ethanol quant  
=====

=====  
Line : 5  
Location : 5  
Sample Information : 19May16  
Sample Name : blank 110215  
Method Name : ethanol quant  
=====

=====  
Line : 6  
Location : 6  
Sample Information : 19May16  
Sample Name : volatiles mix 030916 ASL  
Method Name : ethanol quant  
=====

=====  
Line : 7  
=====

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Location : 7  
Sample Information : 19May16  
Sample Name : 0.40 05012012-C  
Method Name : ethanol quant

=====  
Line : 8  
Location : 8  
Sample Information : 19May16  
Sample Name : 0.04 30112011-B  
Method Name : ethanol quant

=====  
Line : 9  
Location : 9  
Sample Information : 19May16  
Sample Name : 0.20 402101060/6  
Method Name : ethanol quant

=====  
Line : 10  
Location : 10  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 11  
Location : 11  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 12  
Location : 12  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 13  
Location : 13  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

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Line : 14  
Location : 14  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

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=====  
Line : 15  
Location : 15  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 16  
Location : 16  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 17  
Location : 17  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 18  
Location : 18  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 19  
Location : 19  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant

=====  
Line : 20  
Location : 20  
Sample Information : 19May16  
Sample Name : 0.08 14112011-A  
Method Name : ethanol quant

=====  
Line : 21  
Location : 21  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant  
=====

=====  
Line : 22  
Location : 22  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant  
=====

=====  
Line : 23  
Location : 23  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant  
=====

=====  
Line : 24  
Location : 24  
Sample Information : 19May16  
Sample Name : ██████████  
Method Name : ethanol quant  
=====

=====  
Line : 25  
Location : 25  
Sample Information : 19May16  
Sample Name : 0.40 05012012-C  
Method Name : ethanol quant  
=====

=====  
Line : 26  
Location : 26  
Sample Information : 19May16  
Sample Name : 0.04 30112011-B  
Method Name : ethanol quant  
=====

=====  
Line : 27  
Location : 27  
Sample Information : 19May16  
Sample Name : 0.20 402101060/6  
=====

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Method Name : ethanol quant

=====  
Line : 28  
Location : 28  
Sample Information : 19May16  
Sample Name : Blank 110215  
Method Name : ethanol quant  
=====

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Sequence Output Parameters:

Print Sequence Summary Report (SSR) : No  
Dest. of individual reports for each run: as specified in Method



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 4:40:42 PM Vial: 10  
 Data File: C:\Chem32\1\Data\19May16\010F1001.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

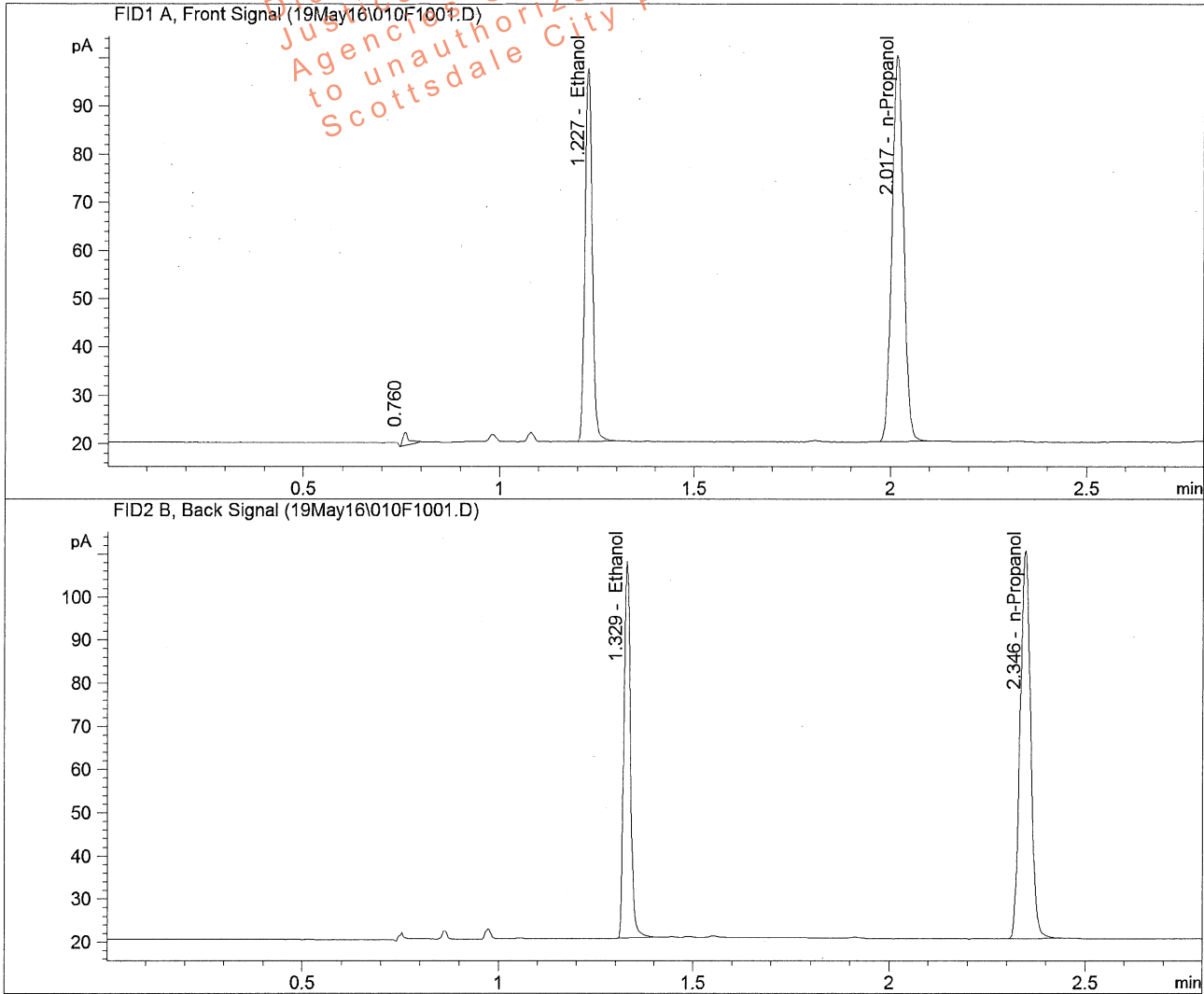


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1) Methanol		0.000	0.000
2) Acetaldehyde		0.000	0.000
3) Ethanol	0.1763	1.227	100.683
4) Isopropanol		0.000	0.000
5) Acetone		0.000	0.000
6) n-Propanol		2.017	164.864

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1) Acetaldehyde	0.000	0.000
2) Methanol	0.000	0.000
3) Ethanol	1.329	102.576
4) Acetone	0.000	0.000
5) Isopropanol	0.000	0.000
6) n-Propanol	2.346	169.170

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: ██████████  
 Injected: 5/19/2016 4:44:42 PM Vial: 11  
 Data File: C:\Chem32\1\Data\19May16\011F1101.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

