

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/26/19 SEQUENCE NAME 26Nov19

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN02271802 0.99997  
 Vial 3 0.20 calibrator Lot FN06231704  
 Vial 4 0.40 calibrator Lot FN05131606

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 080519
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.404 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.150 g/dL	0.152 g/dL	Lipomed 09022015-C
42	Blood control	0.198 g/dL	0.196 g/dL	ACQ 407041529/13
45	Aqueous control	0.400 g/dL	0.404 g/dL	Lipomed 08012015-C
46	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
47	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
48	Blank	Not detected	Not detected	SPD lab 040919WB

**SUBJECT SAMPLES**

Subjects in the sequence 13 Subjects requiring reanalysis 0

**ADDITIONAL NOTES:** All testing proceeded as expected. This run also included three different lots of control samples that needed to be validated.

Run valid  [Signature] Run valid  [Signature]  
 Run invalid  Analyst Run invalid  Technical Reviewer KLOSECKI

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

48

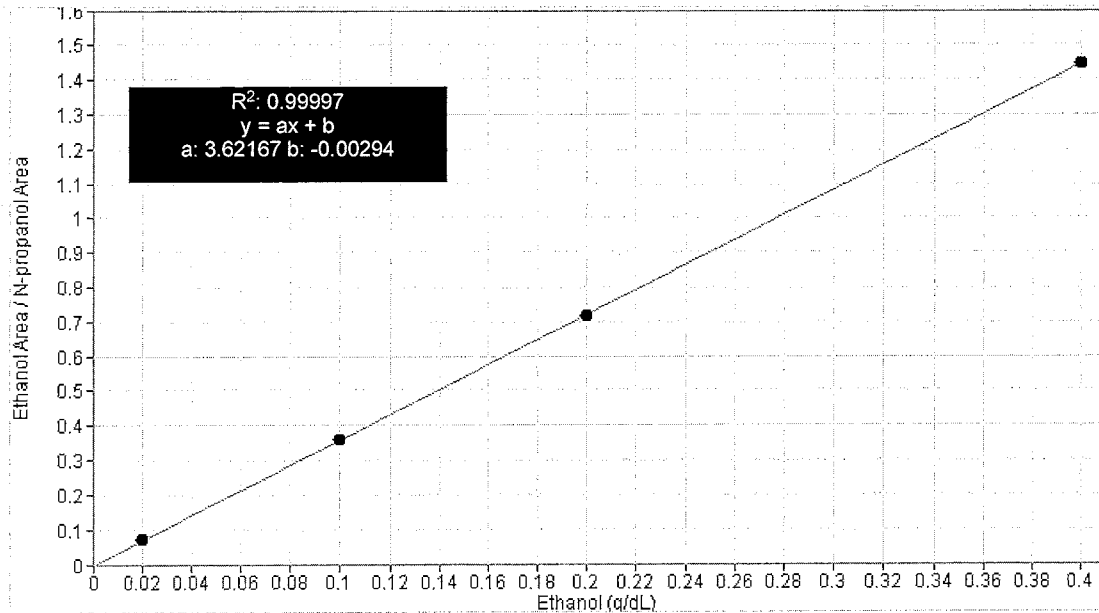
SEQUENCE NAME: 26Nov19

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 080519	5	negative	negative	-	-
0.400 08012015-C	7	0.404	0.400	1.00	0.004
0.040 09022015-A	8	0.039	0.040	2.50	-0.001
0.198 407041529/13	9	0.200	0.198	1.01	0.002
0.080 03102016-A/1	20	0.081	0.080	1.25	0.001
0.150 09022015-C	31	0.152	0.150	1.33	0.002
0.198 407041529/13	42	0.196	0.198	1.01	-0.002
0.400 08012015-C	45	0.404	0.400	1.00	0.004
0.040 09022015-A	46	0.039	0.040	2.50	-0.001
0.198 407041529/13	47	0.199	0.198	0.51	0.001
blank 040919WB	48	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.795	167.257	0.071
0.100	61.271	169.682	0.361
0.200	122.504	170.941	0.717
0.400	246.224	170.093	1.448

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03241604	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 26Nov19
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/26/2019 11:32:19 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>BS</i>
<b>Data file:</b> C:\Chem32\1\Data\26Nov19\1.D	

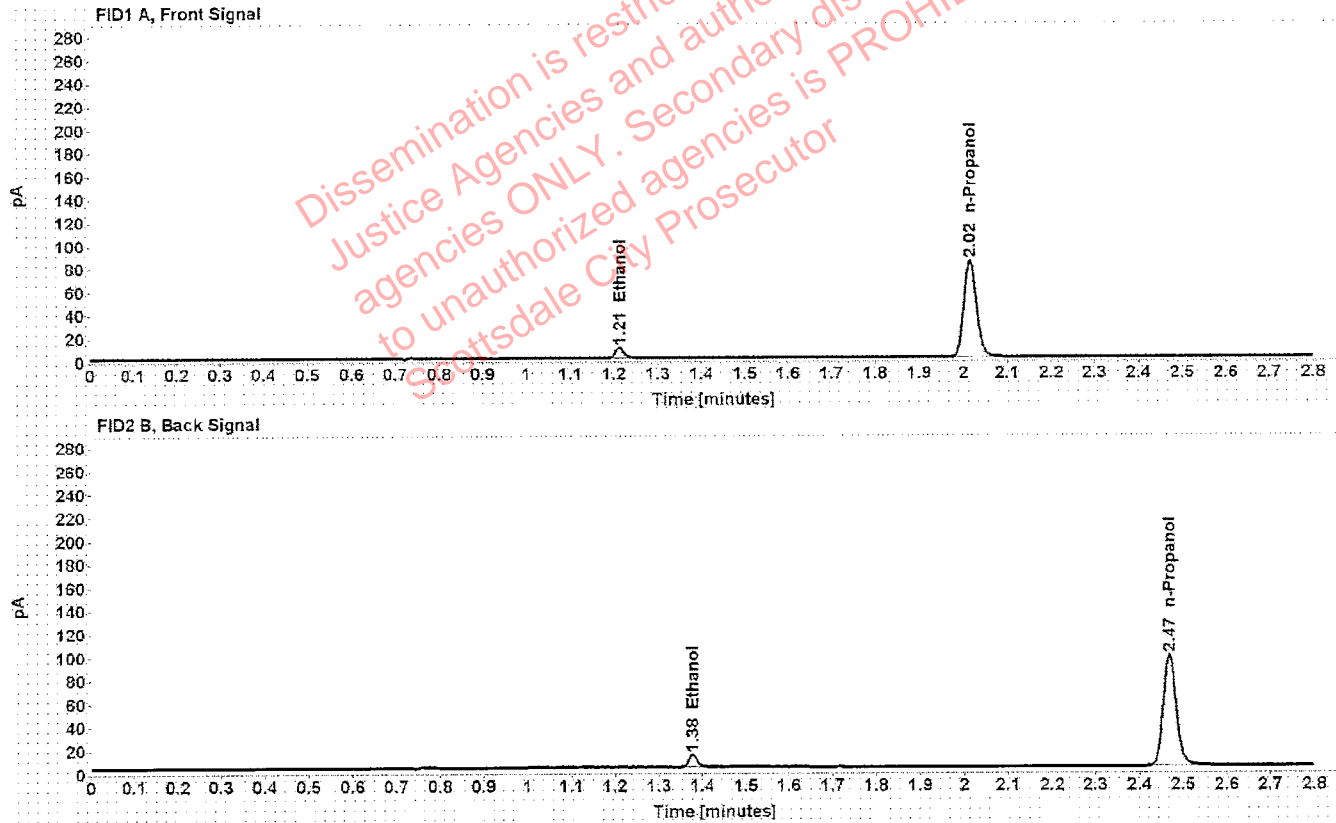


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.795
n-Propanol	2.015	167.257

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	14.265
n-Propanol	2.469	196.791

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 26Nov19
Method: ethanol quant.M	Injection date: 11/26/2019 11:36:19 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\26Nov19\2.D	

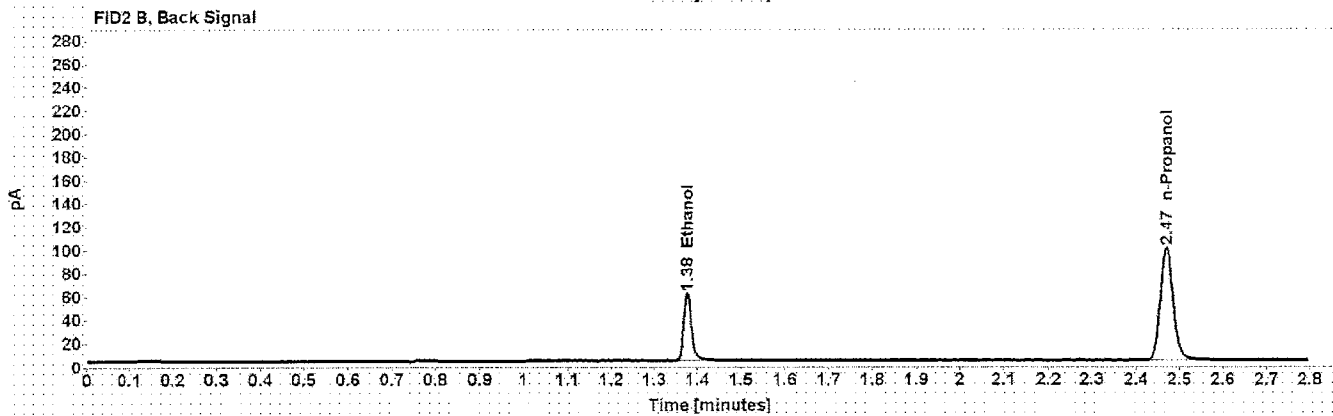
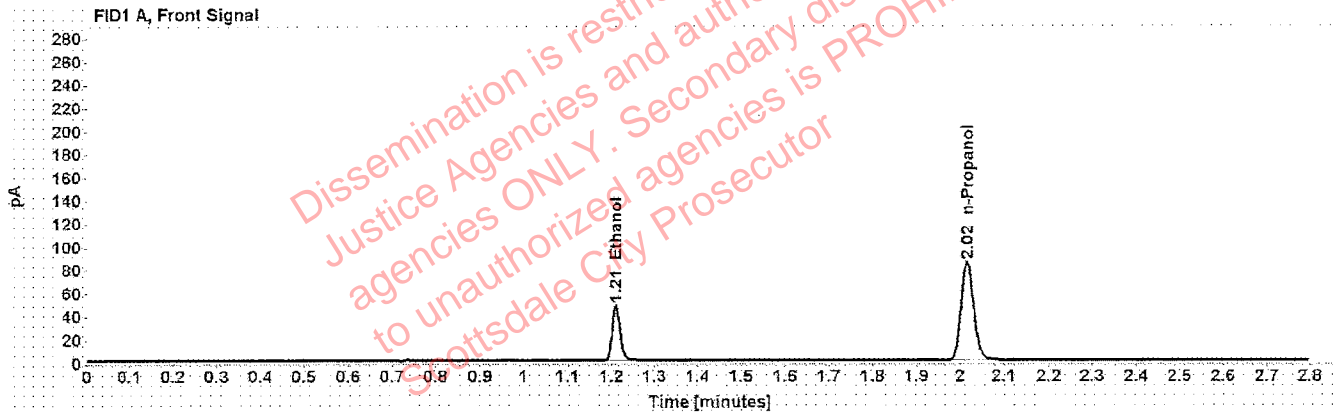


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	61.271
n-Propanol	2.016	169.682

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	74.941
n-Propanol	2.470	200.673

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 26Nov19
Method: ethanol quant.M	Injection date: 11/26/2019 11:40:19 AM
Instrument: US14173023 CN14160045	Analyst: Brooke RS
Data file: C:\Chem32\1\Data\26Nov19\3.D	

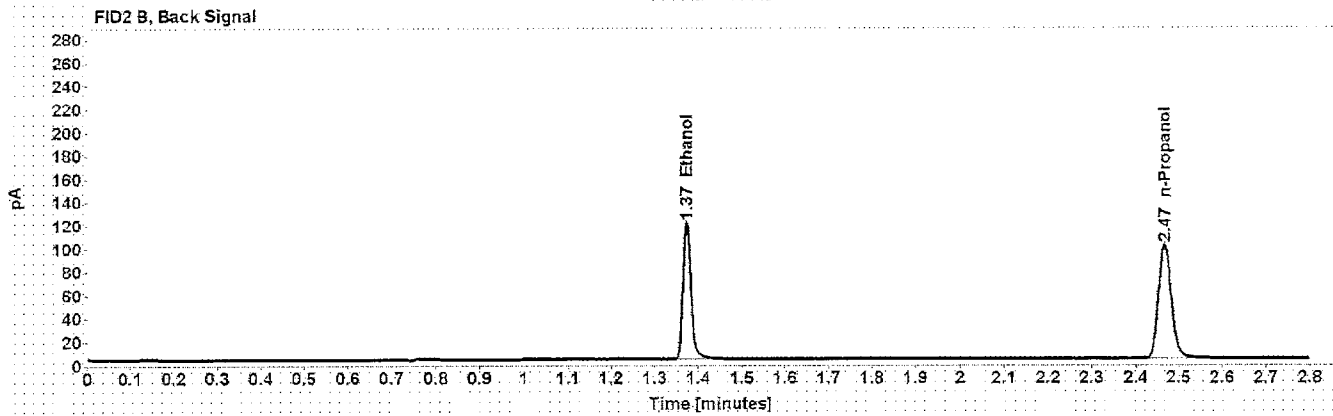
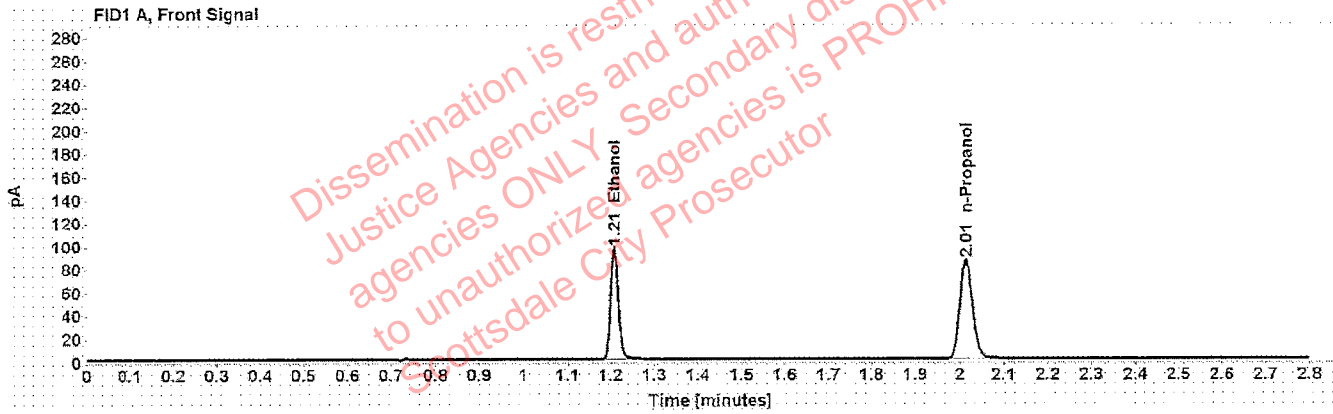


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	122.504
n-Propanol	2.014	170.941

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.373	150.093
n-Propanol	2.467	202.939

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 26Nov19
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 11/26/2019 11:44:20 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>BC</i>
<b>Data file:</b> C:\Chem32\11\Data\26Nov19\4.D	

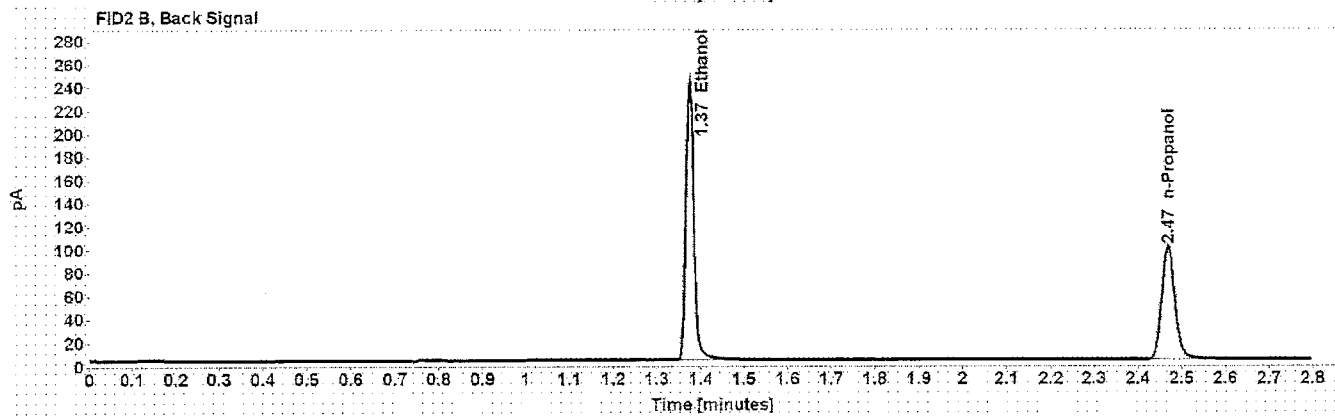
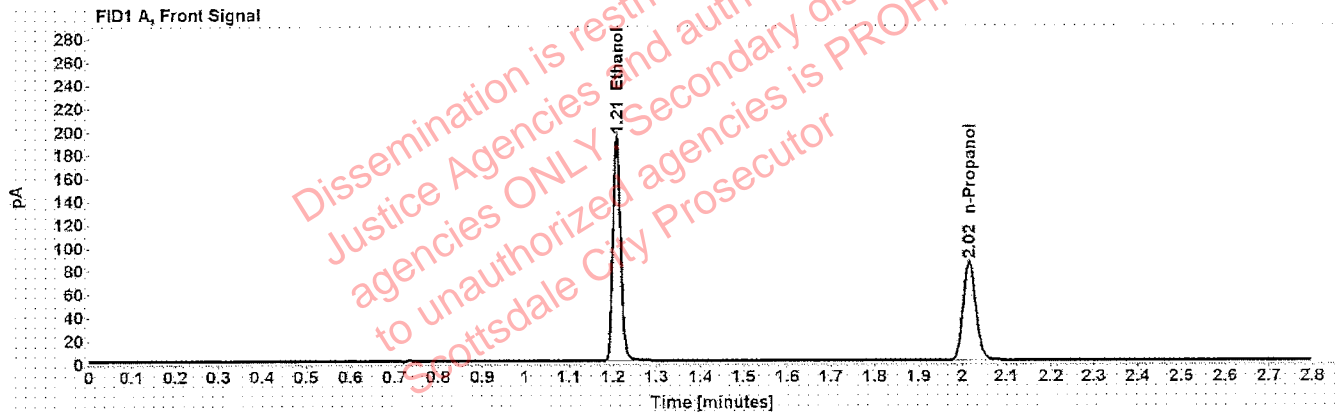


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	246.224
n-Propanol	2.015	170.093