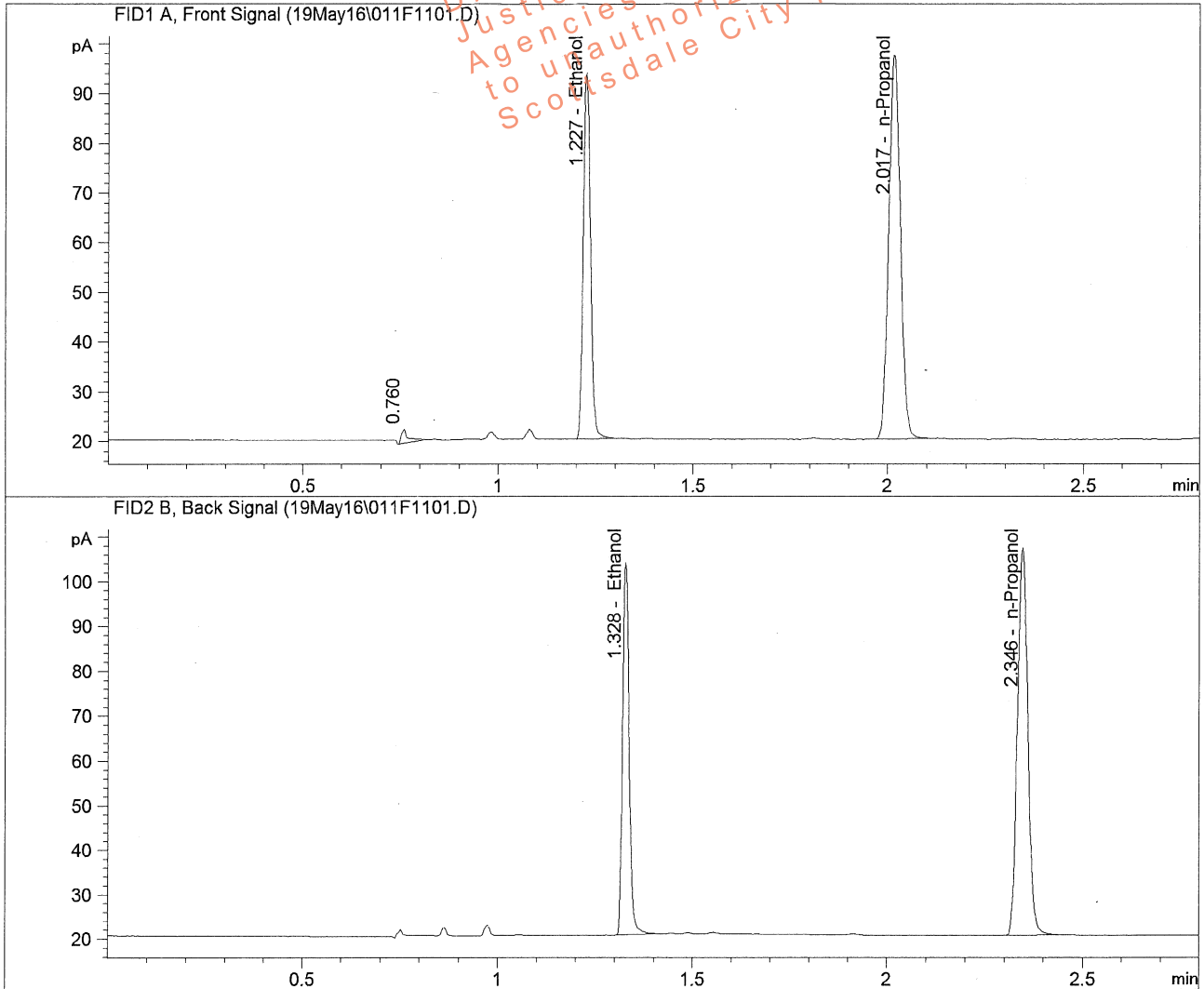


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1741	1.227	95.919
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	159.042

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.328	97.705
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	162.976



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 4:48:43 PM Vial: 12  
 Data File: C:\Chem32\1\Data\19May16\012F1201.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

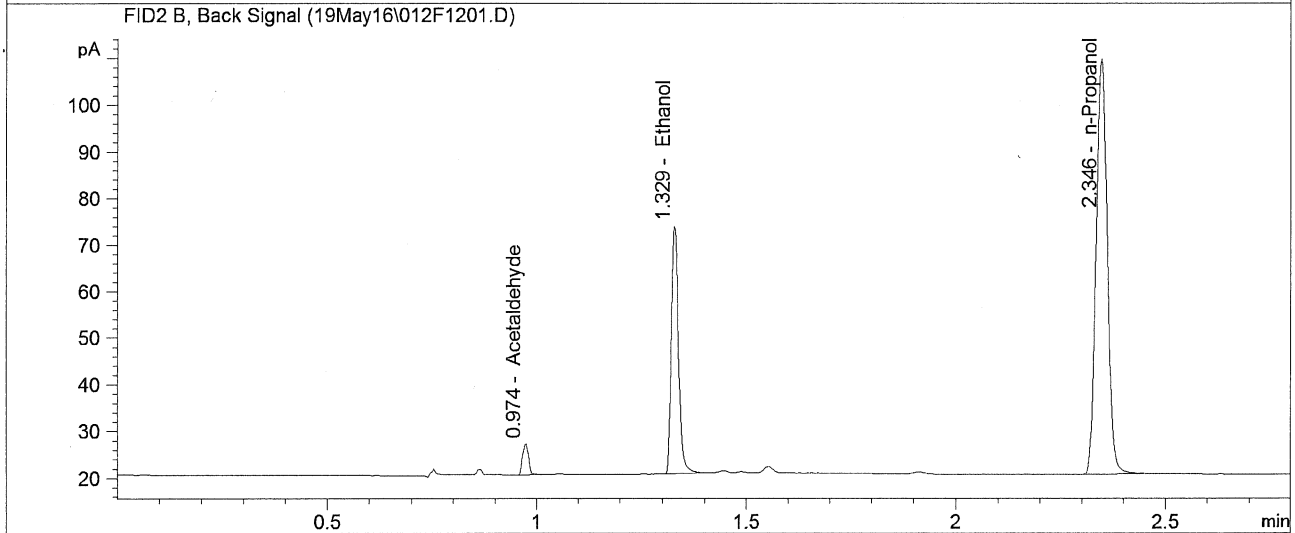
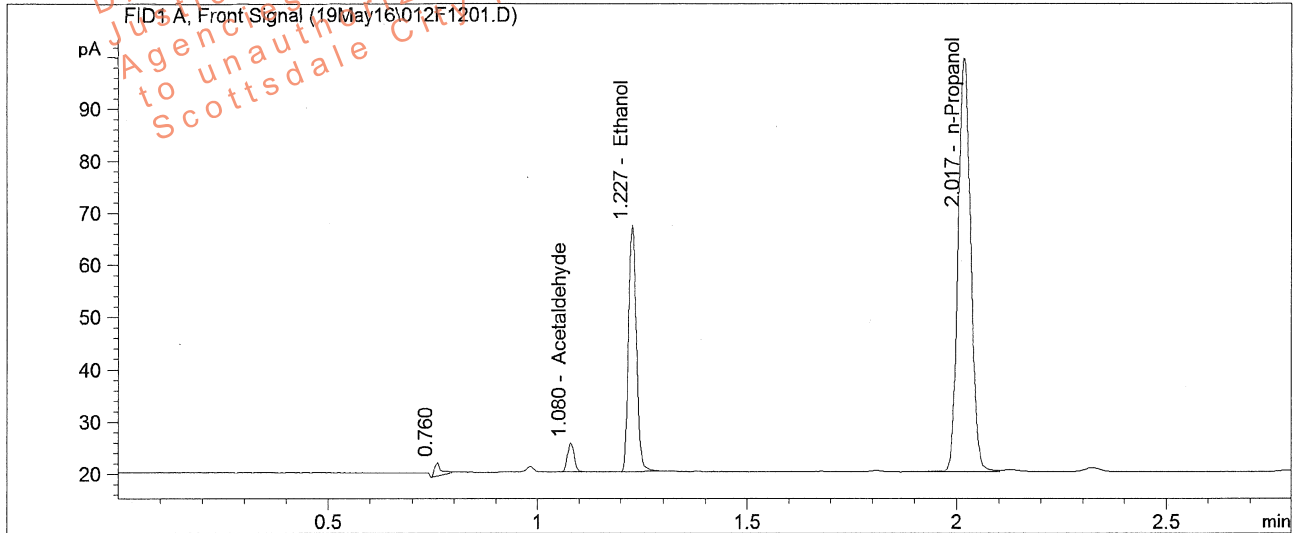


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		1.080	6.259
3)Ethanol	0.1086	1.227	61.633
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	164.132

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.974	6.509
2)Methanol	0.000	0.000
3)Ethanol	1.329	63.120
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	166.825

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 4:52:57 PM Vial: 13  
 Data File: C:\Chem32\1\Data\19May16\013F1301.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

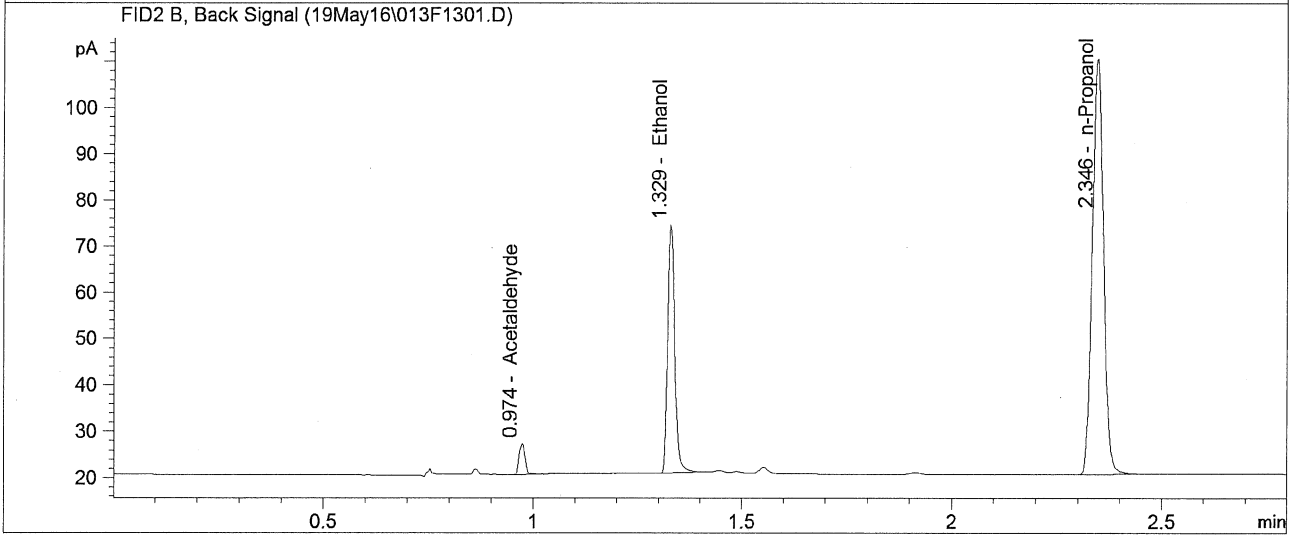
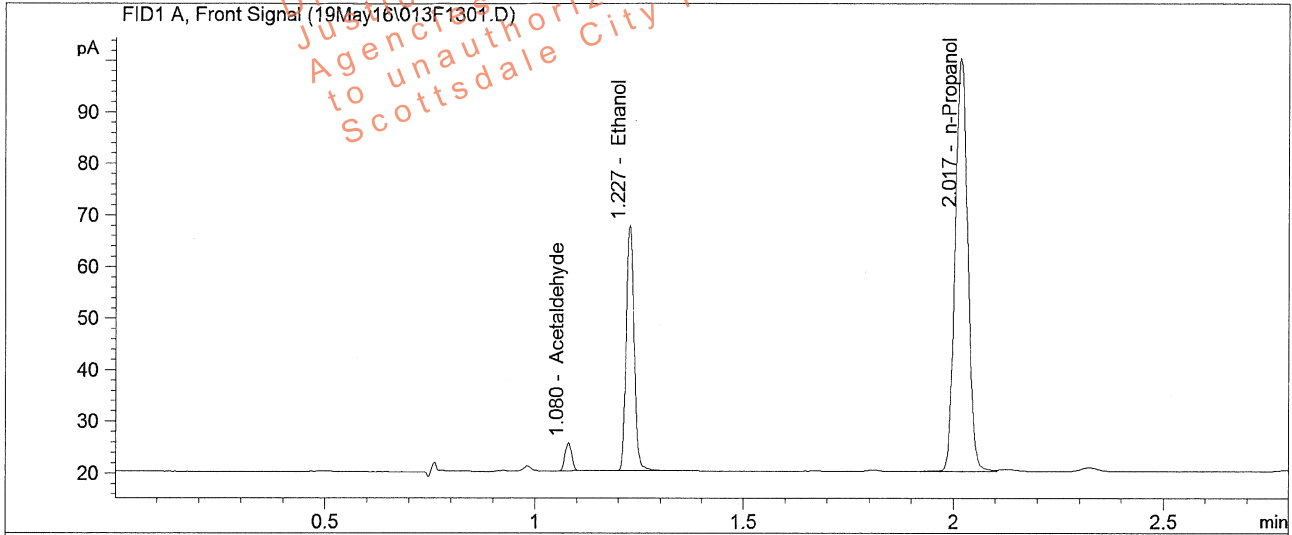


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		1.080	6.174
3)Ethanol	0.1085	1.227	62.234
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	165.882

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.974	6.488
2)Methanol	0.000	0.000
3)Ethanol	1.329	63.630
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	168.548

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 4:56:57 PM Vial: 14  
 Data File: C:\Chem32\1\Data\19May16\014F1401.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

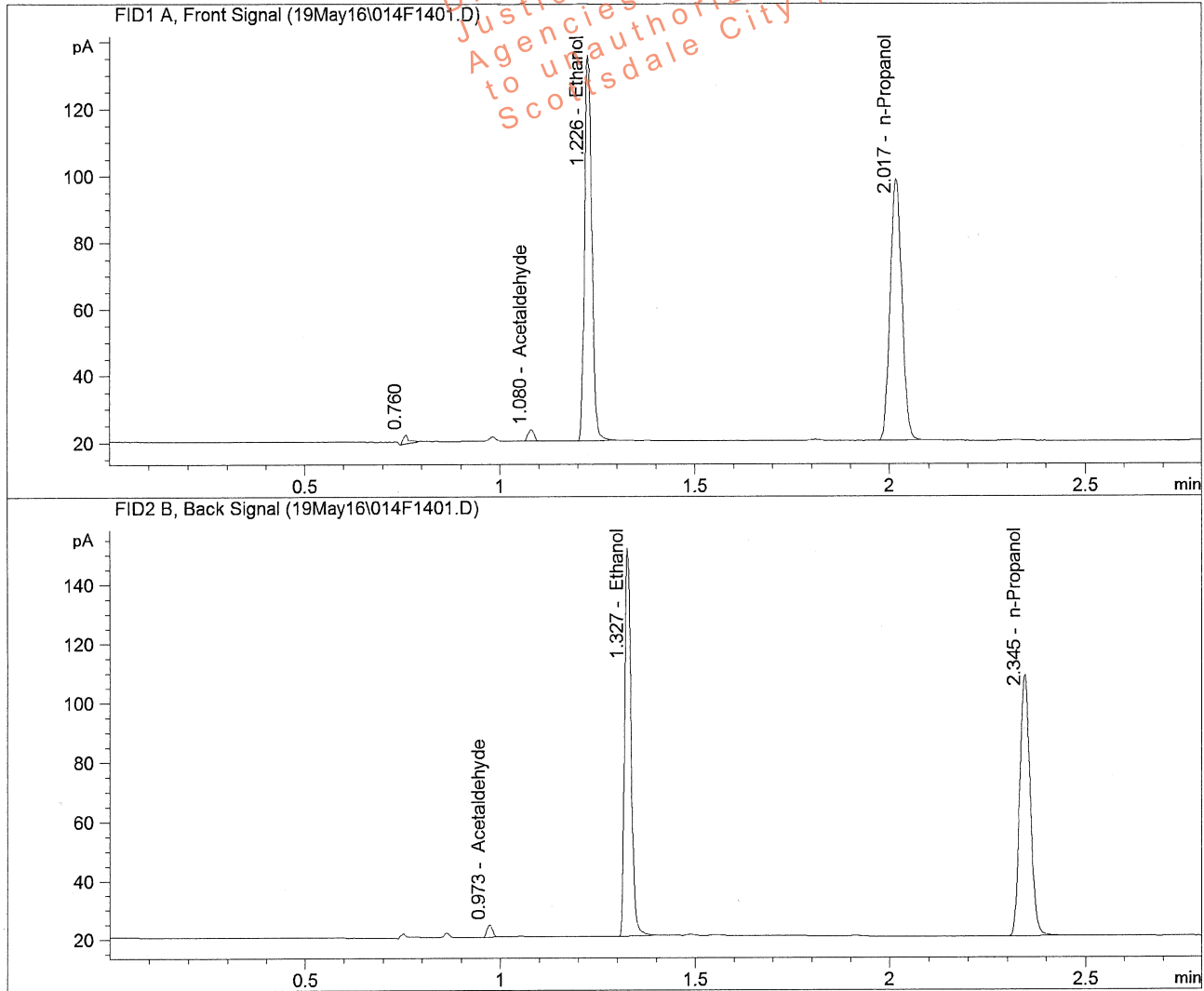


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		1.080	4.013
3)Ethanol	0.2692	1.226	150.689
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	161.421

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.973	4.208
2)Methanol	0.000	0.000
3)Ethanol	1.327	153.818
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.345	165.316

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 5:00:57 PM Vial: 15  
 Data File: C:\Chem32\1\Data\19May16\015F1501.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