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.375	302.919
n-Propanol	2.469	202.406

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 080519	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 11:48:19 AM
Data file: C:\Chem32\1\Data\26Nov19\5.D	Analyst: Brooke <i>VB</i>

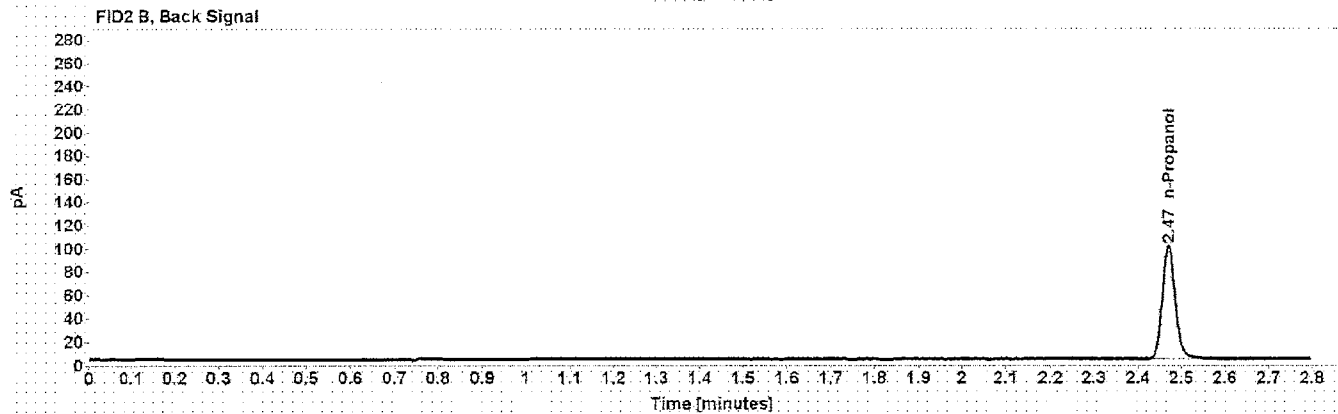


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	170.535

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.470	202.059

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 11:52:19 AM
Data file: C:\Chem32\1\Data\26Nov19\6.D	Analyst: Brooke

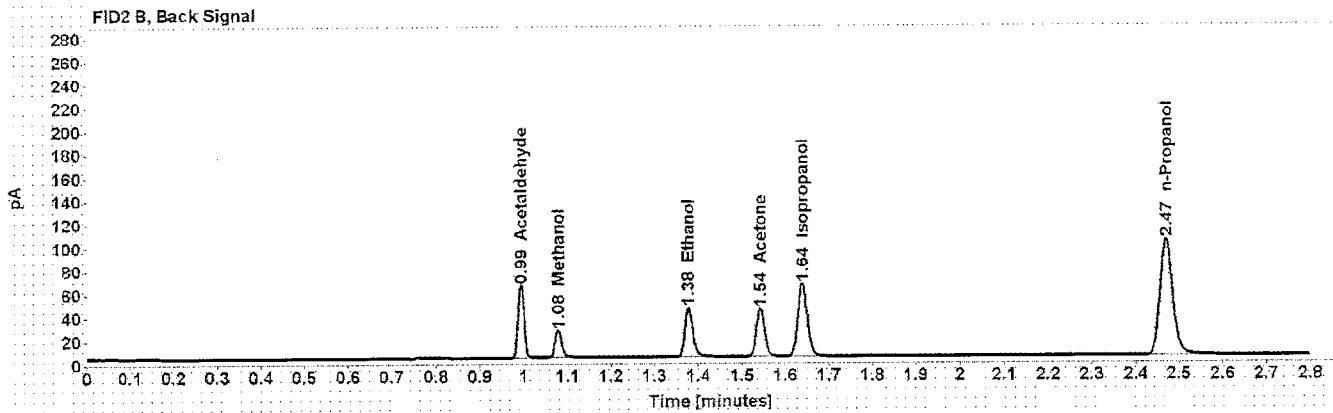
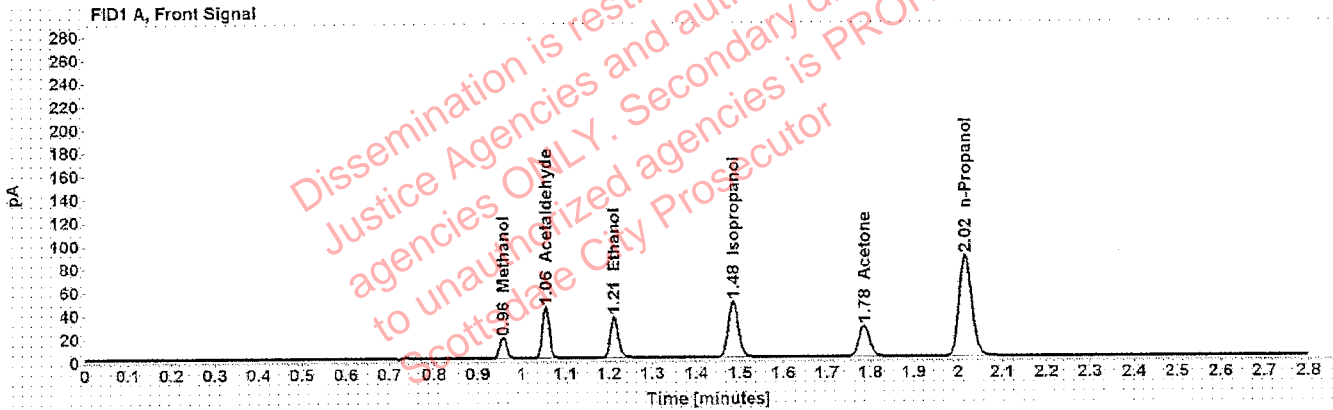


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.958	20.267
Acetaldehyde	-----	1.055	47.421
>Ethanol	0.0721	1.211	44.941
Isopropanol	-----	1.484	77.139
Acetone	-----	1.784	45.694
n-Propanol	-----	2.016	173.945

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	61.440
Methanol	1.079	25.875
Ethanol	1.378	54.404
Acetone	1.543	54.654
Isopropanol	1.639	95.981
n-Propanol	2.471	207.247



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 08012015-C	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 11:56:34 AM
Data file: C:\Chem32\1\Data\26Nov19\7.D	Analyst: Brooke

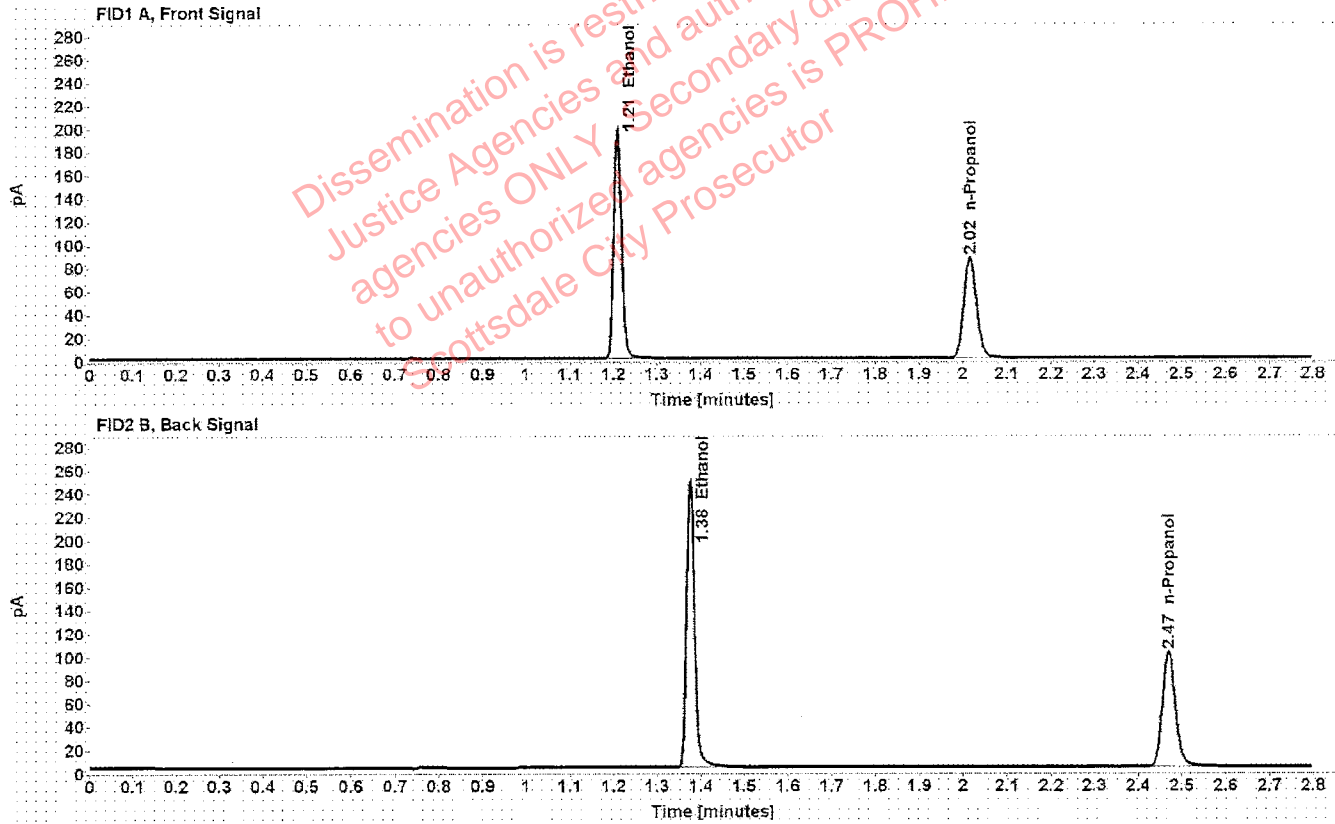


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4047	1.209	253.107
n-Propanol	-----	2.016	173.040

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.376	311.905
n-Propanol	2.470	205.869

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 12:00:34 PM
Data file: C:\Chem32\1\Data\26Nov19\8.D	Analyst: Brooke

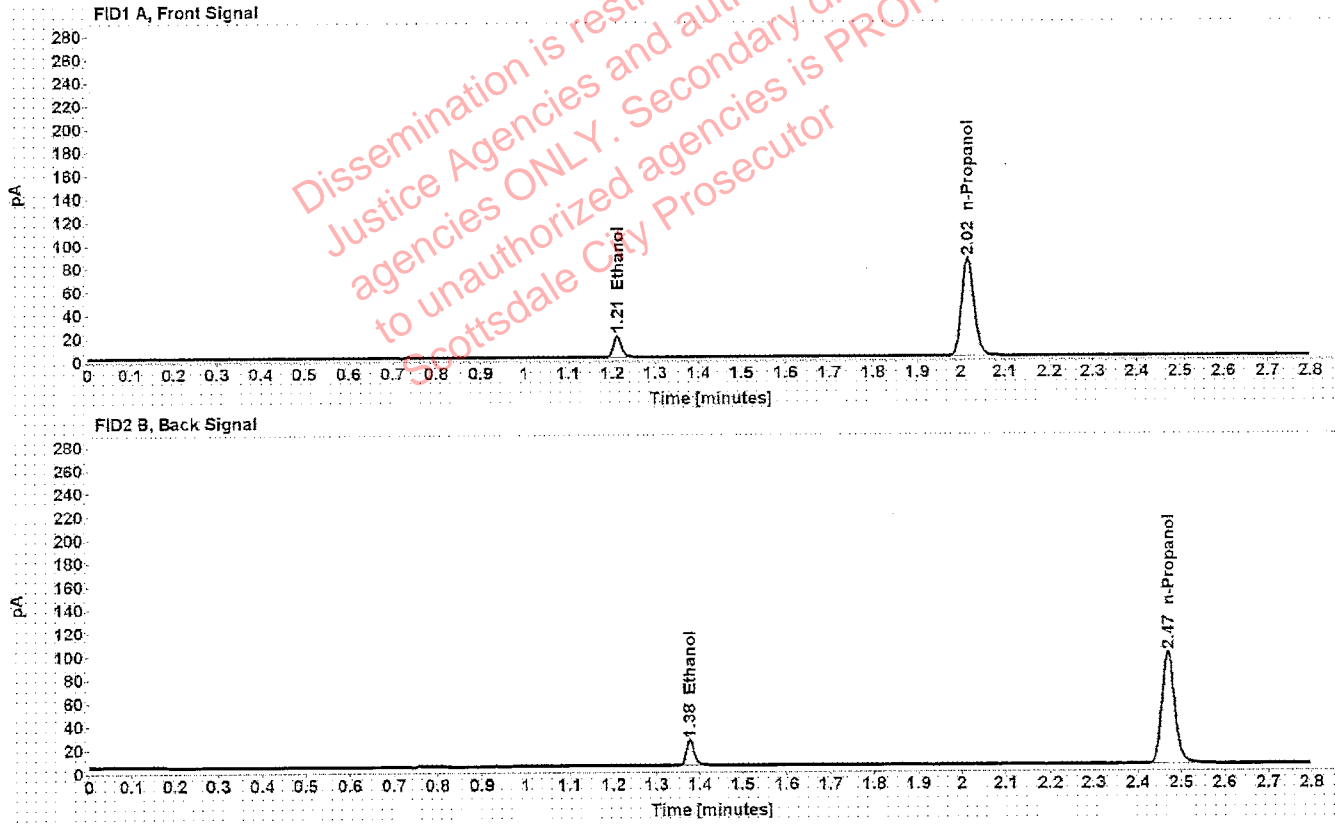


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0396	1.211	23.666
n-Propanol	-----	2.015	168.520

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	28.599
n-Propanol	2.469	199.579

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 12:04:34 PM
Data file: C:\Chem32\1\Data\26Nov19\9.D	Analyst: Brooke

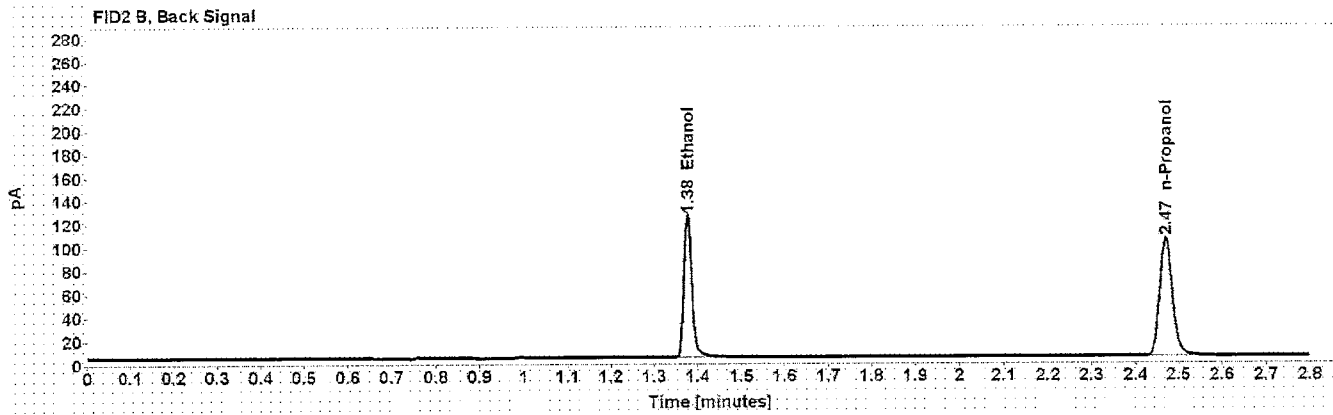
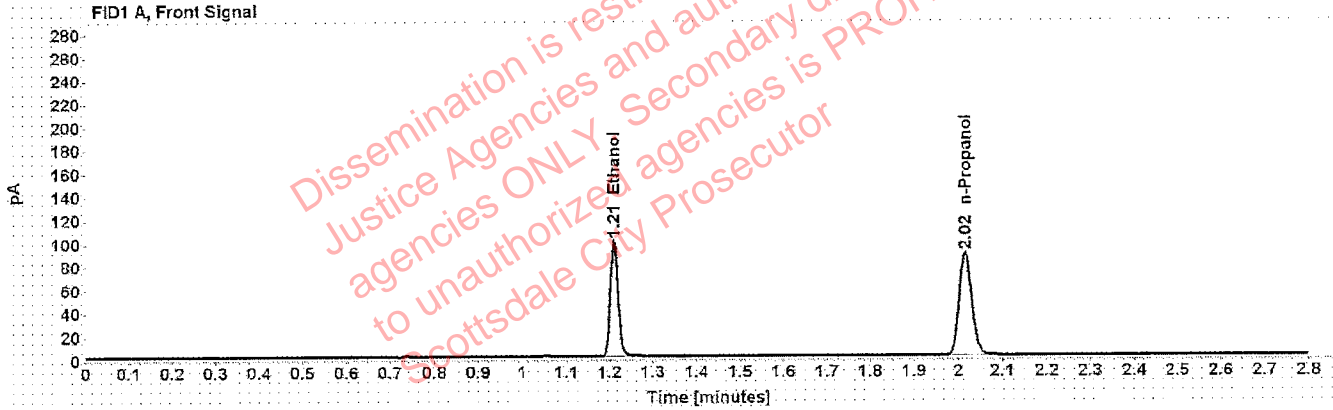


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2005	1.210	127.736
n-Propanol	-----	2.016	176.649

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	155.992
n-Propanol	2.470	209.677

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 12:49:05 PM
Data file: C:\Chem32\1\Data\26Nov19\20.D	Analyst: Brooke <i>JB</i>