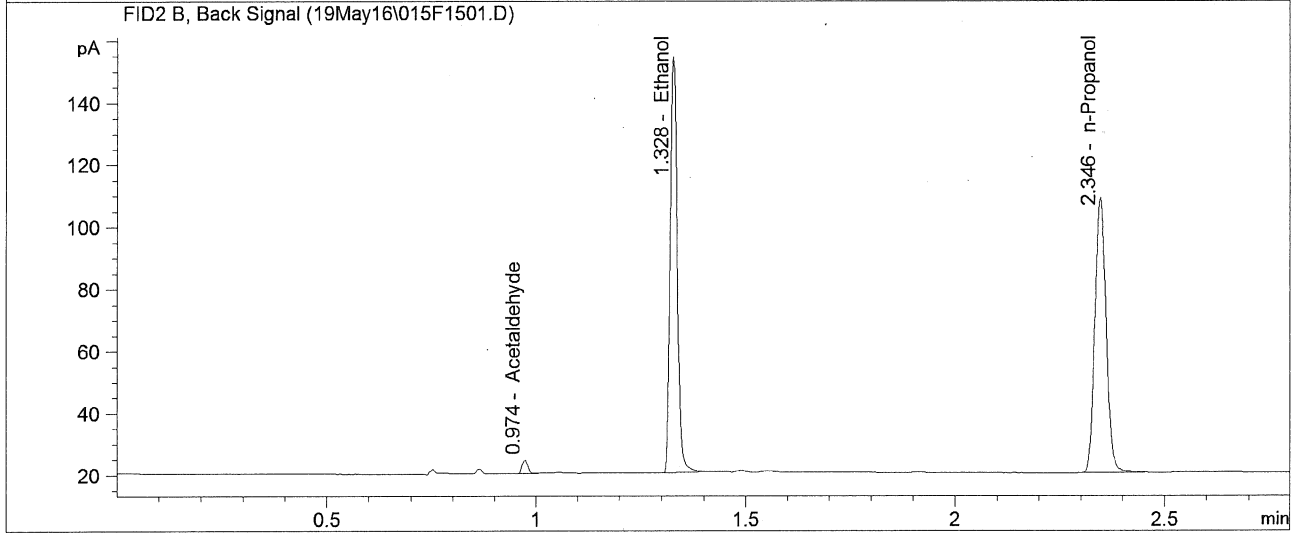
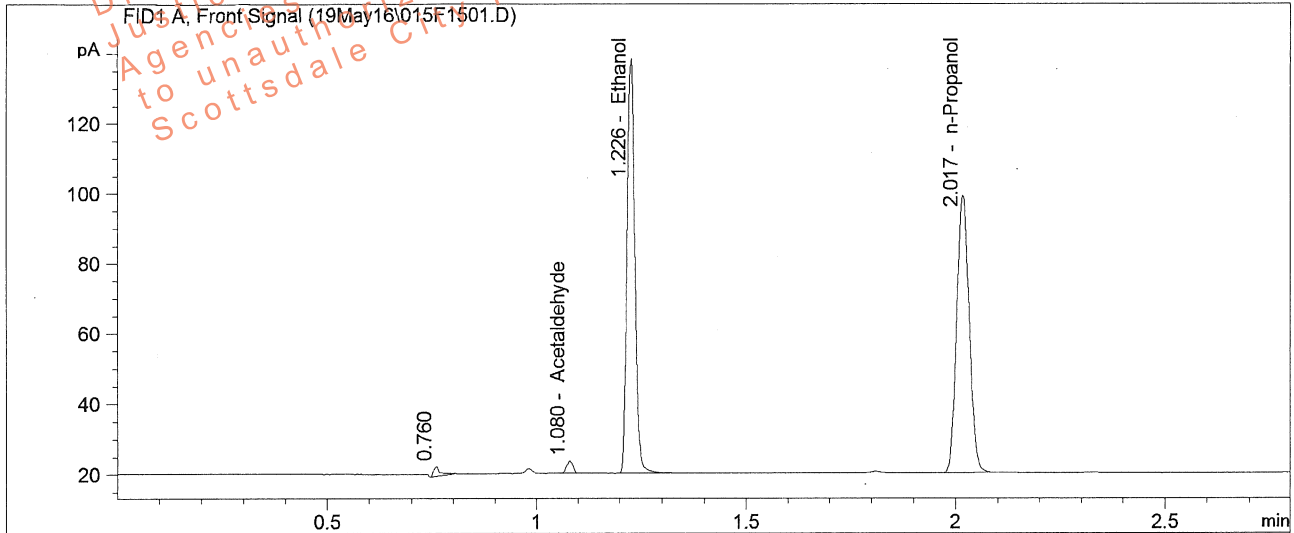


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		1.080	4.029
3)Ethanol	0.2735	1.226	153.933
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	162.265

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.974	4.282
2)Methanol	0.000	0.000
3)Ethanol	1.328	156.831
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	166.105

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: ██████████  
 Injected: 5/19/2016 5:04:58 PM Vial: 16  
 Data File: C:\Chem32\1\Data\19May16\016F1601.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

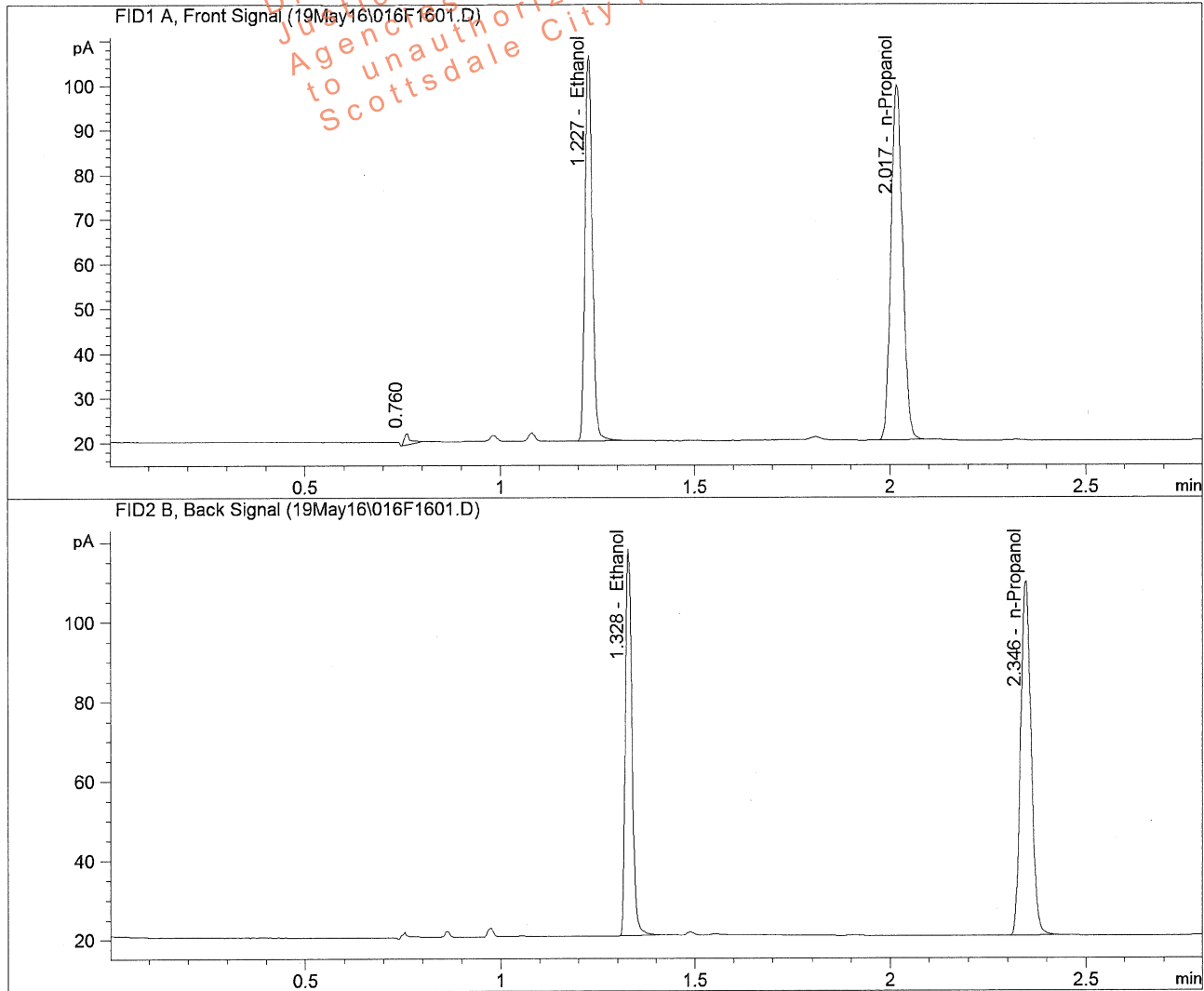


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1985	1.227	112.294
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	163.263

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.328	114.397
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	166.869

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: ██████████  
 Injected: 5/19/2016 5:08:57 PM Vial: 17  
 Data File: C:\Chem32\1\Data\19May16\017F1701.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

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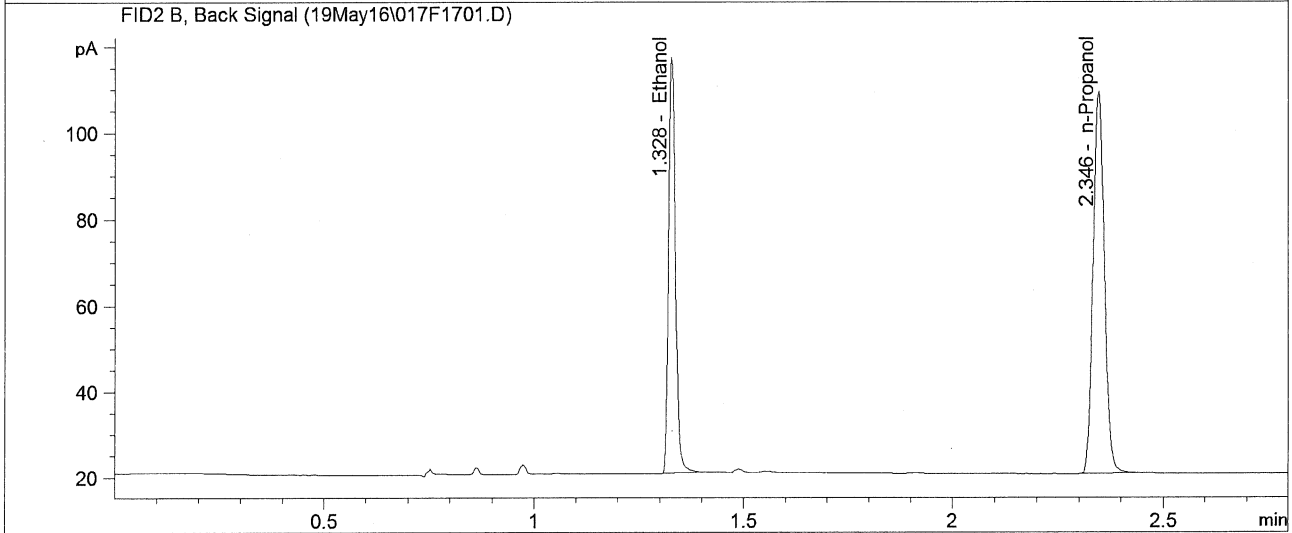
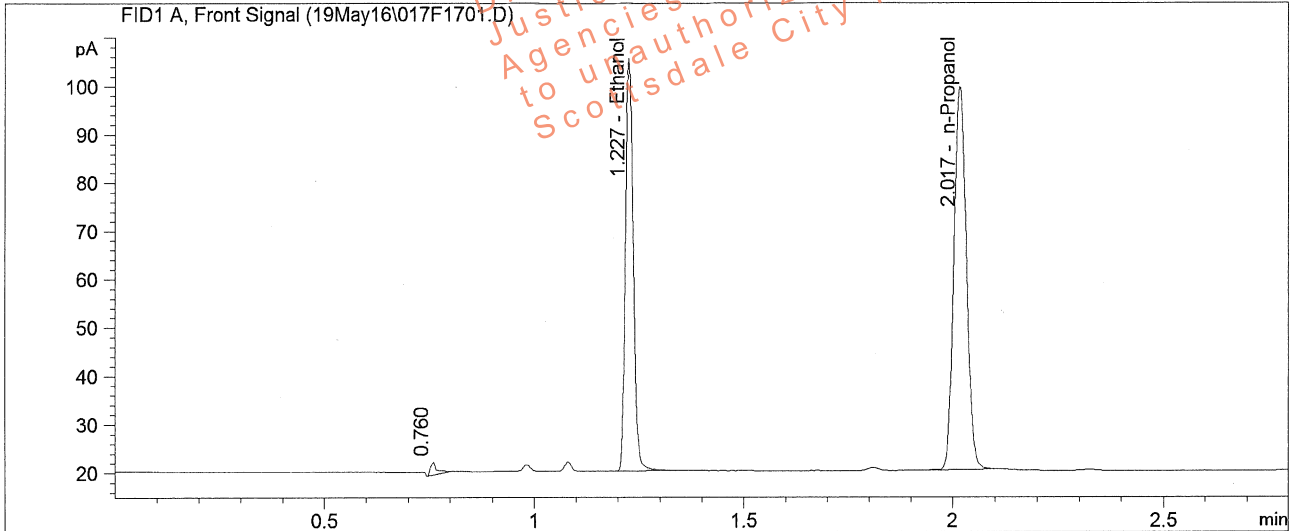


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1966	1.227	111.243
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	163.286

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.328	113.250
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	166.060

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: ██████████  
 Injected: 5/19/2016 5:12:57 PM Vial: 18  
 Data File: C:\Chem32\1\Data\19May16\018F1801.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

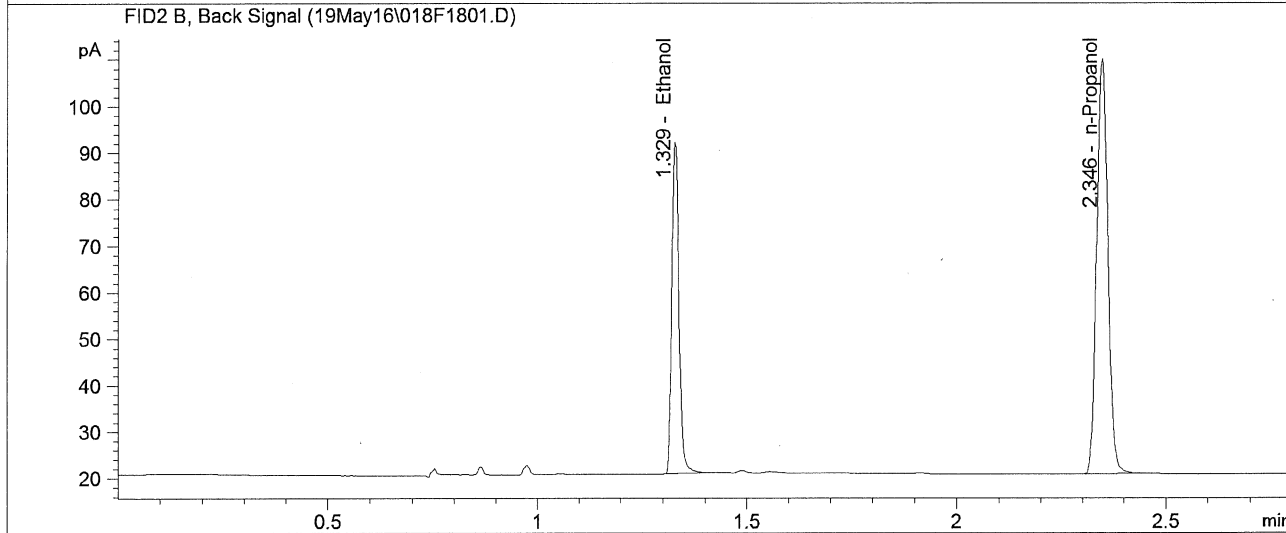
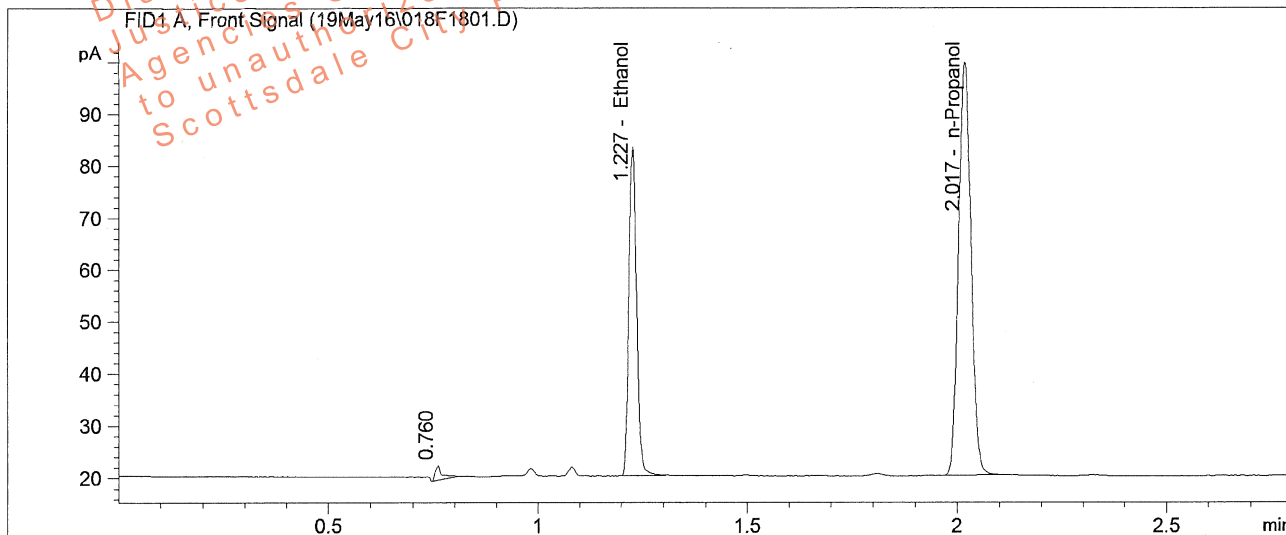