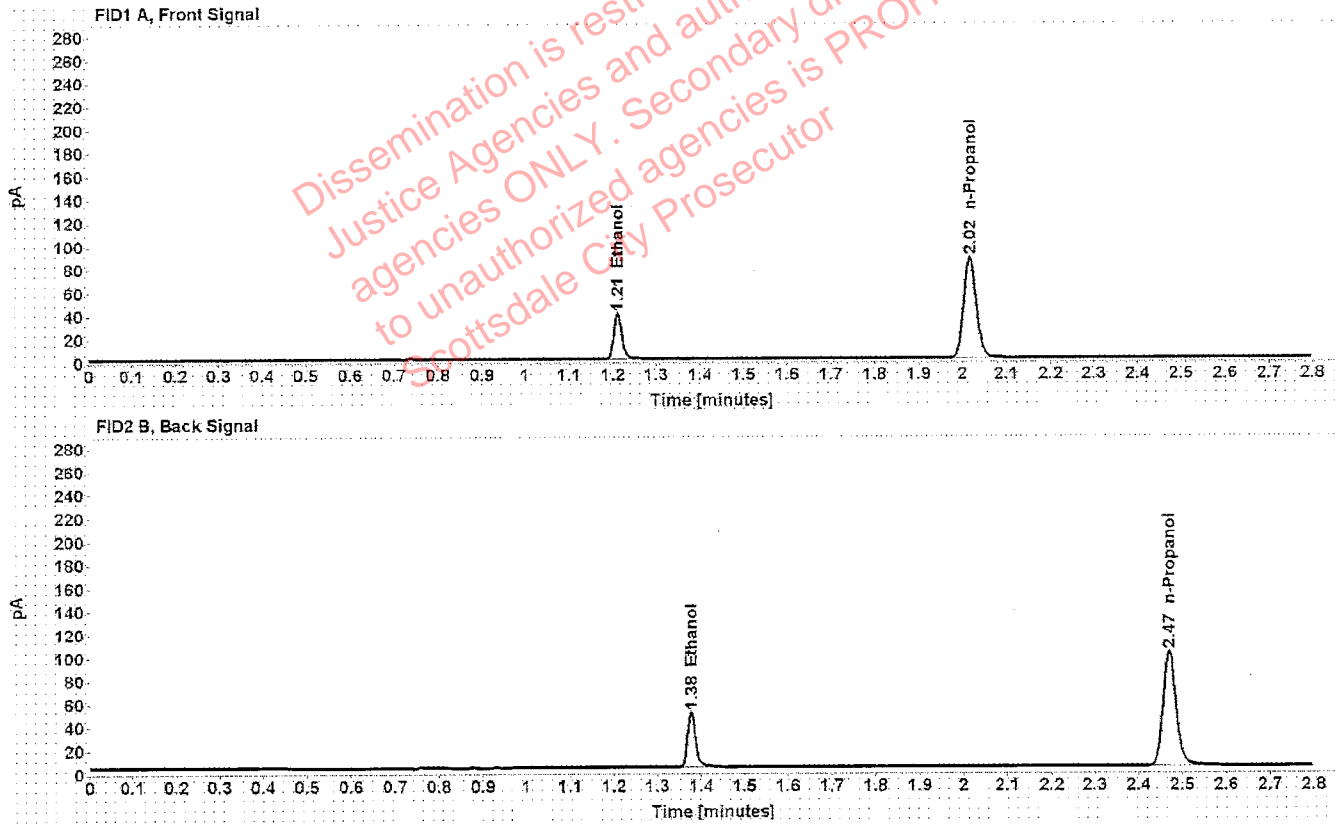


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0811	1.211	50.554
n-Propanol	-----	2.016	173.894

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	61.657
n-Propanol	2.470	206.541

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 1:33:34 PM
Data file: C:\Chem32\1\Data\26Nov19\31.D	Analyst: Brooke <i>ff</i>

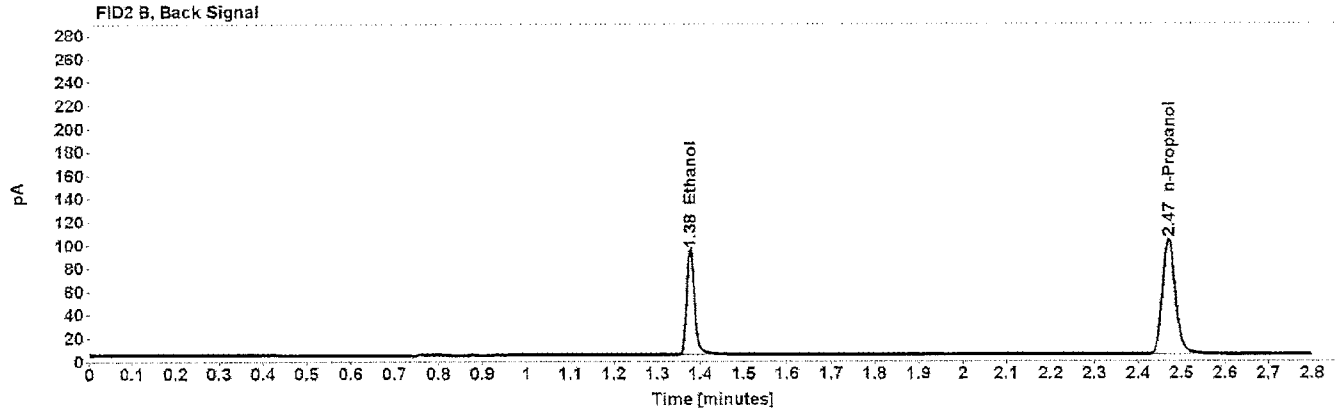
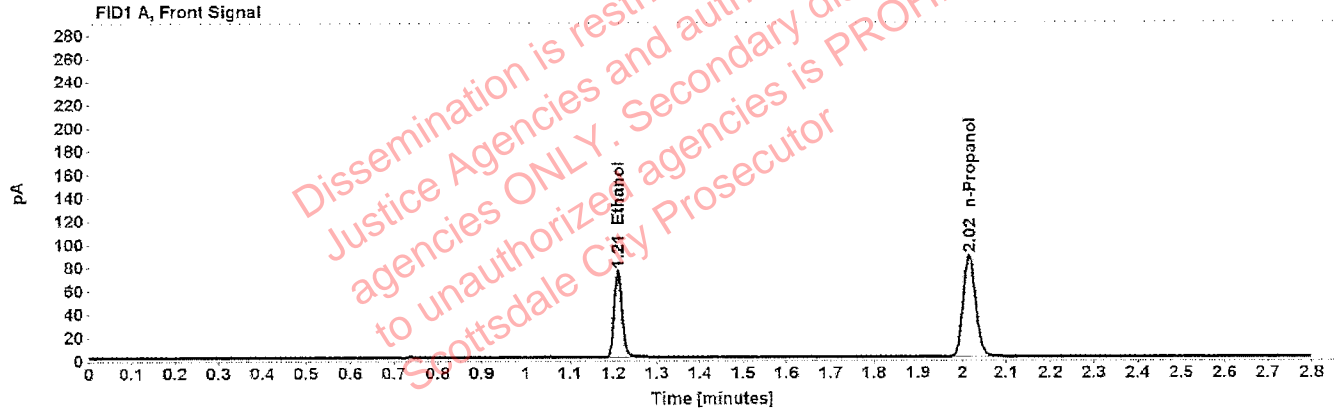


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1523	1.210	95.702
n-Propanol	-----	2.016	174.404

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.376	117.309
n-Propanol	2.470	207.136

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 42
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 2:17:50 PM
Data file: C:\Chem32\1\Data\26Nov19\42.D	Analyst: Brooke

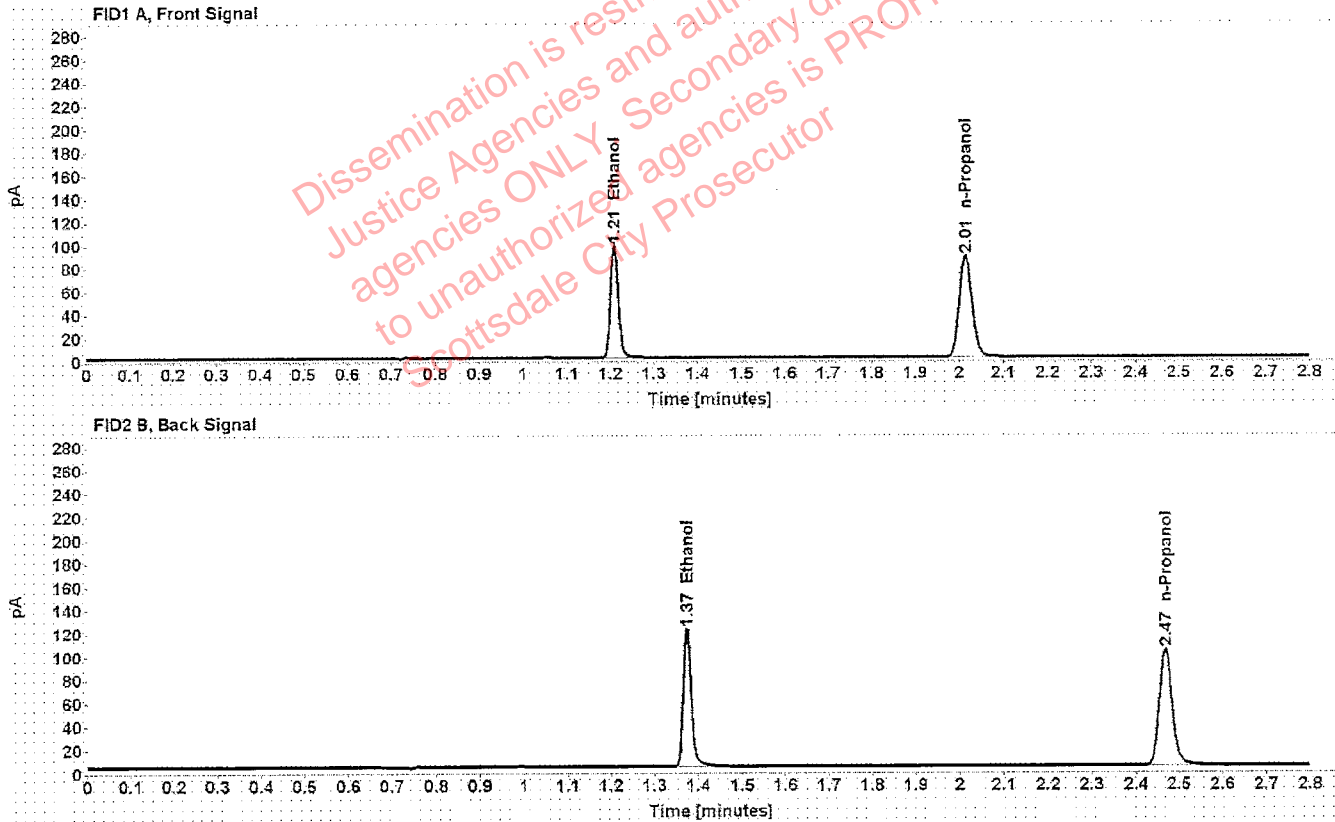


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1969	1.209	124.445
n-Propanol	-----	2.015	175.229

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.374	152.685
n-Propanol	2.468	208.904

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 08012015-C	<b>Vial:</b> 45
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 26Nov19
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/26/2019 2:30:04 PM
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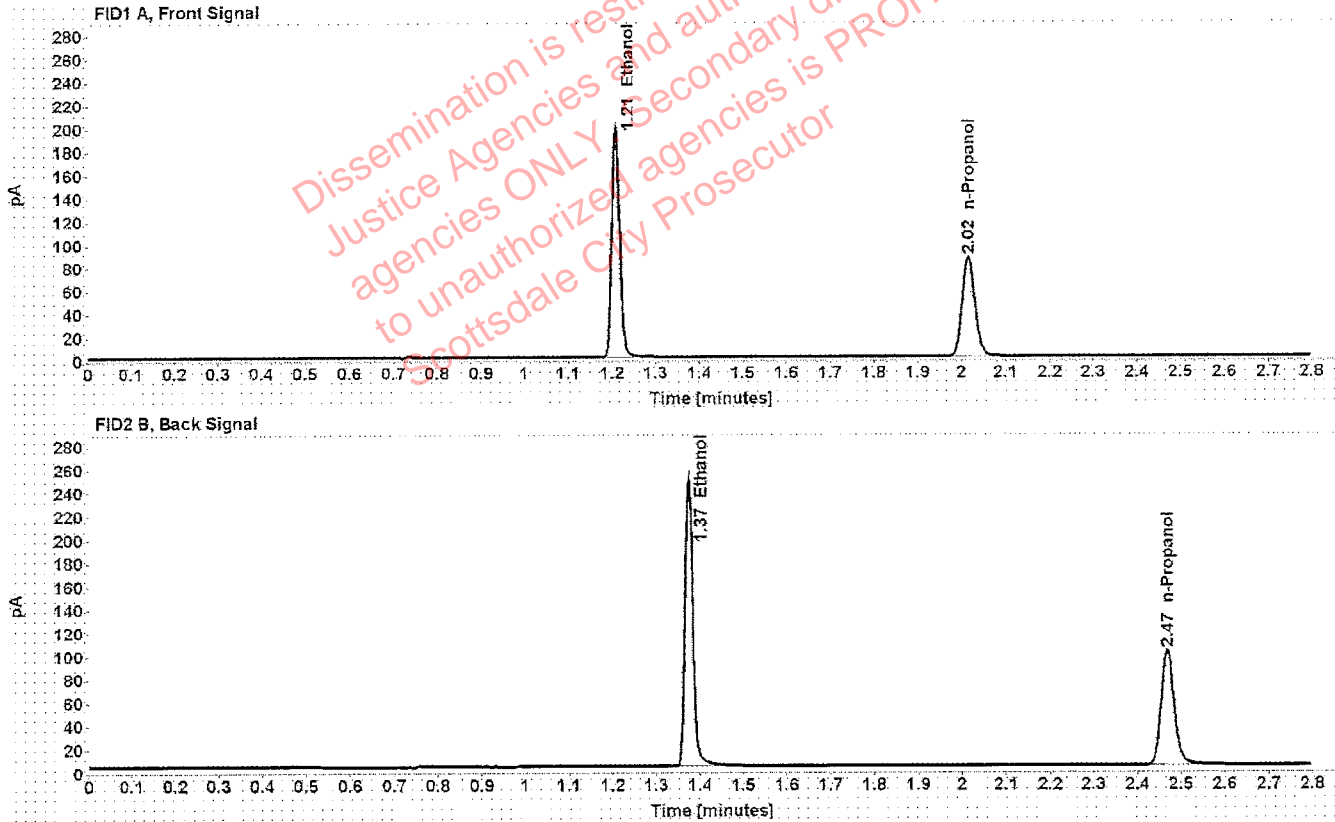


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4040	1.209	252.153
n-Propanol	-----	2.015	172.668

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.375	311.414
n-Propanol	2.469	206.326

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 46
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 2:34:04 PM
Data file: C:\Chem32\1\Data\26Nov19\46.D	Analyst: Brooke

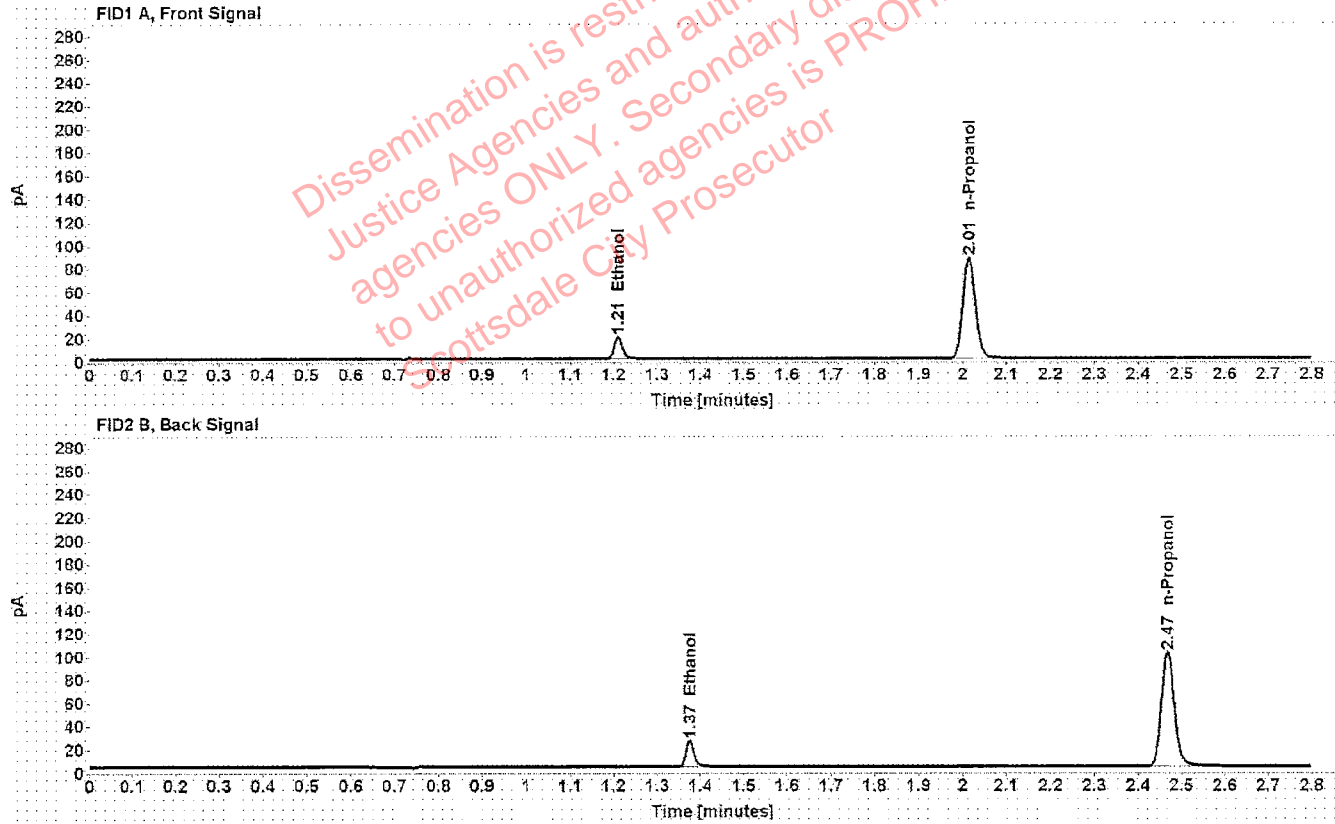


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0393	1.210	24.190
n-Propanol	-----	2.014	173.517

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.375	29.366
n-Propanol	2.468	206.462



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 47
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 26Nov19
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/26/2019 2:38:04 PM
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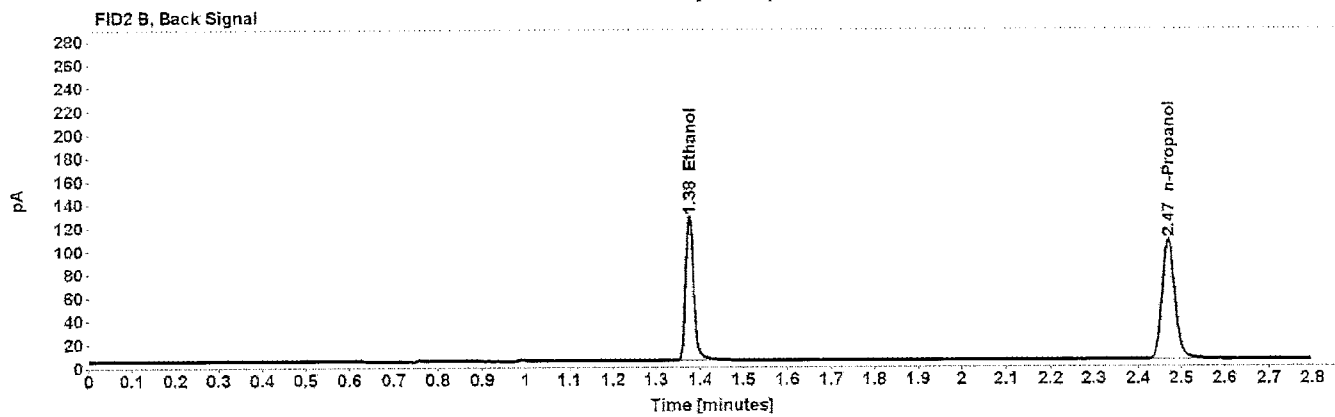
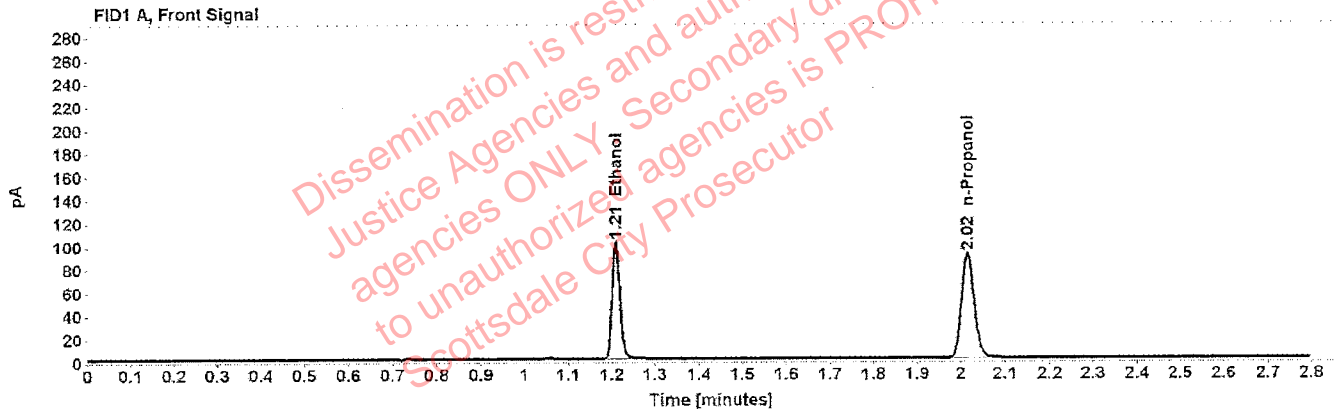