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1457	1.227	82.402
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	163.444

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.329	84.045
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	166.718

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: ██████████  
 Injected: 5/19/2016 5:17:13 PM Vial: 19  
 Data File: C:\Chem32\1\Data\19May16\019F1901.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

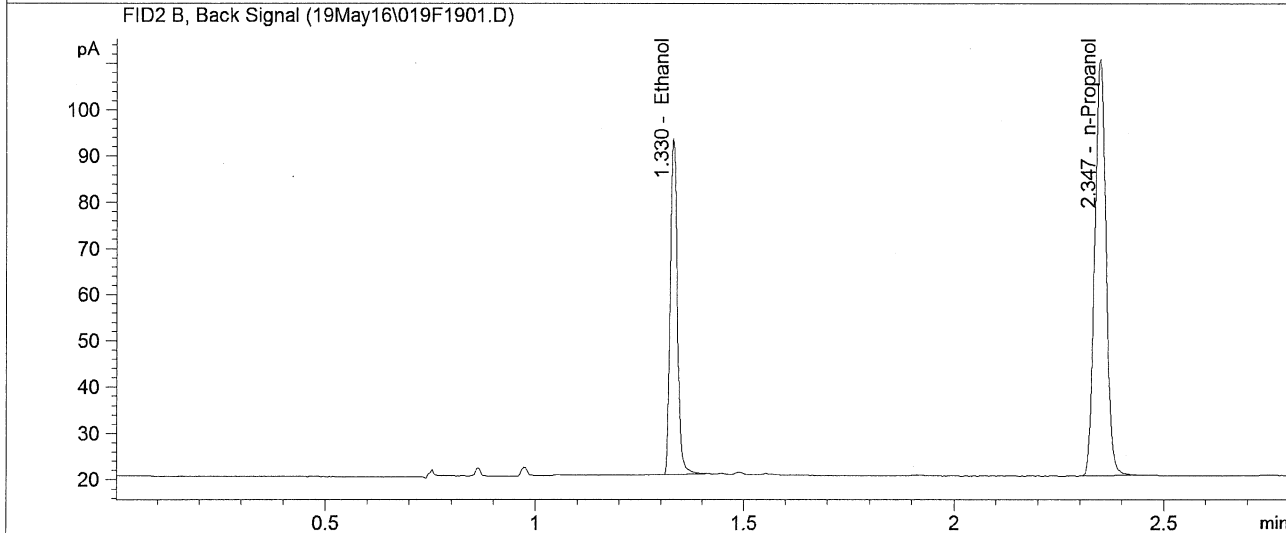
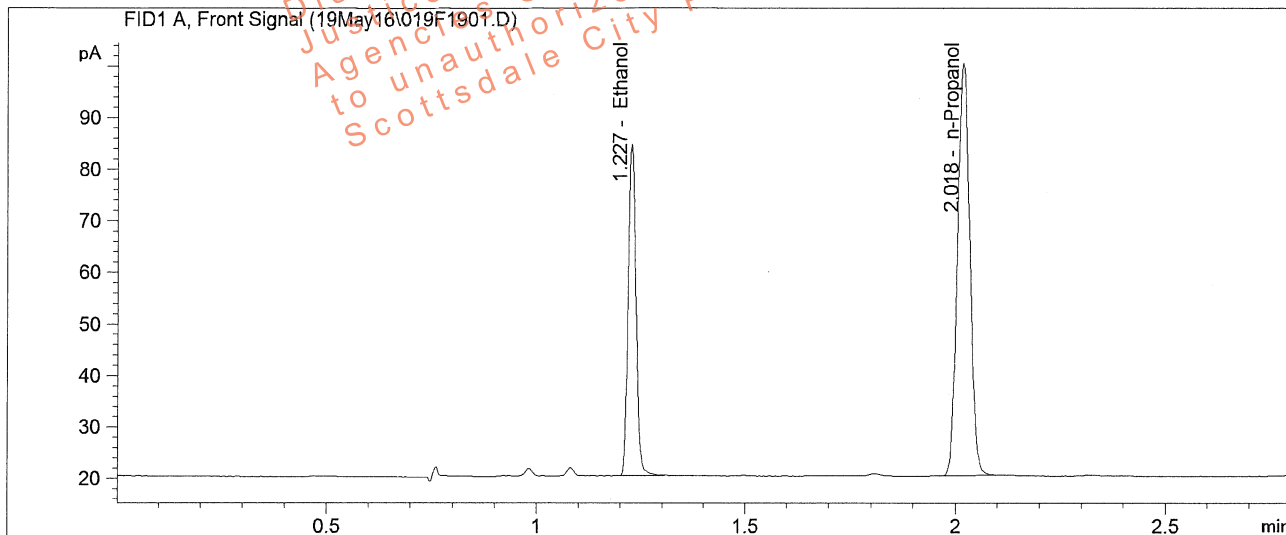


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1476	1.227	84.038
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.018	164.517

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.330	85.847
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.347	168.132



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 5:25:12 PM Vial: 21  
 Data File: C:\Chem32\1\Data\19May16\021F2101.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

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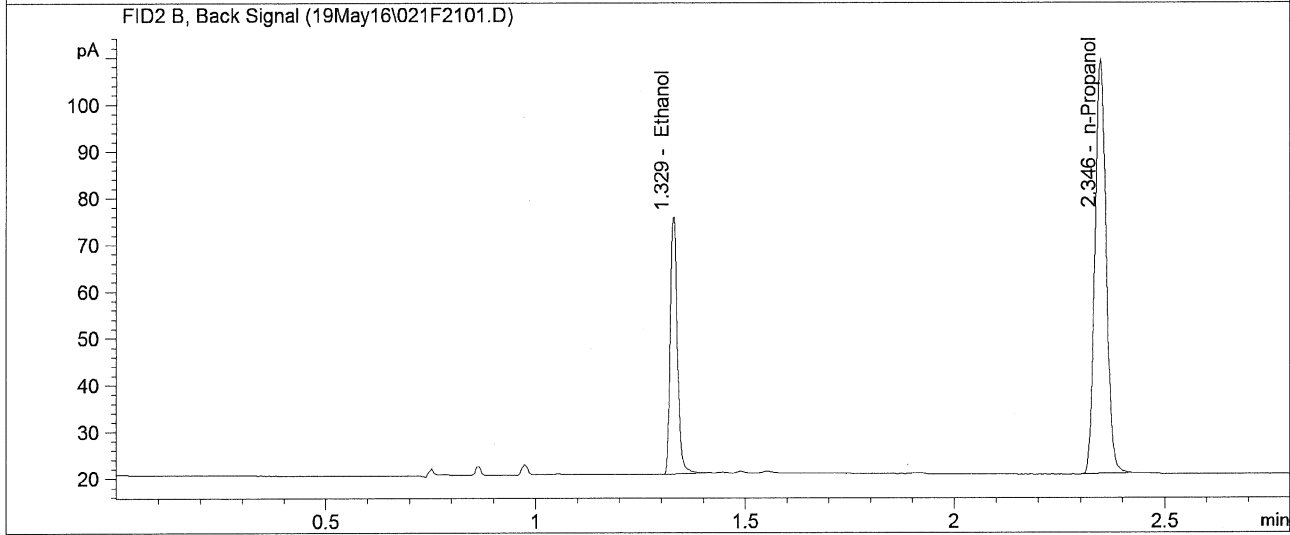
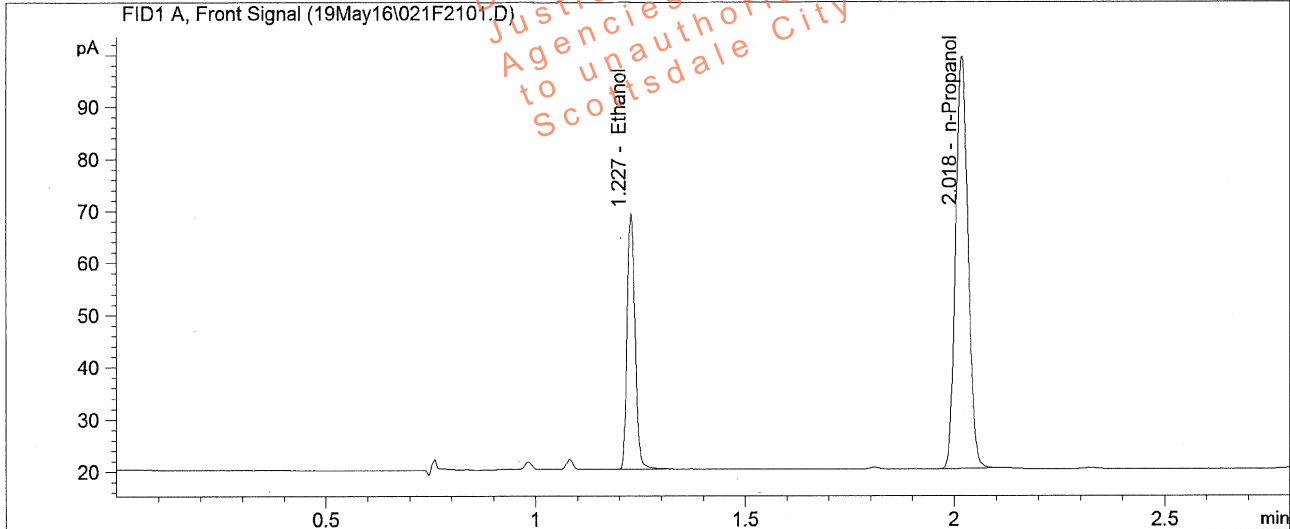


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1144	1.227	64.215
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.018	162.415

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.329	65.338
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	165.733

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 5:29:12 PM Vial: 22  
 Data File: C:\Chem32\1\Data\19May16\022F2201.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

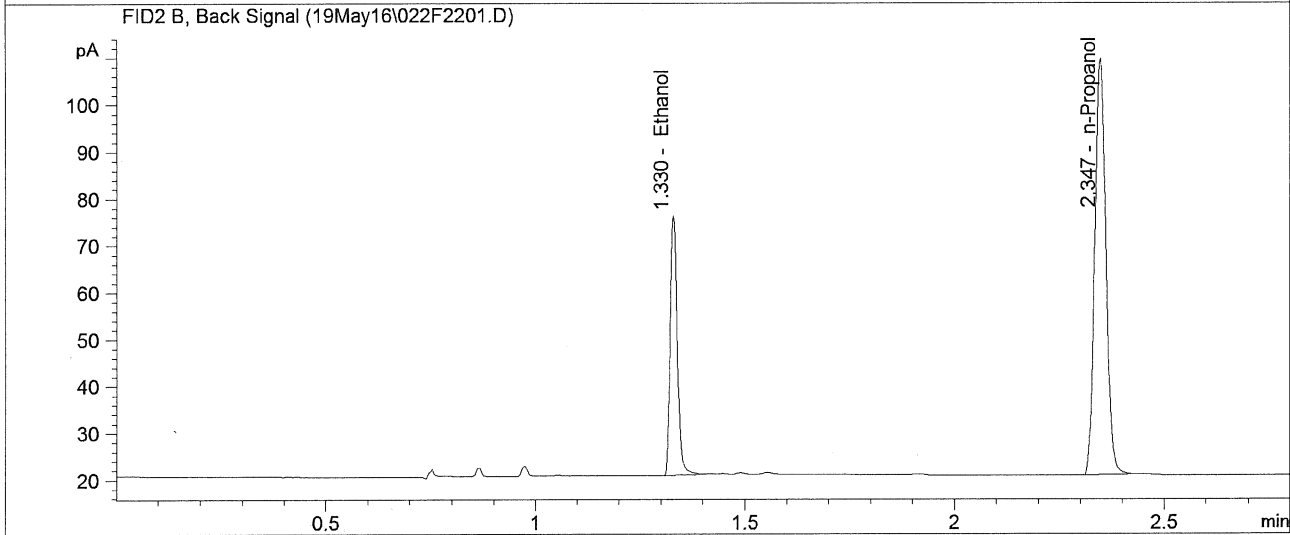
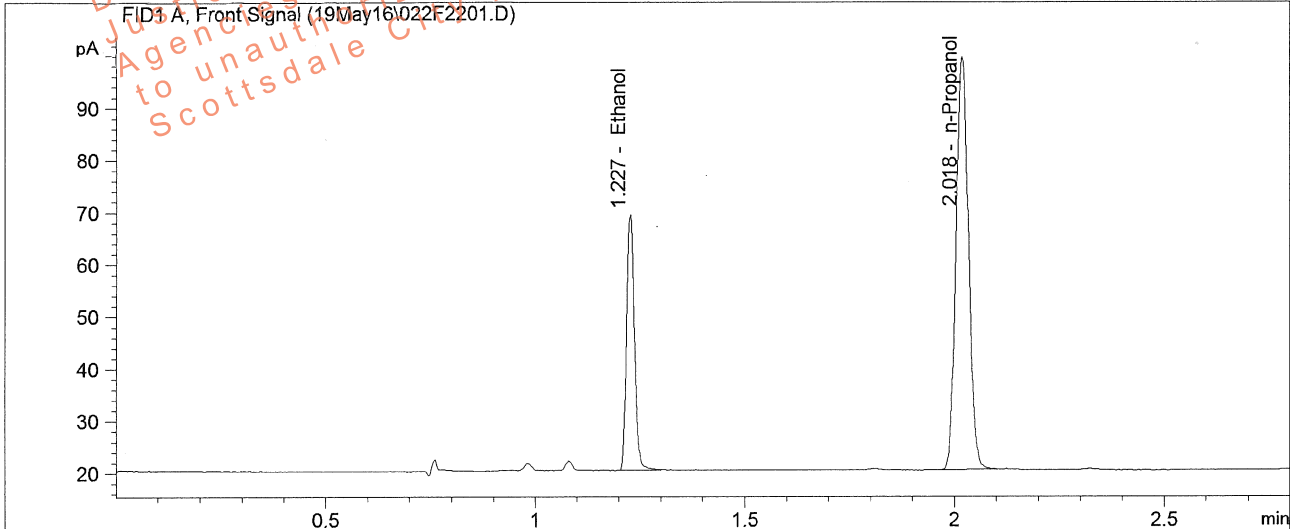


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.1144	1.227	64.222
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.018	162.336

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.330	65.558
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.347	165.692

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: XXXXXXXXXX  
 Injected: 5/19/2016 5:33:12 PM Vial: 23  
 Data File: C:\Chem32\1\Data\19May16\023F2301.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