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1991	1.210	129.896
n-Propanol	-----	2.016	180.920

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.376	159.483
n-Propanol	2.470	216.201

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 040919WB	<b>Vial:</b> 48
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 26Nov19
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 11/26/2019 2:42:04 PM
<b>Data file:</b> C:\Chem32\1\Data\26Nov19\48.D	<b>Analyst:</b> Brooke

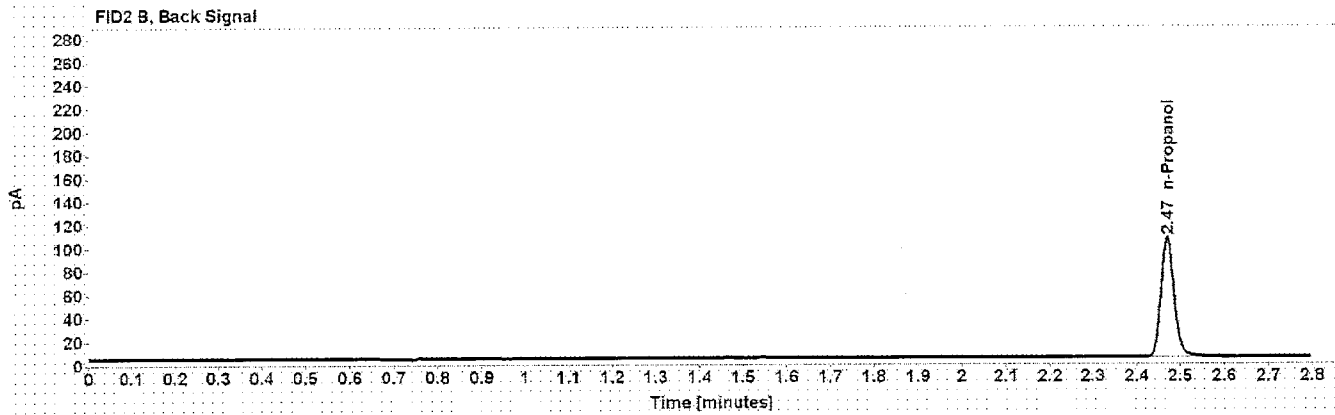


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	180.094

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.471	214.571

# Sequence Summary

Sequence name: 26Nov19      Instrument: US14173023 CN14160045      Analyst: Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	080519	Negative	Control		ethanol quant.M
6	070819	Volatiles mix	Control		ethanol quant.M
7	08012015-C	0.400	Control		ethanol quant.M
8	09022015-A	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1289536		Sample		ethanol quant.M
11	1289536		Sample		ethanol quant.M
12	1293711		Sample		ethanol quant.M
13	1293711		Sample		ethanol quant.M
14	1295023		Sample		ethanol quant.M
15	1295023		Sample		ethanol quant.M
16	1296676		Sample		ethanol quant.M
17	1296676		Sample		ethanol quant.M
18	1297459		Sample		ethanol quant.M
19	1297459		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1290442		Sample		ethanol quant.M
22	1290442		Sample		ethanol quant.M
23	1297307		Sample		ethanol quant.M
24	1297307		Sample		ethanol quant.M
25	1254438		Sample		ethanol quant.M
26	1254438		Sample		ethanol quant.M
27	1297518		Sample		ethanol quant.M
28	1297518		Sample		ethanol quant.M
29	1298275		Sample		ethanol quant.M
30	1298275		Sample		ethanol quant.M
31	09022015-C	0.150	Control		ethanol quant.M
32	1298380		Sample		ethanol quant.M
33	1298380		Sample		ethanol quant.M
34	1297286		Sample		ethanol quant.M
35	1297286		Sample		ethanol quant.M
36	1297241		Sample		ethanol quant.M
37	1297241		Sample		ethanol quant.M
38	11092018-A	Lipomed, 0.400	Sample	validation	ethanol quant.M
39	11092018-A	Lipomed, 0.400	Sample	validation	ethanol quant.M
40	14082019-B	Lipomed, 0.040	Sample	validation	ethanol quant.M
41	14082019-B	Lipomed, 0.040	Sample	validation	ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	14082019-C	Lipomed, 0.150	Sample	validation	ethanol quant.M
44	14082019-C	Lipomed, 0.150	Sample	validation	ethanol quant.M
45	08012015-C	0.400	Control		ethanol quant.M
46	09022015-A	0.040	Control		ethanol quant.M
47	407041529/13	0.198	Control		ethanol quant.M

# Sequence Summary

48	040919WB	Negative	Control	ethanol quant.M
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Scottsdale City Prosecutor

# Scottsdale Police Department Crime Laboratory Summary of Cases

16

SEQUENCE NAME: 26Nov19

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0000	0.0000	0.00000	0.00	0.00000
12 13	0.0000	0.0000	0.00000	0.00	0.00000
14 15	0.1187	0.1185	0.11860	0.08	0.00010
16 17	0.1390	0.1391	0.13905	0.04	0.00005
18 19	0.0436	0.0441	0.04385	0.57	0.00025
21 22	0.1792	0.1823	0.18075	0.86	0.00155
23 24	0.1885	0.1904	0.18945	0.50	0.00095
25 26	0.1760	0.1750	0.17550	0.28	0.00050
27 28	0.1958	0.1950	0.19540	0.20	0.00040
29 30	0.2031	0.2014	0.20225	0.42	0.00085
32 33	0.0984	0.0985	0.09845	0.05	0.00005
34 35	0.3148	0.3158	0.31530	0.16	0.00050
36 37	0.2264	0.2253	0.22585	0.24	0.00055
38 39	0.4014	0.4028	0.40210	0.17	0.00070
40 41	0.0402	0.0400	0.04010	0.25	0.00010
43 44	0.1506	0.1500	0.15030	0.20	0.00030

\*Calculated differences are differences from the mean of the two results.

**Scottsdale Forensic Lab  
Blood Alcohol Pipetting Log**

**ANALYST:** Brooke

**SEQUENCE:** 26Nov19

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1289536	1289536	1289536	Yes
Vials 12 and 13	1293711	1293711	1293711	Yes
Vials 14 and 15	1295023	1295023	1295023	Yes
Vials 16 and 17	1296676	1296676	1296676	Yes
Vials 18 and 19	1297459	1297459	1297459	Yes
Vials 21 and 22	1290442	1290442	1290442	Yes
Vials 23 and 24	1297307	1297307	1297307	Yes
Vials 25 and 26	1254438	1254438	1254438	Yes
Vials 27 and 28	1297518	1297518	1297518	Yes
Vials 29 and 30	1298275	1298275	1298275	Yes
Vials 32 and 33	1298380	1298380	1298380	Yes
Vials 34 and 35	1297286	1297286	1297286	Yes
Vials 36 and 37	1297241	1297241	1297241	Yes

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1289536	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:08:34 PM
Data file:	C:\Chem32\1\Data\26Nov19\10.D	Analyst:	Brooke

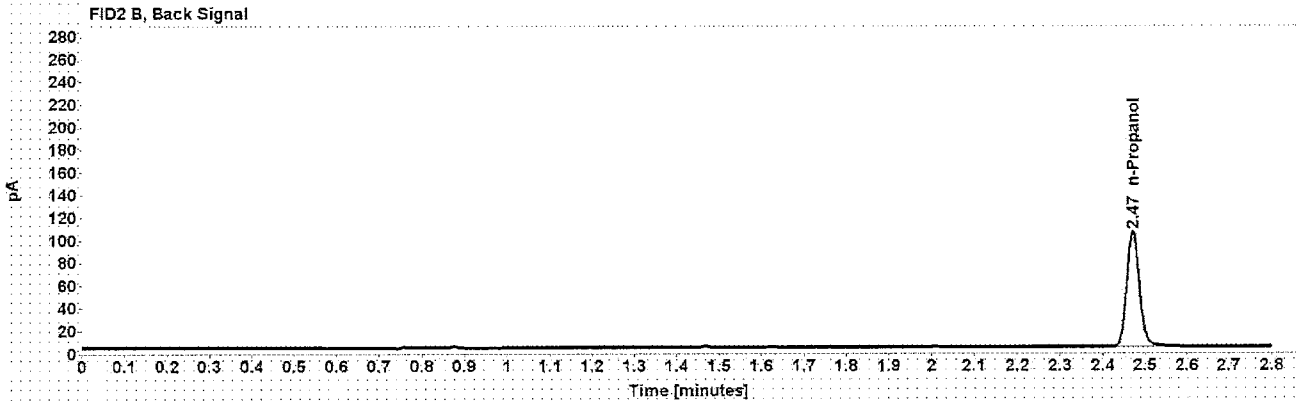
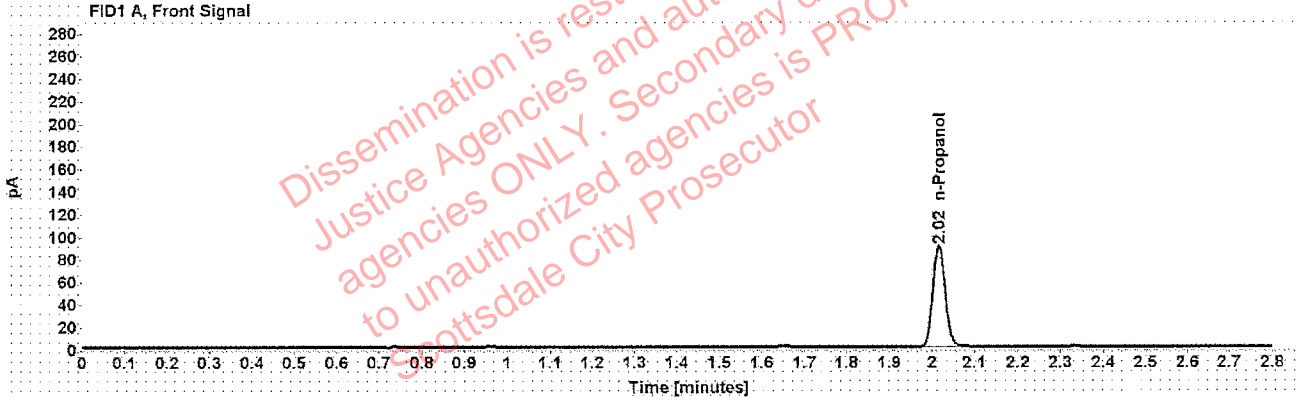


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	178.417

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.470	212.308

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1289536	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:12:34 PM
Data file:	C:\Chem32\1\Data\26Nov19\11.D	Analyst:	Brooke

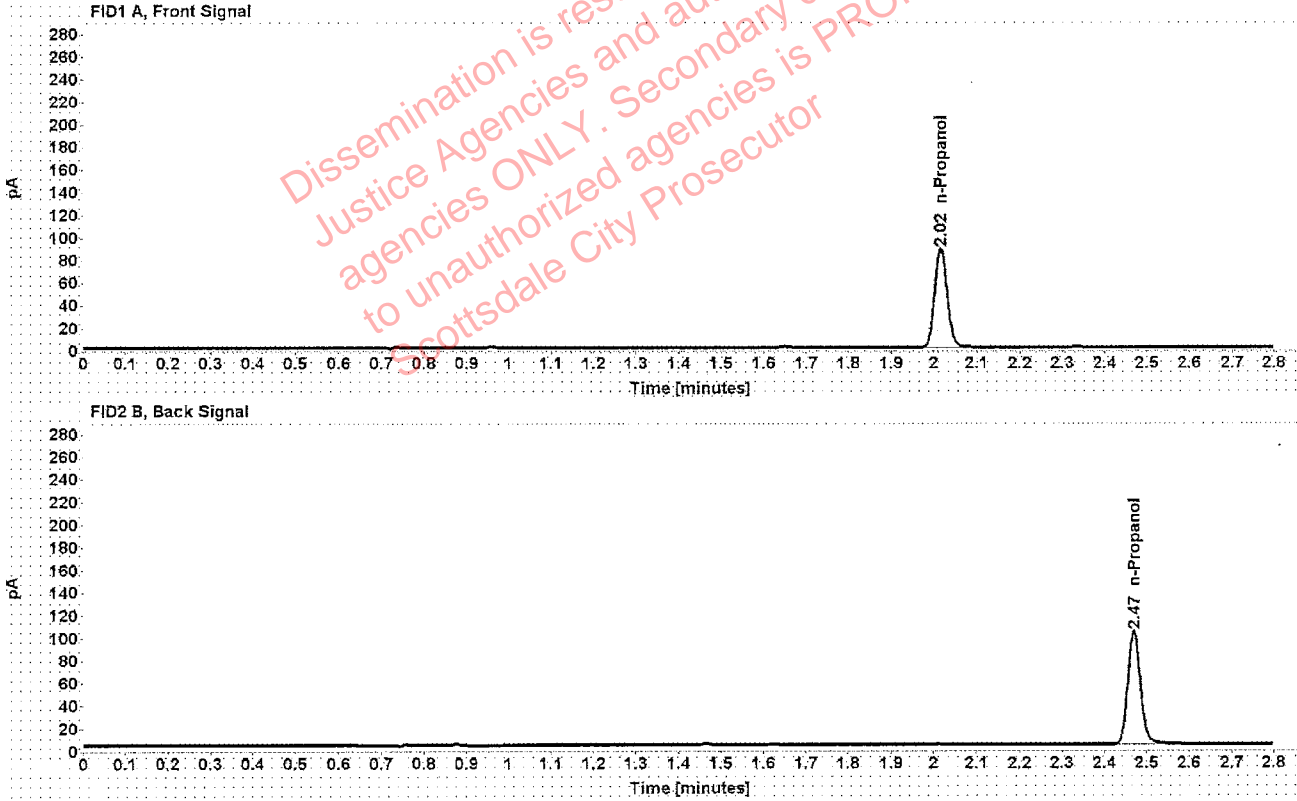


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	174.961

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.470	208.433



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293711	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:16:35 PM
Data file:	C:\Chem32\11\Data\26Nov19\12.D	Analyst:	Brooke

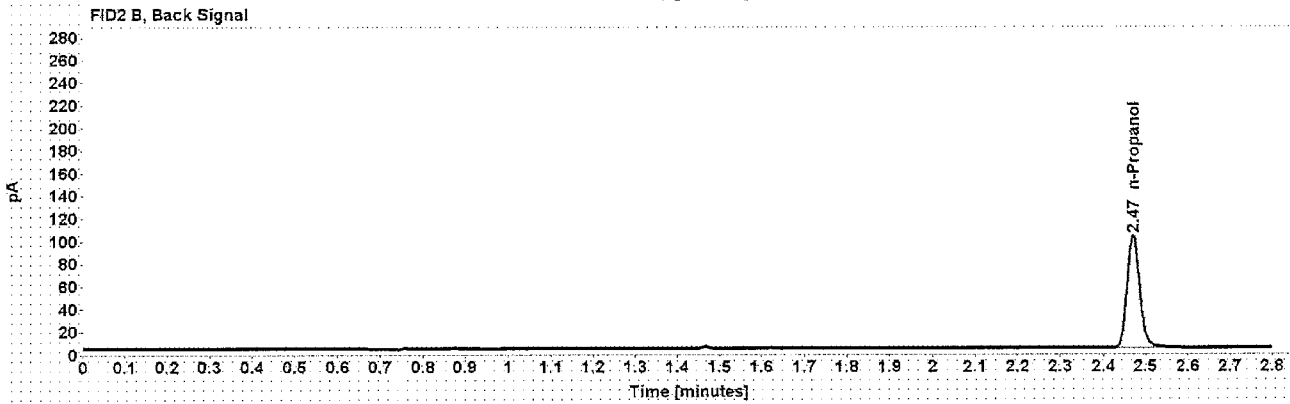
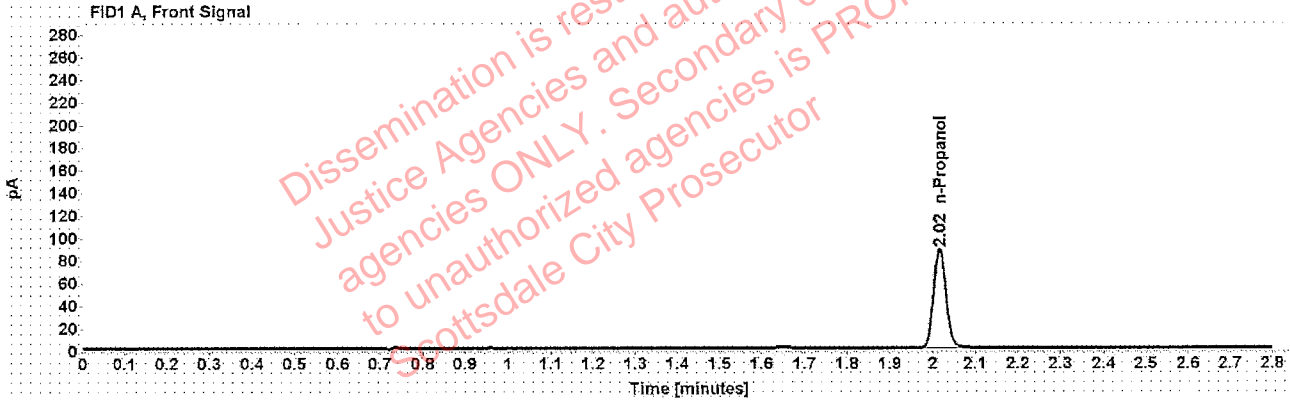


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	174.569

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.470	207.581

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293711	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:20:49 PM
Data file:	C:\Chem32\1\Data\26Nov19\13.D	Analyst:	Brooke

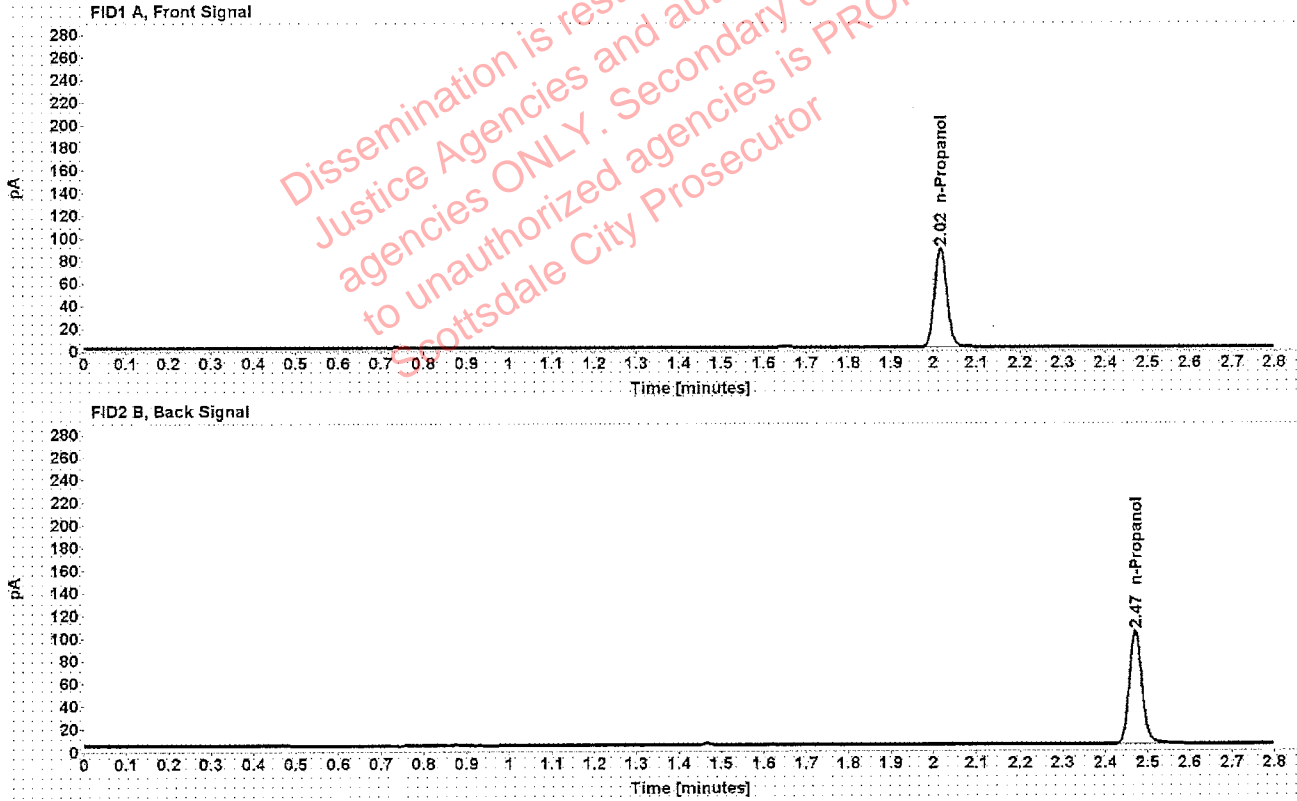


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	174.911

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.471	208.042

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295023	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:24:49 PM
Data file:	C:\Chem32\11\Data\26Nov19\14.D	Analyst:	Brooke

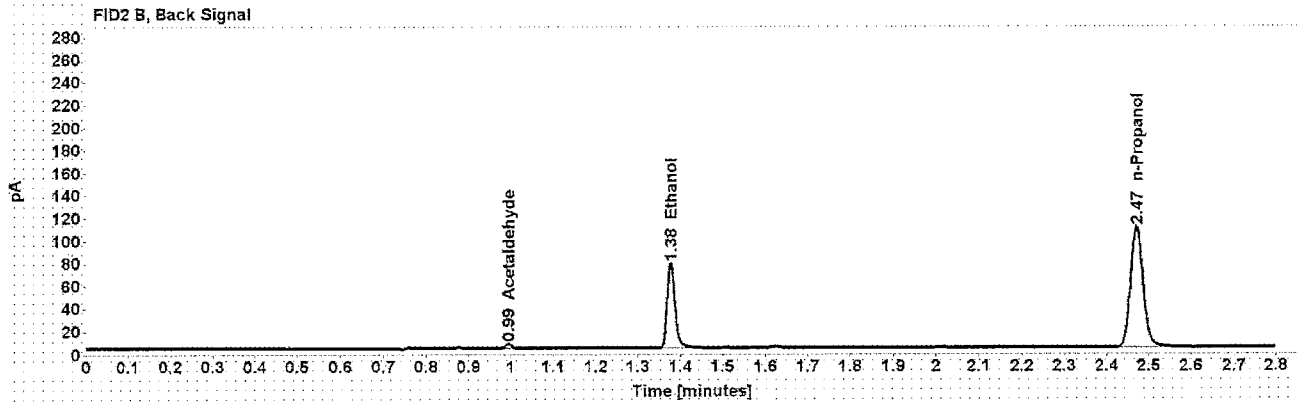
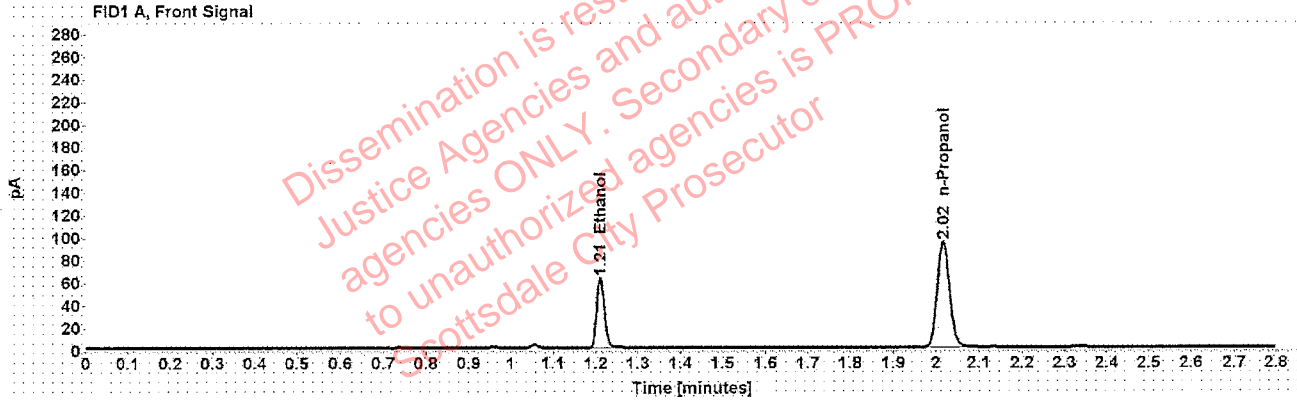


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1187	1.211	79.584
n-Propanol	-----	2.016	186.457

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.894
Ethanol	1.377	96.641
n-Propanol	2.471	222.829

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295023	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:28:49 PM
Data file:	C:\Chem32\1\Data\26Nov19\15.D	Analyst:	Brooke

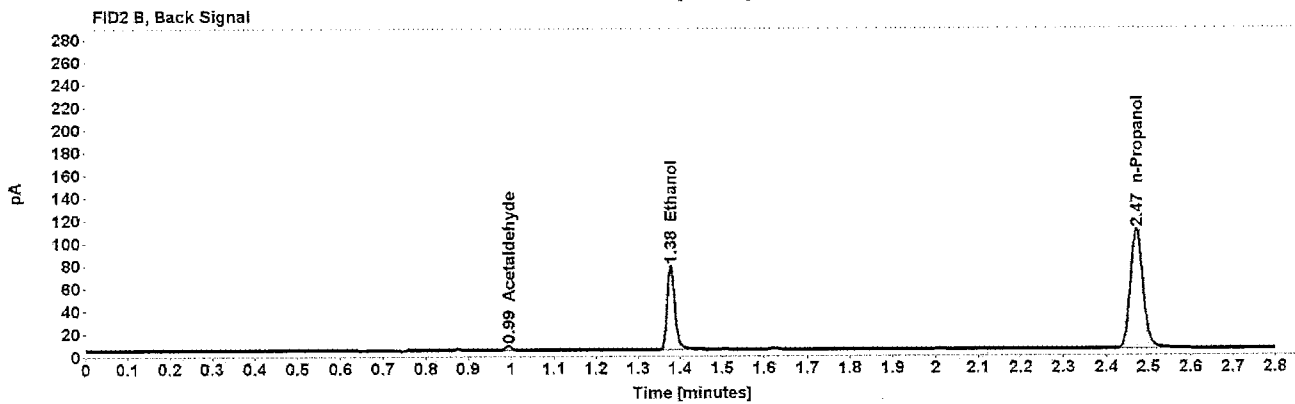
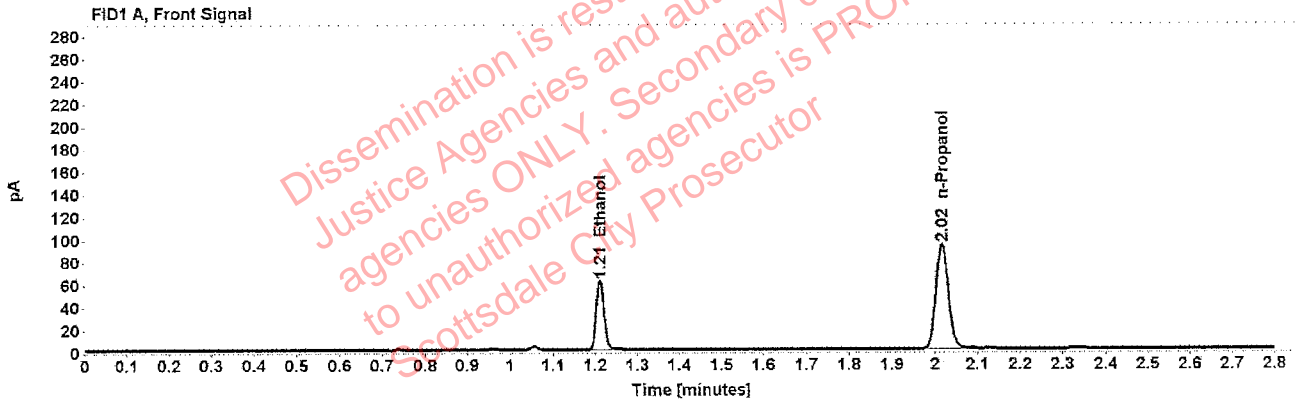


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1185	1.211	78.644
n-Propanol	-----	2.016	184.528

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.868
Ethanol	1.377	95.600
n-Propanol	2.471	220.718

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296676	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:32:50 PM
Data file:	C:\Chem321\1\Data\26Nov19\16.D	Analyst:	Brooke

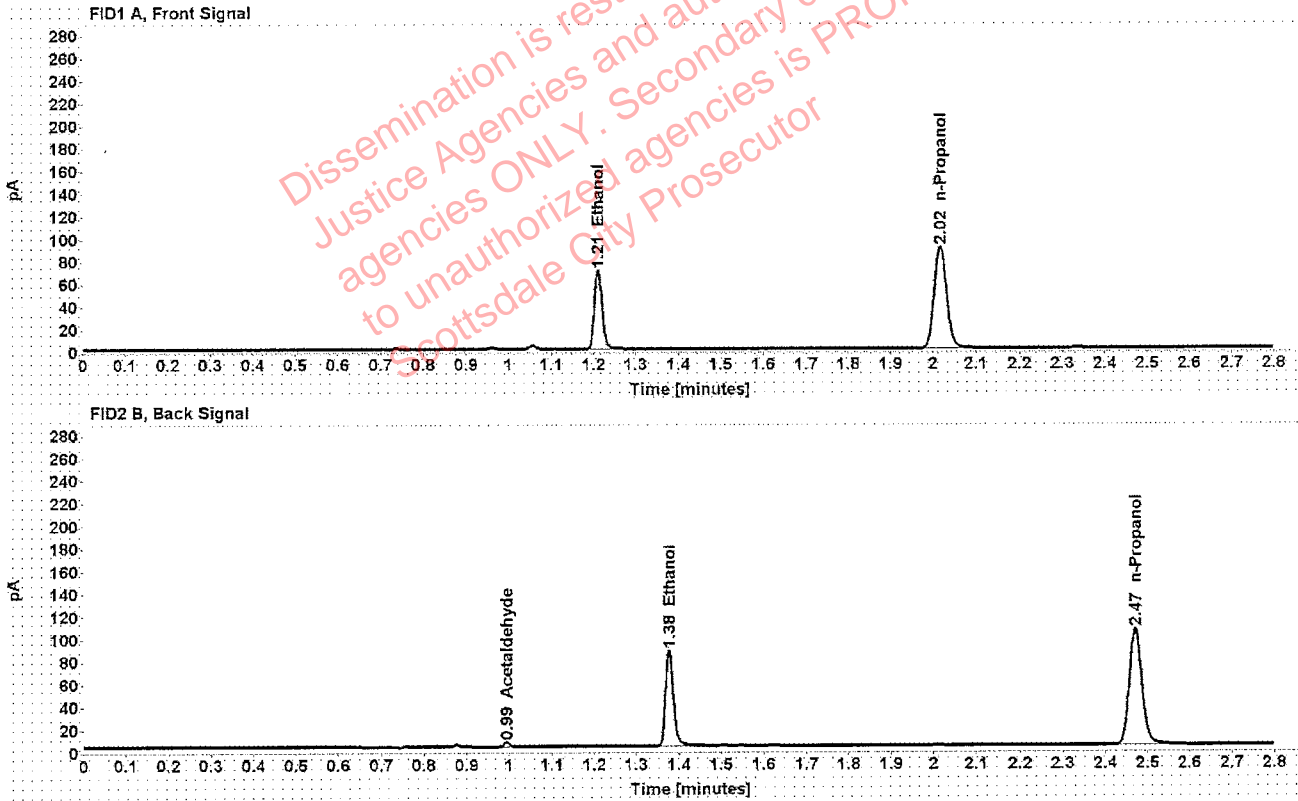


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1390	1.211	89.730
n-Propanol	-----	2.016	179.339

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.901
Ethanol	1.377	110.891
n-Propanol	2.471	214.521

[REDACTED] : Brooke, Phillip - (02-Dec-2019)

Case: [REDACTED] User: pbrooke 12/2/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296676	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:36:50 PM
Data file:	C:\Chem32\11\Data\26Nov19\17.D	Analyst:	Brooke

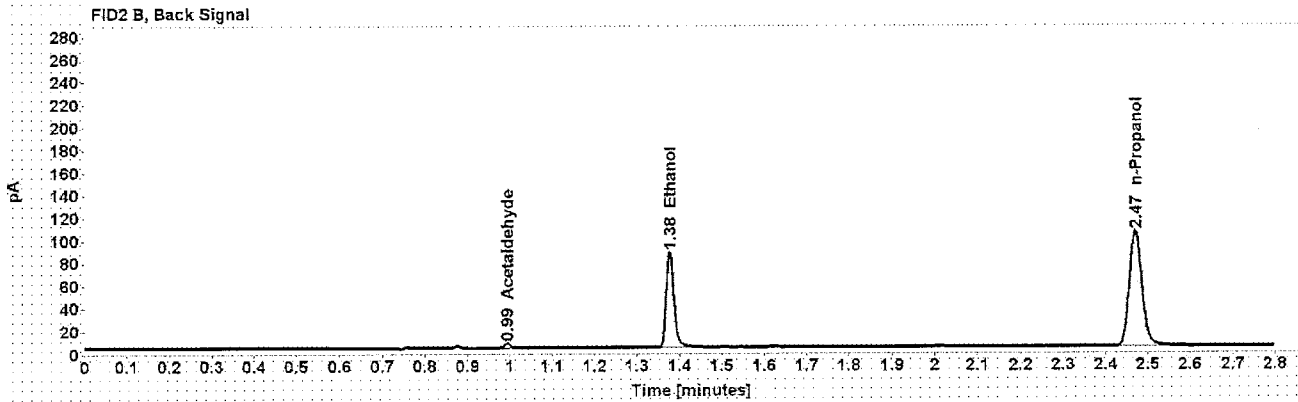
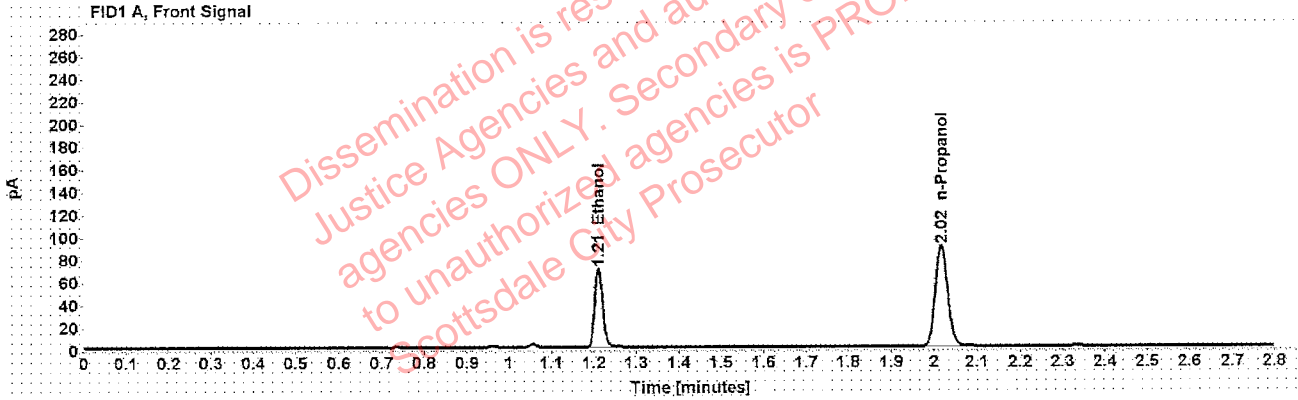


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1391	1.211	89.150
n-Propanol	-----	2.016	178.027

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.876
Ethanol	1.377	110.014
n-Propanol	2.471	212.659

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297459	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:40:50 PM
Data file:	C:\Chem32\1\Data\26Nov19\18.D	Analyst:	Brooke