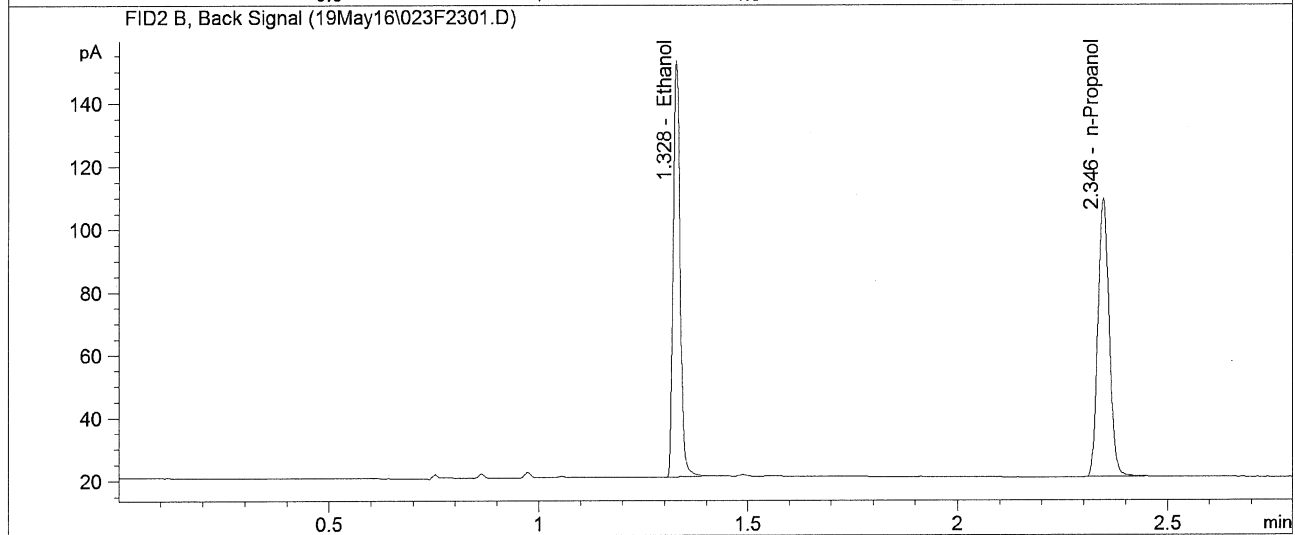
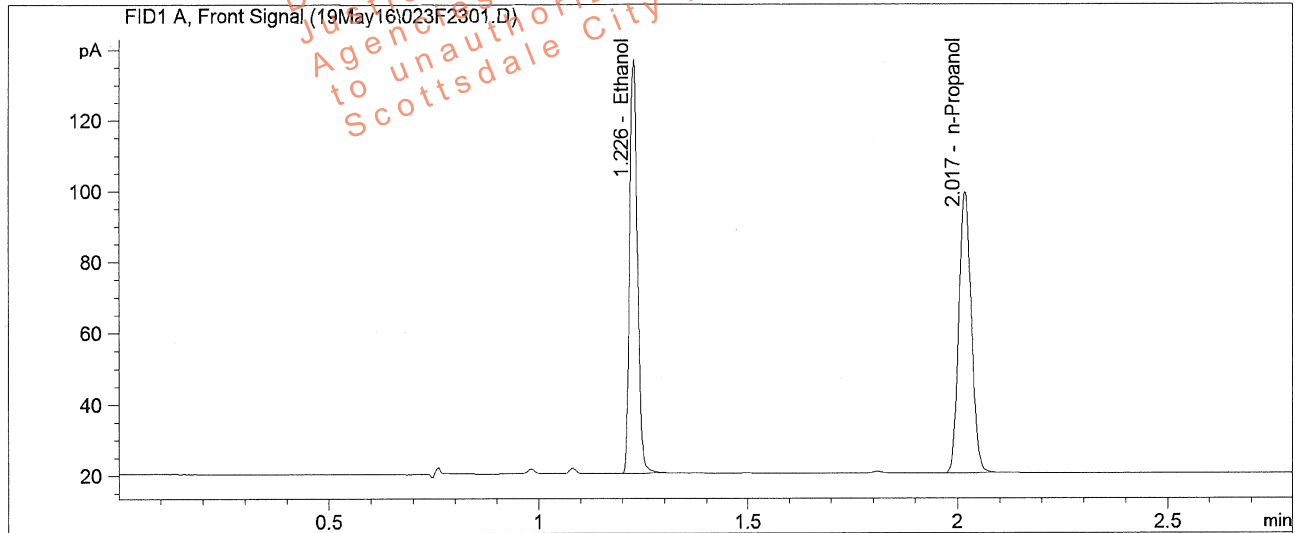


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.2690	1.226	151.701
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.017	162.583

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.328	155.001
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	165.897

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample ID: ██████████  
 Injected: 5/19/2016 5:37:13 PM Vial: 24  
 Data File: C:\Chem32\1\Data\19May16\024F2401.D Sequence: 19May16  
 Method: C:\Chem32\1\Methods\ethanol quant.M Analyst: Kosecki  
 Instrument: Agilent 7890B GC (US14173023) 7697A Autosampler (CN14160045)

Dissemination is restricted to Criminal Justice Agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

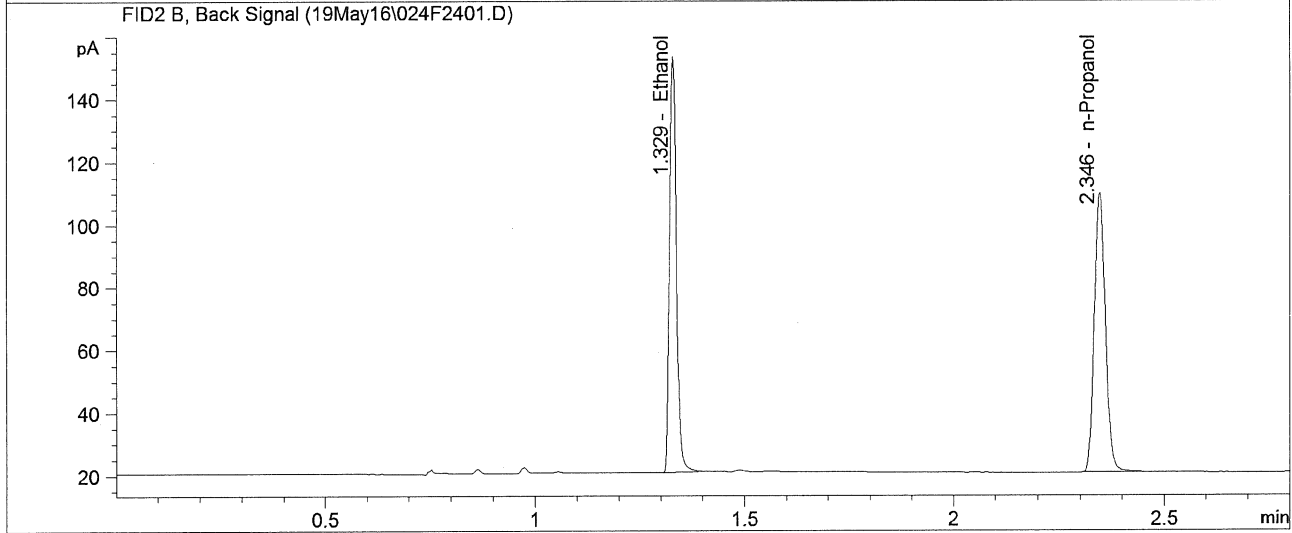
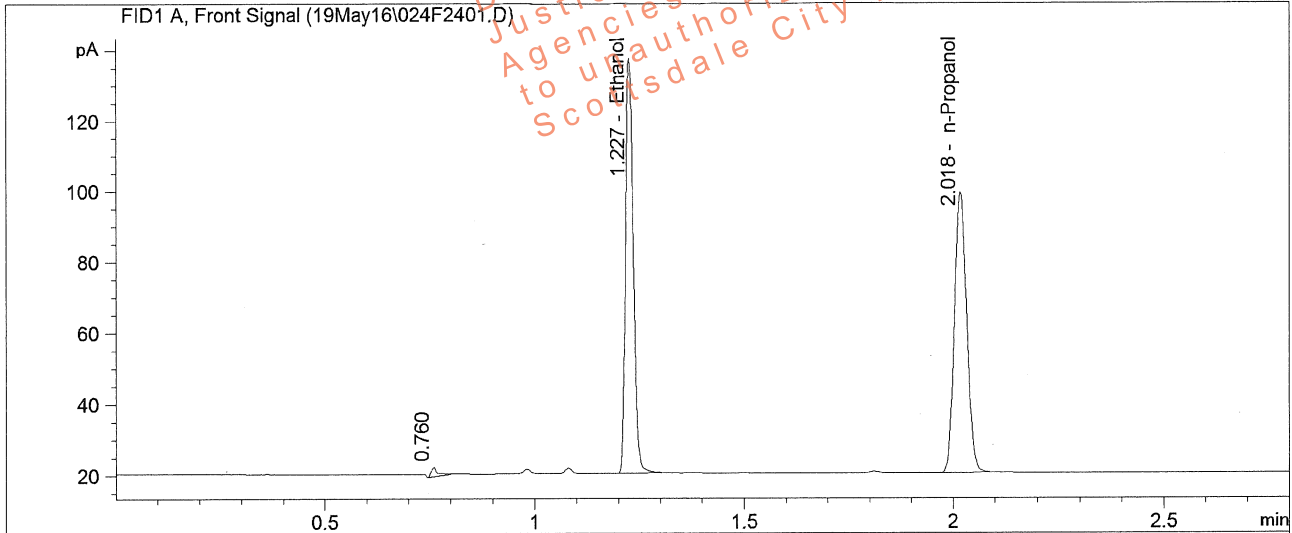


Table 1: FID 1 column DB-ALC1

Compound	Amount (g/dL)	Time (min)	Peak Area
1)Methanol		0.000	0.000
2)Acetaldehyde		0.000	0.000
3)Ethanol	0.2695	1.227	152.101
4)Isopropanol		0.000	0.000
5)Acetone		0.000	0.000
6)n-Propanol		2.018	162.718

Table 2: FID 2 column DB-ALC2

Compound	Time (min)	Peak Area
1)Acetaldehyde	0.000	0.000
2)Methanol	0.000	0.000
3)Ethanol	1.329	155.280
4)Acetone	0.000	0.000
5)Isopropanol	0.000	0.000
6)n-Propanol	2.346	166.086