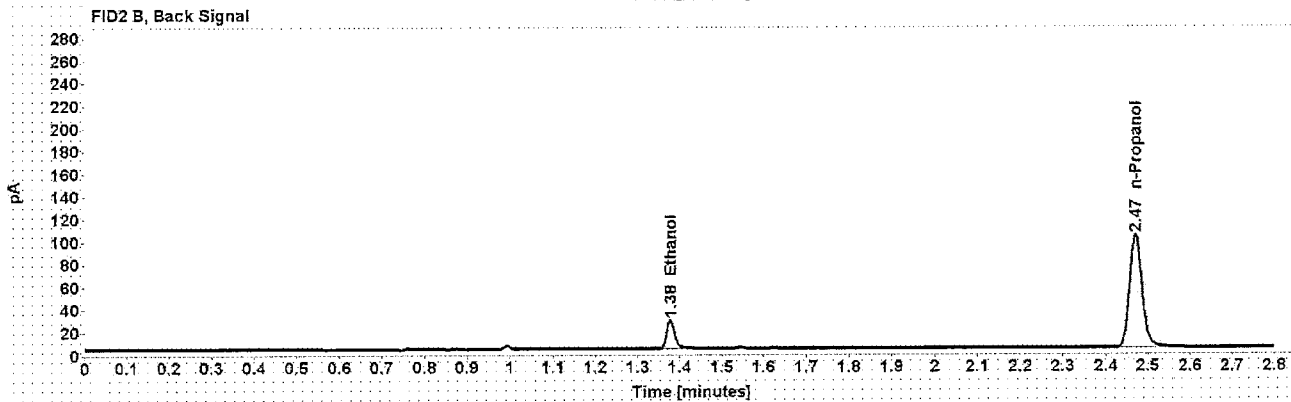
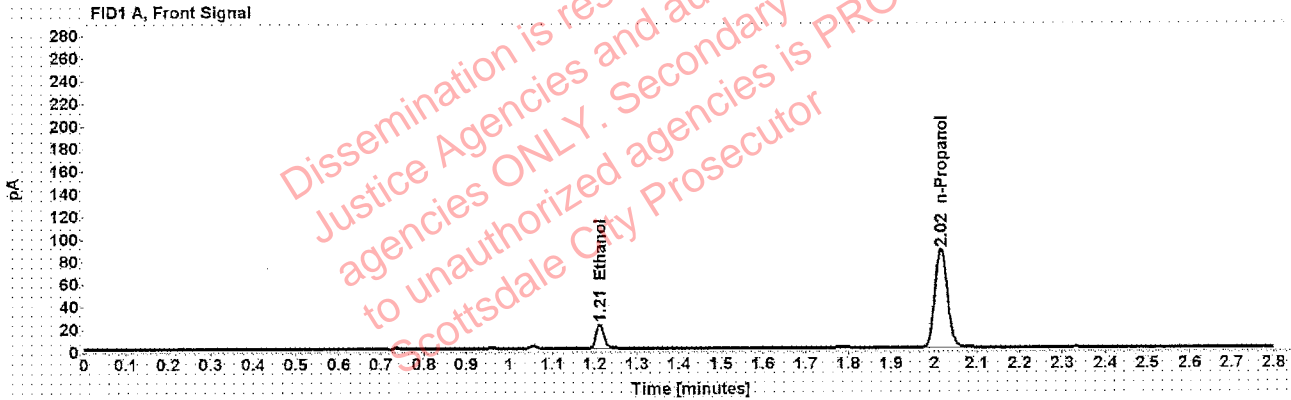


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0436	1.212	27.015
n-Propanol	-----	2.016	174.398

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.378	32.527
n-Propanol	2.470	207.864

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297459	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:45:04 PM
Data file:	C:\Chem32\1\Data\26Nov19\19.D	Analyst:	Brooke

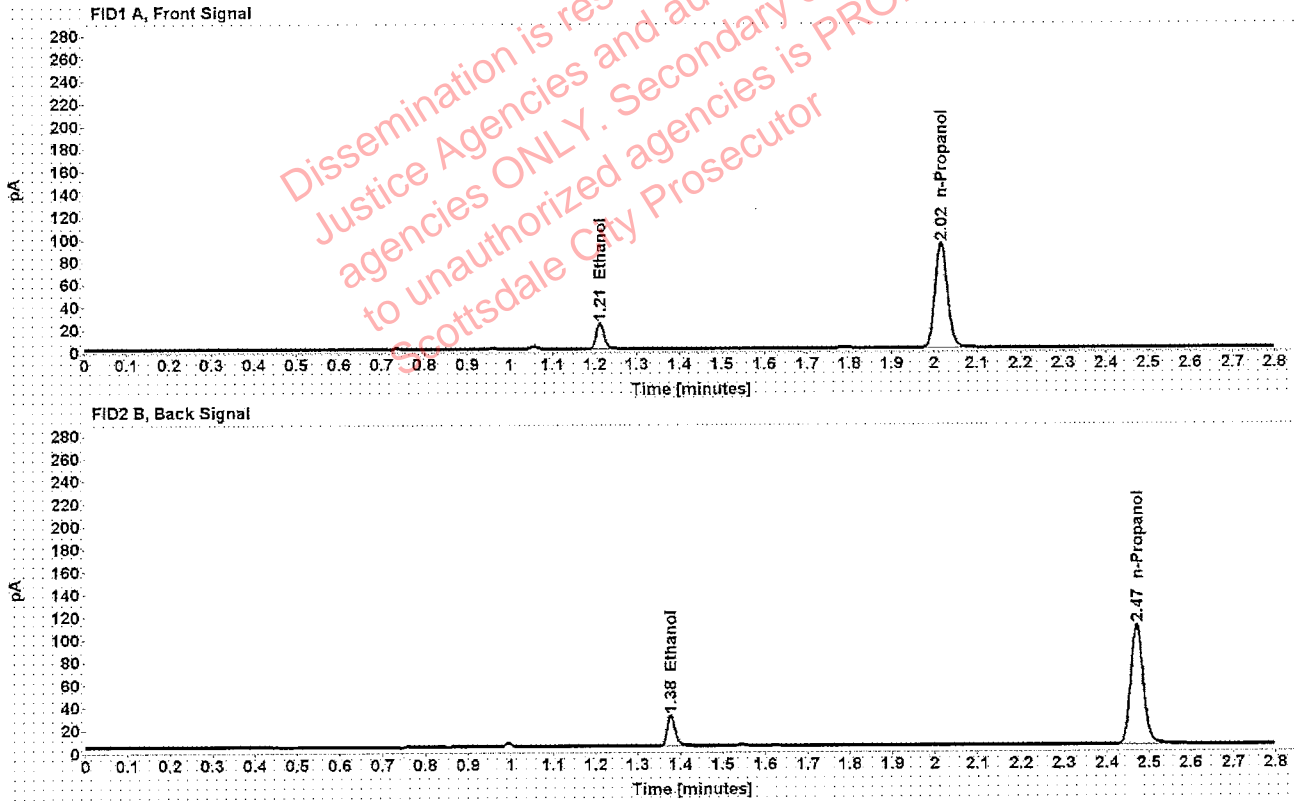


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0441	1.212	29.001
n-Propanol	-----	2.016	185.127

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.378	35.900
n-Propanol	2.471	220.774



Case: [REDACTED] User: pbrooke 12/2/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1290442	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:53:04 PM
Data file:	C:\Chem32\1\Data\26Nov19\21.D	Analyst:	Brooke

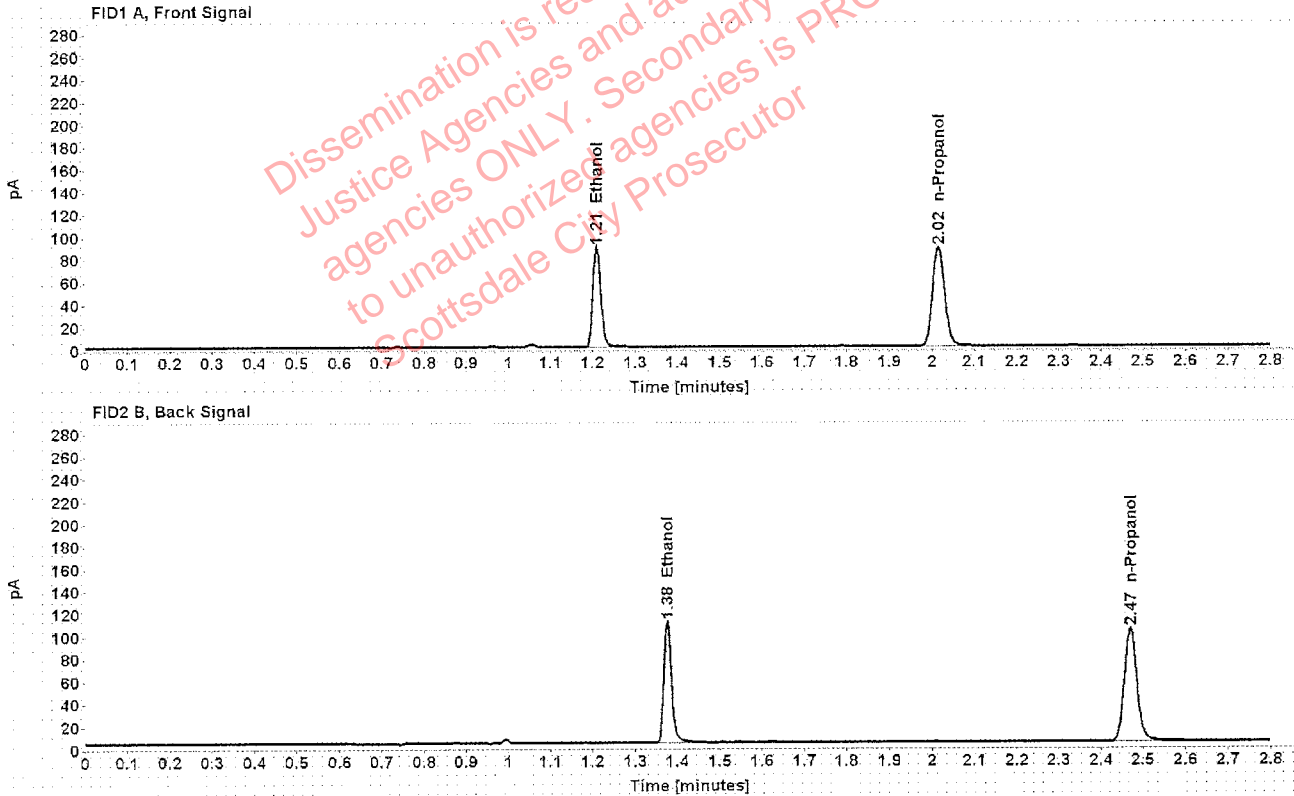


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1792	1.210	113.556
n-Propanol	-----	2.016	175.785

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.376	140.448
n-Propanol	2.470	209.318

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1290442	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 12:57:05 PM
Data file:	C:\Chem32\1\Data\26Nov19\22.D	Analyst:	Brooke

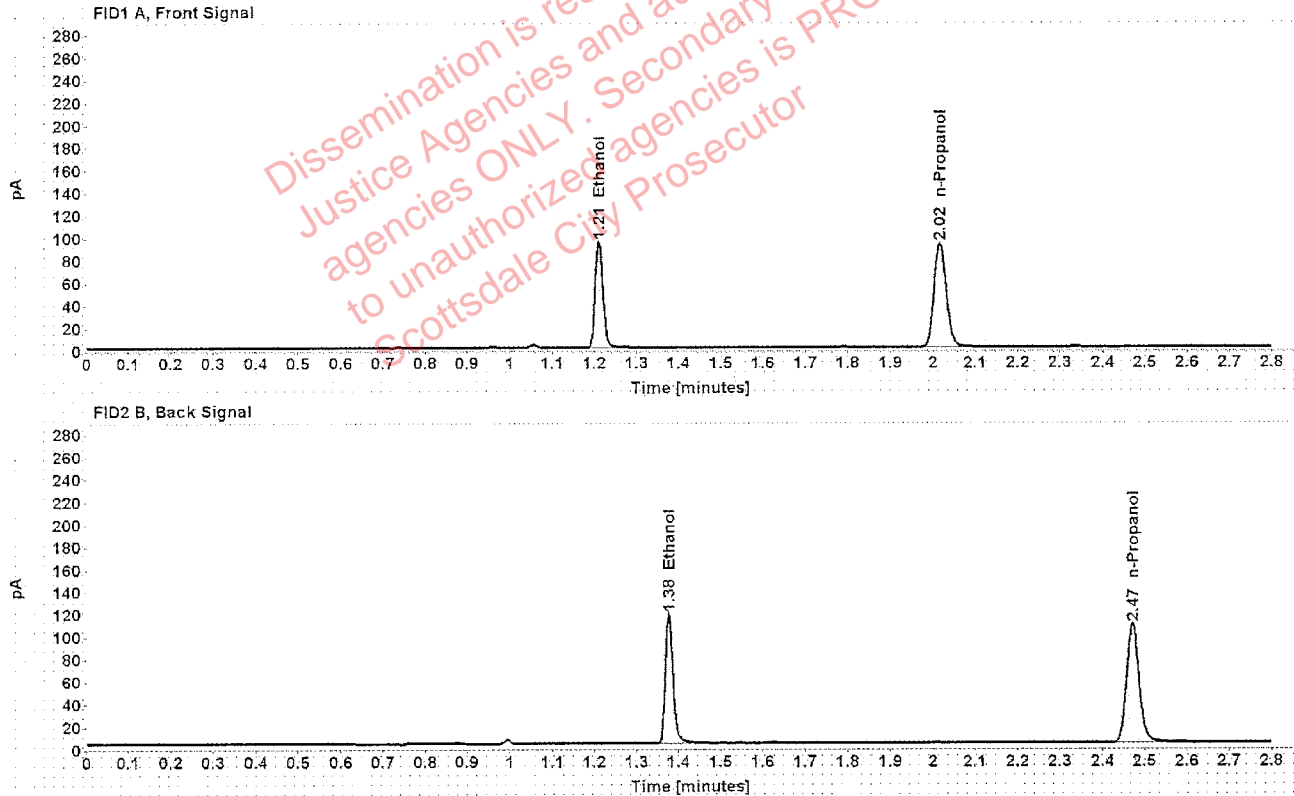


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1823	1.211	121.130
n-Propanol	-----	2.016	184.314

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	149.549
n-Propanol	2.471	219.755

Case: [REDACTED] User: pbrooke 12/2/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297307	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:01:04 PM
Data file:	C:\Chem32\1\Data\26Nov19\23.D	Analyst:	Brooke

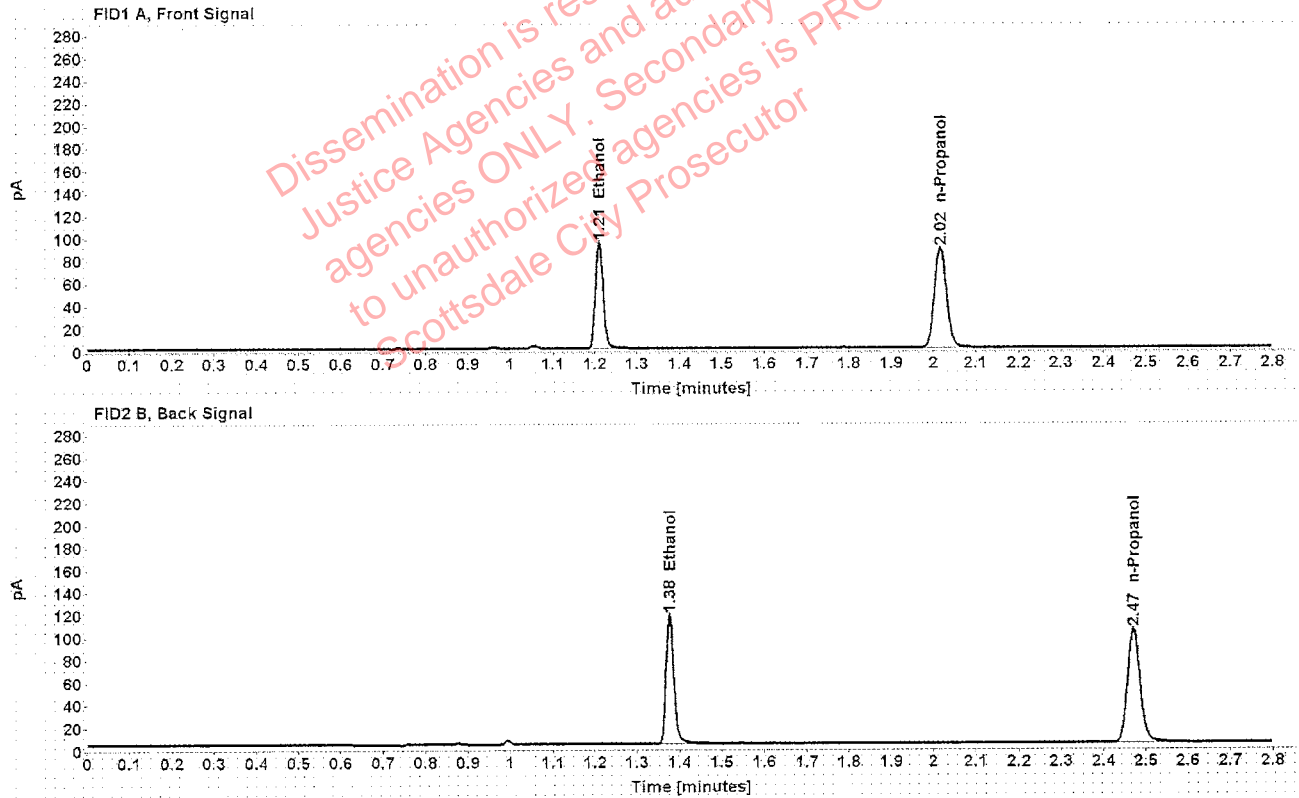


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1885	1.210	120.076
n-Propanol	-----	2.016	176.651

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	148.157
n-Propanol	2.470	211.228

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297307	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:05:04 PM
Data file:	C:\Chem32\1\Data\26Nov19\24.D	Analyst:	Brooke

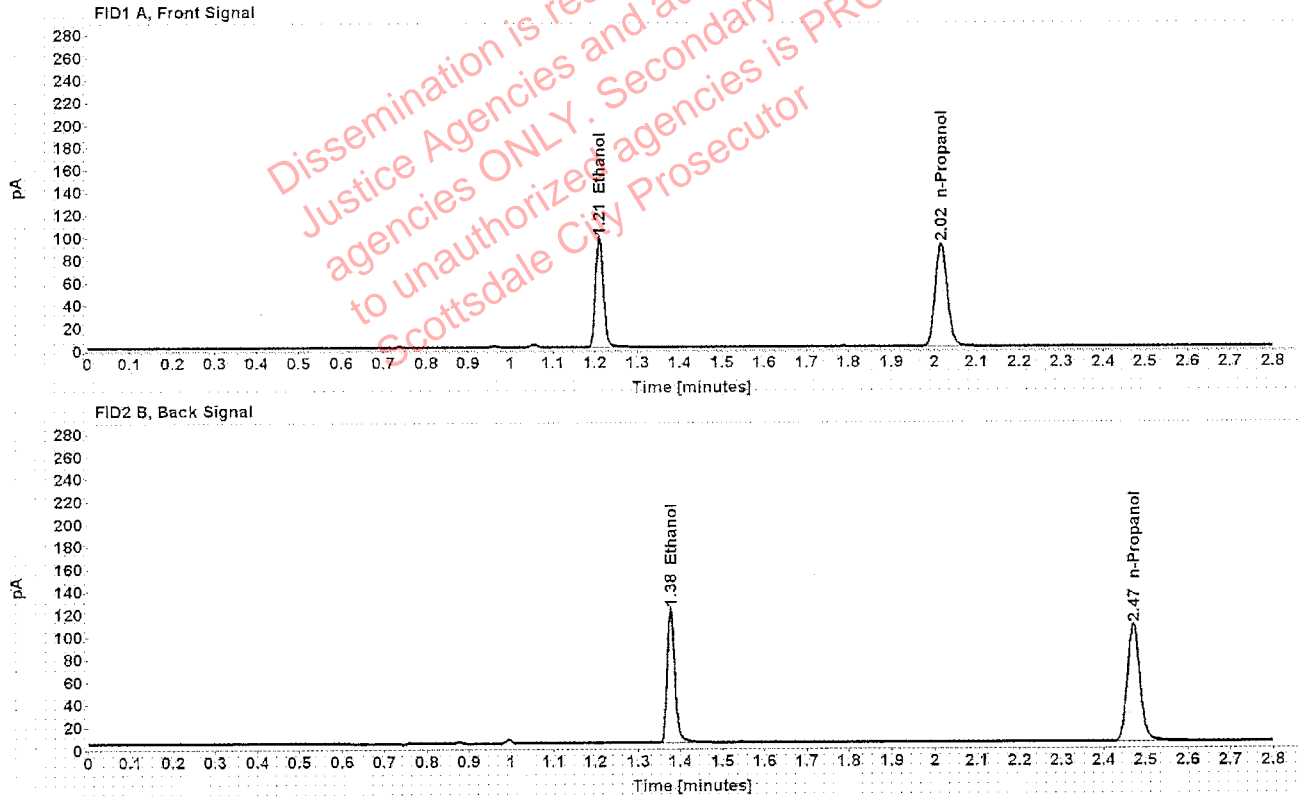


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1904	1.210	124.687
n-Propanol	-----	2.016	181.578

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	154.184
n-Propanol	2.471	217.468

Case: [REDACTED] User: pbrooke 12/2/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1254438	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:09:20 PM
Data file:	C:\Chem32\1\Data\26Nov19\25.D	Analyst:	Brooke

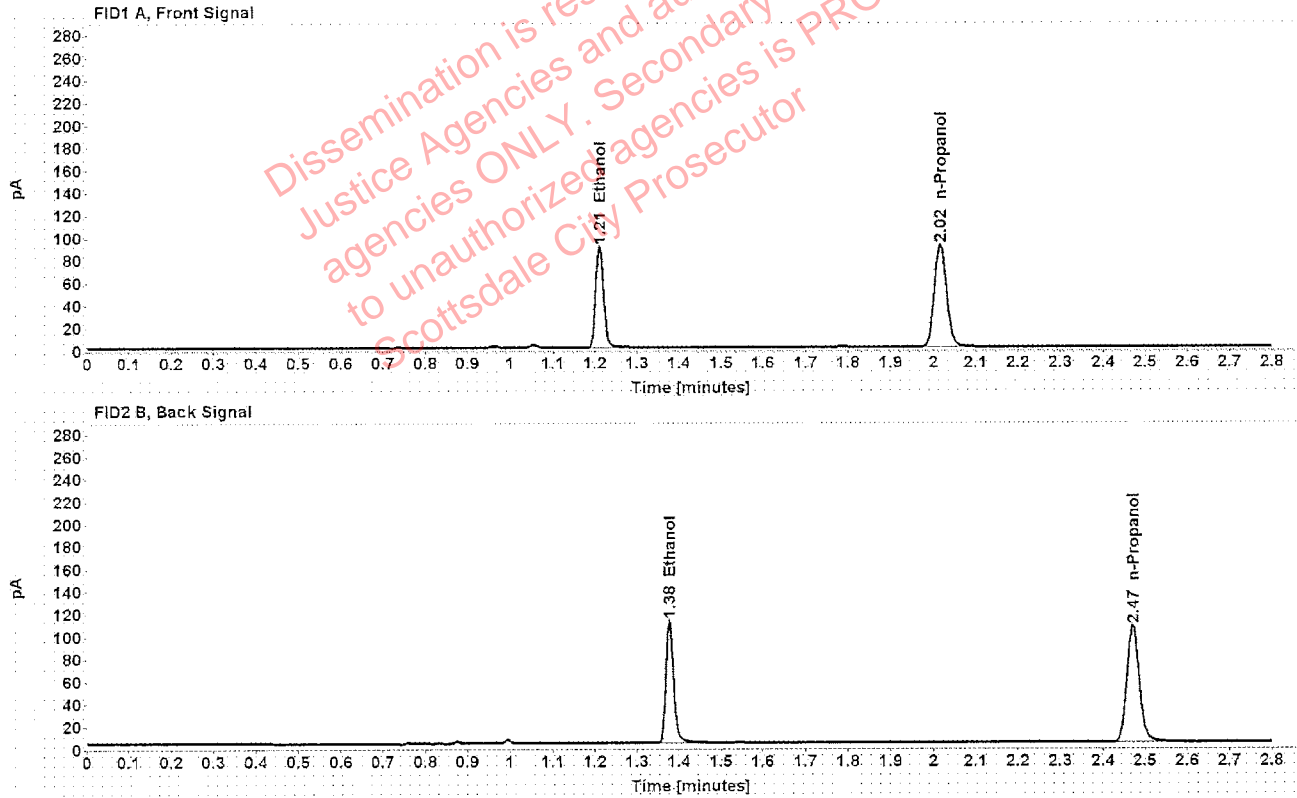


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1760	1.210	114.842
n-Propanol	-----	2.016	181.012

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	139.891
n-Propanol	2.471	215.801

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1254438	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:13:19 PM
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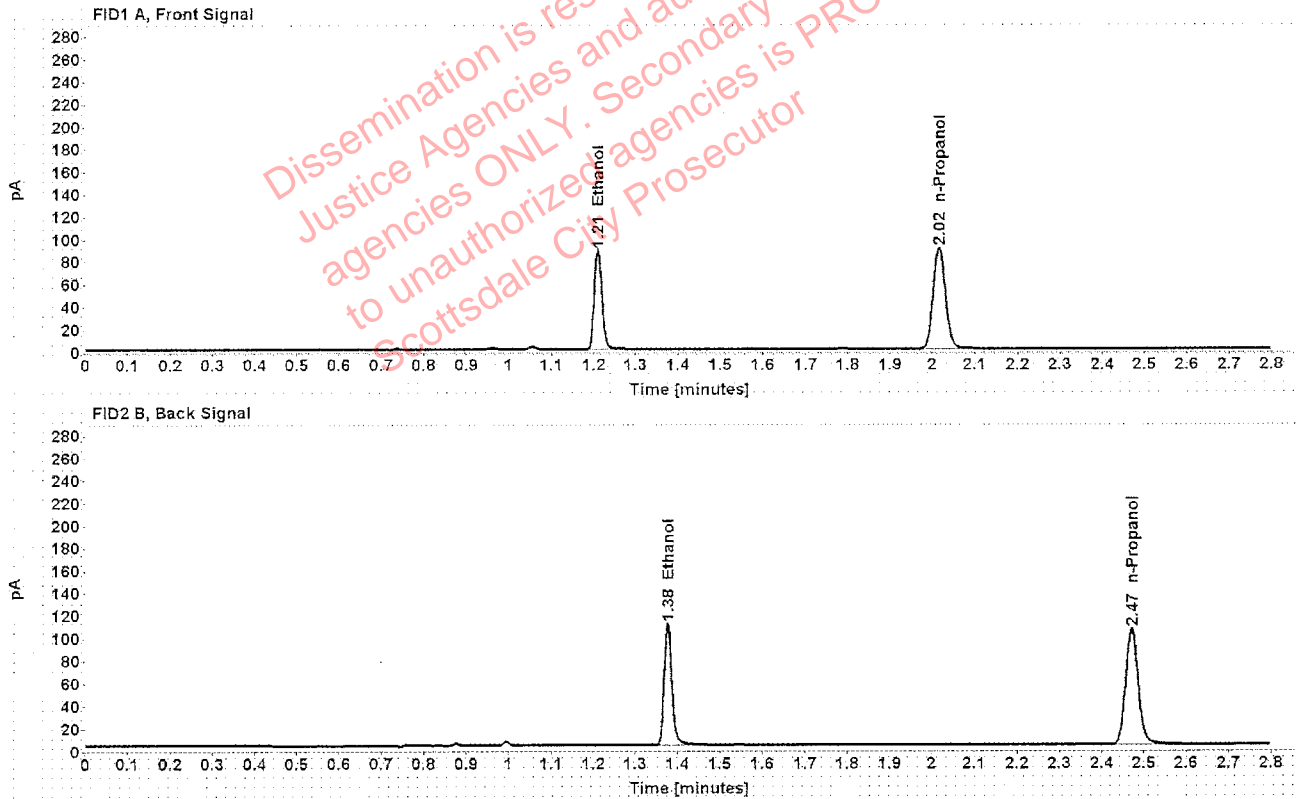


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1750	1.210	113.323
n-Propanol	-----	2.016	179.634

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	138.379
n-Propanol	2.471	214.081

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297518	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:17:20 PM
Data file:	C:\Chem32\11\Data\26Nov19\27.D	Analyst:	Brooke

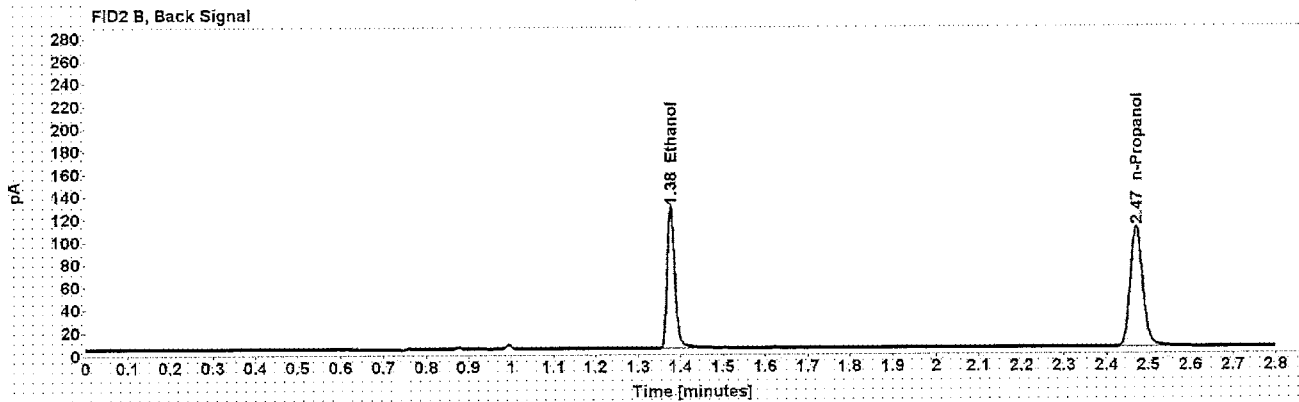
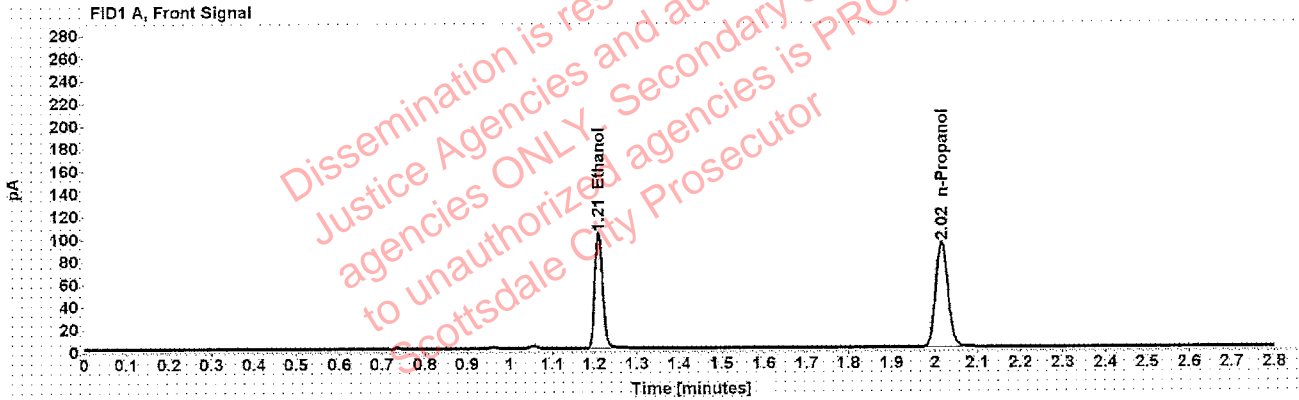


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1958	1.210	130.835
n-Propanol	-----	2.016	185.254

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	162.016
n-Propanol	2.471	222.153

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297518	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:21:20 PM
Data file:	C:\Chem32\1\Data\26Nov19\28.D	Analyst:	Brooke

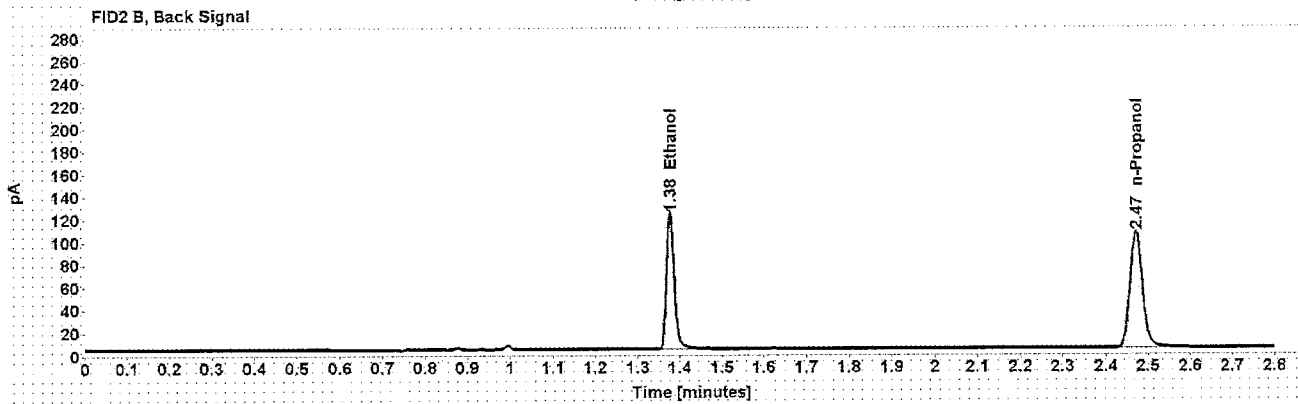
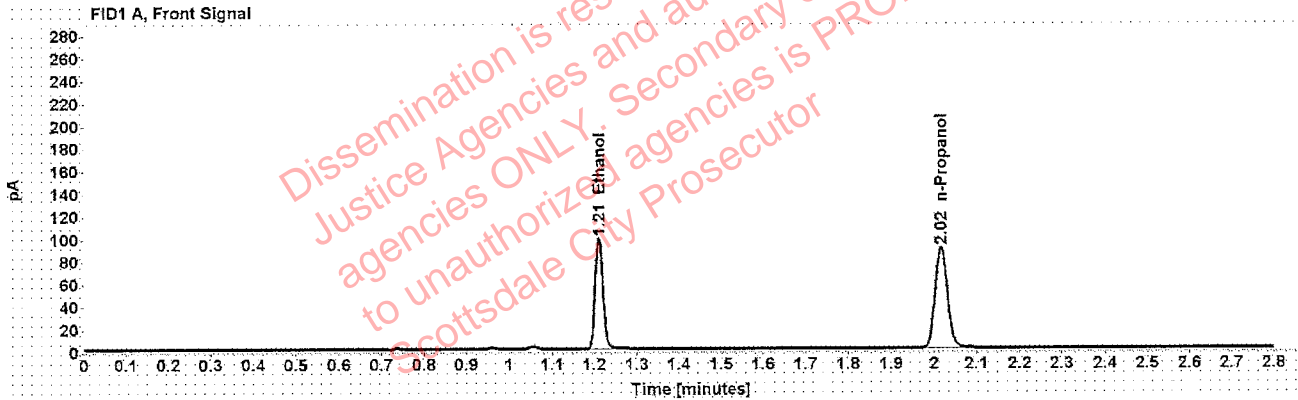


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1950	1.210	125.782
n-Propanol	-----	2.016	178.874

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	155.439
n-Propanol	2.471	213.999



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298275	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:25:20 PM
Data file:	C:\Chem32\1\Data\26Nov19\29.D	Analyst:	Brooke

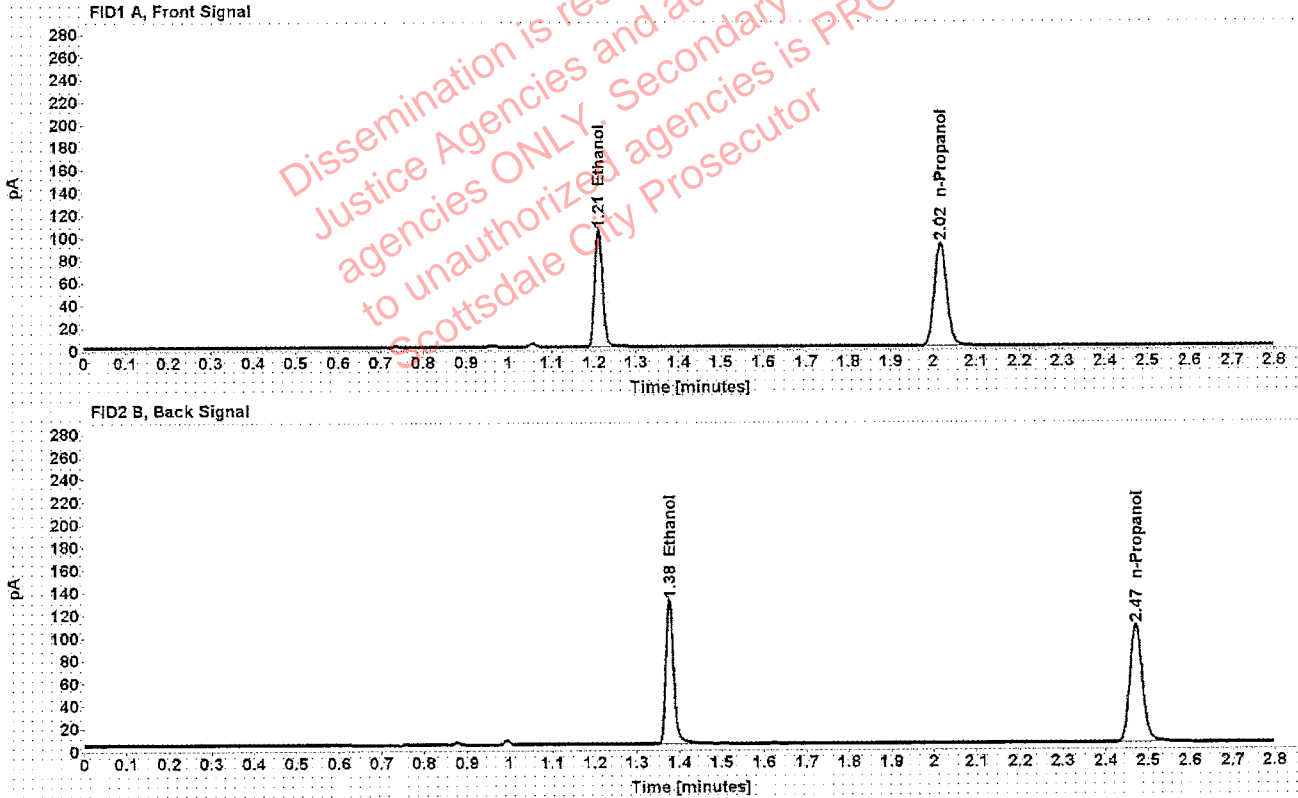


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.210	132.768
n-Propanol	-----	2.017	181.238

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	164.032
n-Propanol	2.471	215.289

Case: Brooke, Phillip - (02-Dec-2019)

User: pbrooke 12/2/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298275	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:29:20 PM
Data file:	C:\Chem321\Data\26Nov19\30.D	Analyst:	Brooke

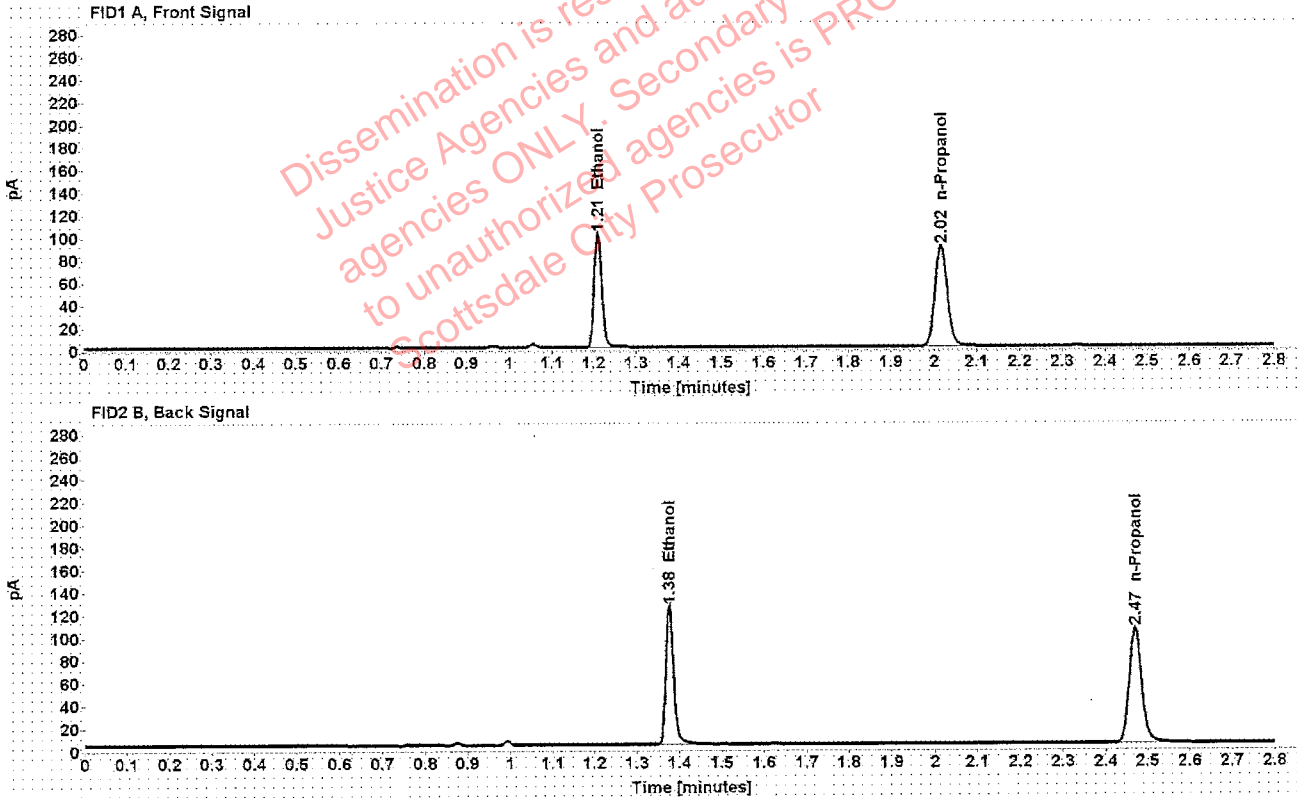


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2014	1.210	128.510
n-Propanol	-----	2.016	176.884

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.376	158.434
n-Propanol	2.470	210.774

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298380	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:37:34 PM
Data file:	C:\Chem32\1\Data\26Nov19\32.D	Analyst:	Brooke

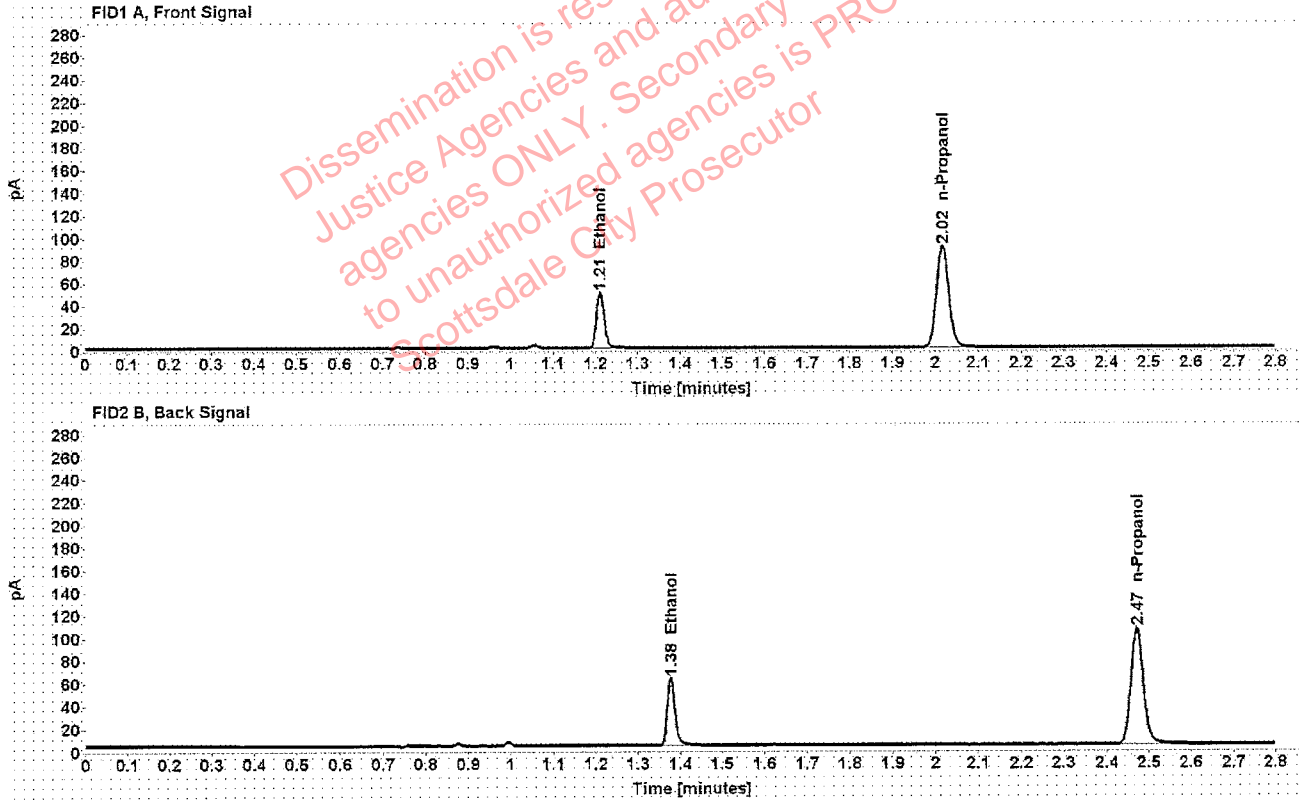


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0984	1.211	63.440
n-Propanol	-----	2.016	179.467

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	76.959
n-Propanol	2.471	214.087

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298380	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:41:34 PM
Data file:	C:\Chem32\1\Data\26Nov19\33.D	Analyst:	Brooke

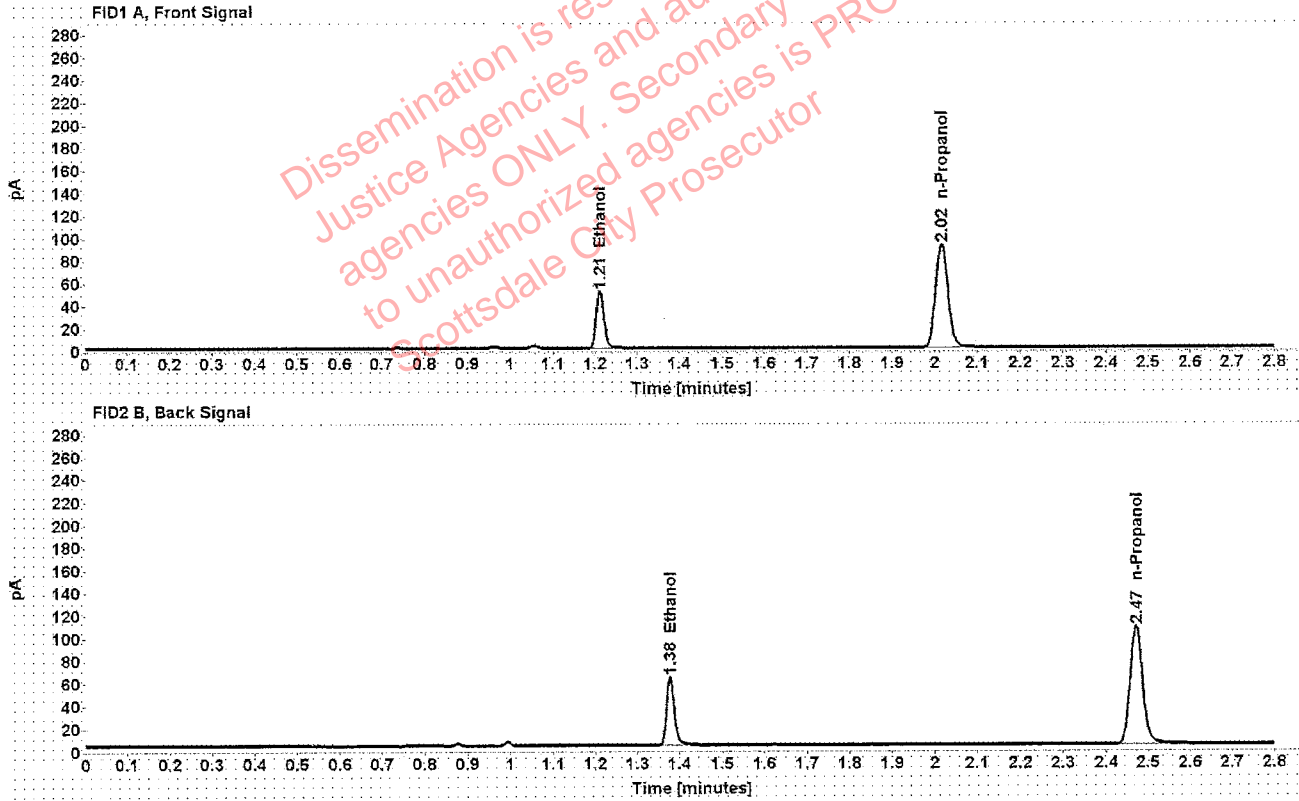


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0985	1.211	64.594
n-Propanol	-----	2.016	182.614

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	78.231
n-Propanol	2.471	218.643

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1297286	Vial: 34
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 26Nov19
Instrument: US14173023 CN14160045	Injection date: 11/26/2019 1:45:35 PM
Data file: C:\Chem32\1\Data\26Nov19\34.D	Analyst: Brooke

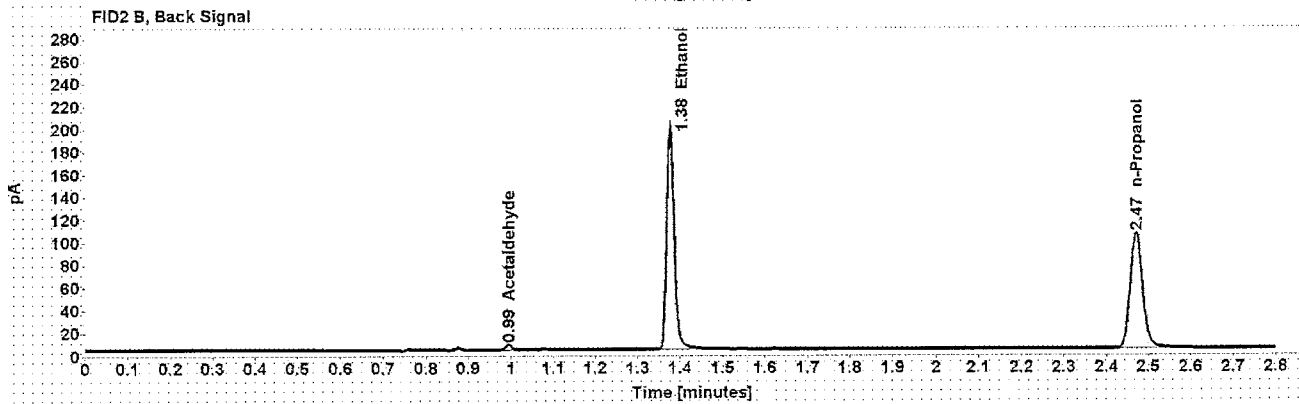
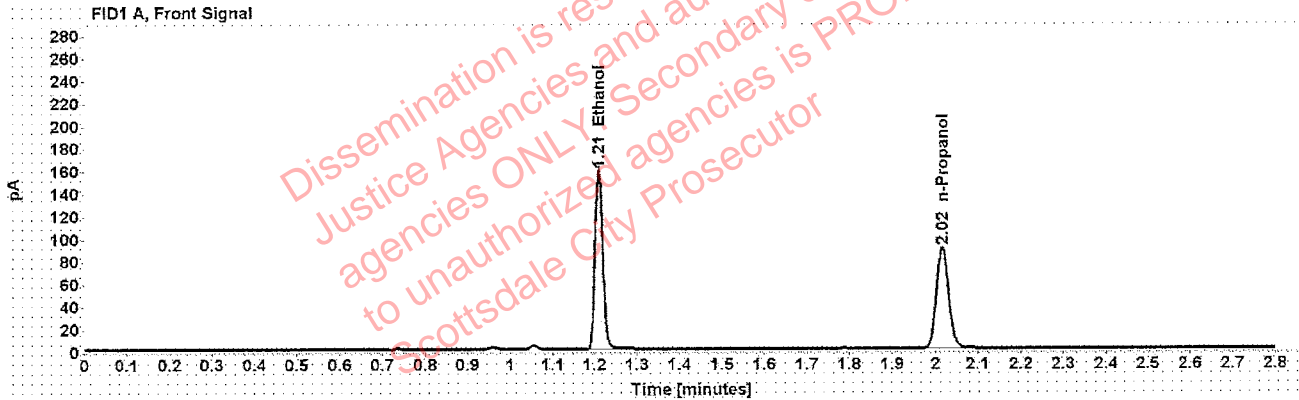


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3148	1.210	202.515
n-Propanol	-----	2.016	178.110

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.329
Ethanol	1.377	247.753
n-Propanol	2.471	212.698

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297286	Vial:	35
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:49:34 PM
Data file:	C:\Chem32\1\Data\26Nov19\35.D	Analyst:	Brooke

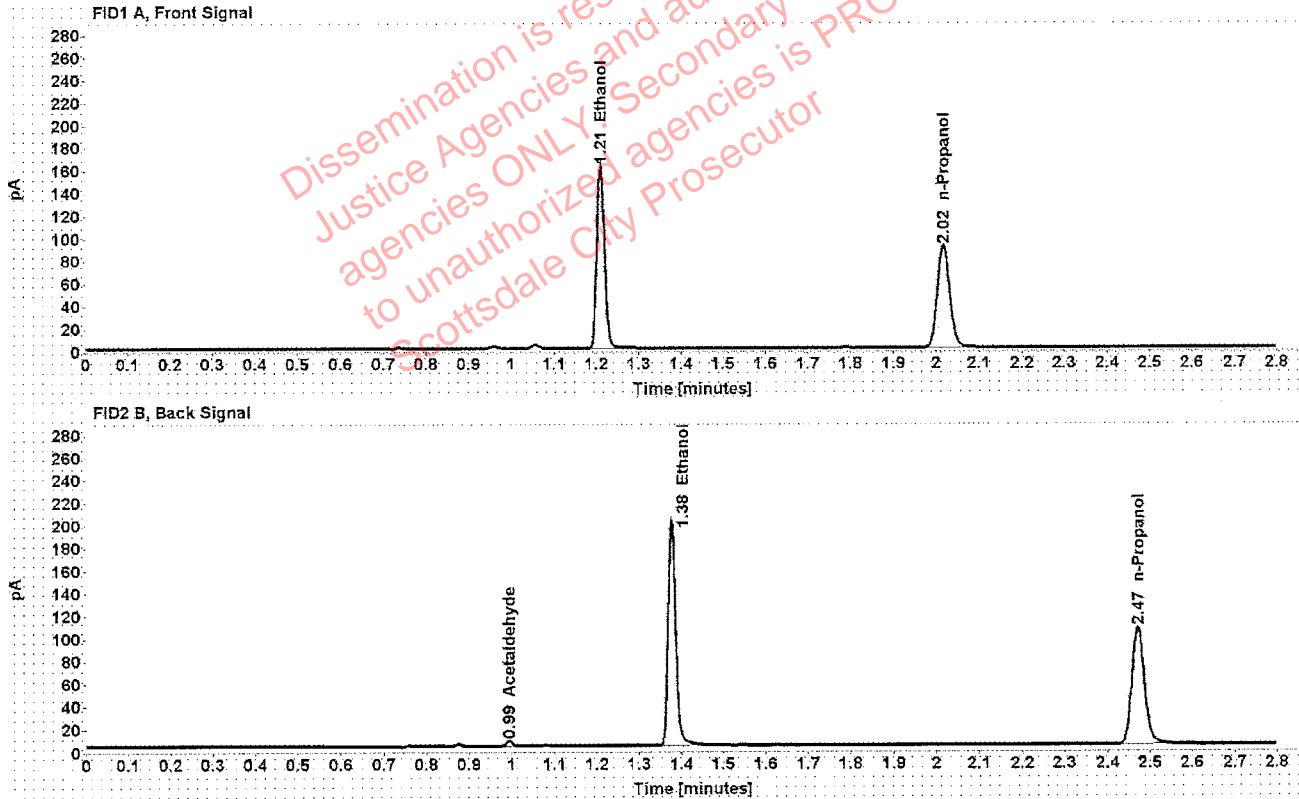


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3158	1.210	205.707
n-Propanol	-----	2.016	180.324

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.401
Ethanol	1.377	252.214
n-Propanol	2.471	214.410

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297241	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:53:34 PM
Data file:	C:\Chem3211\Data\26Nov19\36.D	Analyst:	Brooke

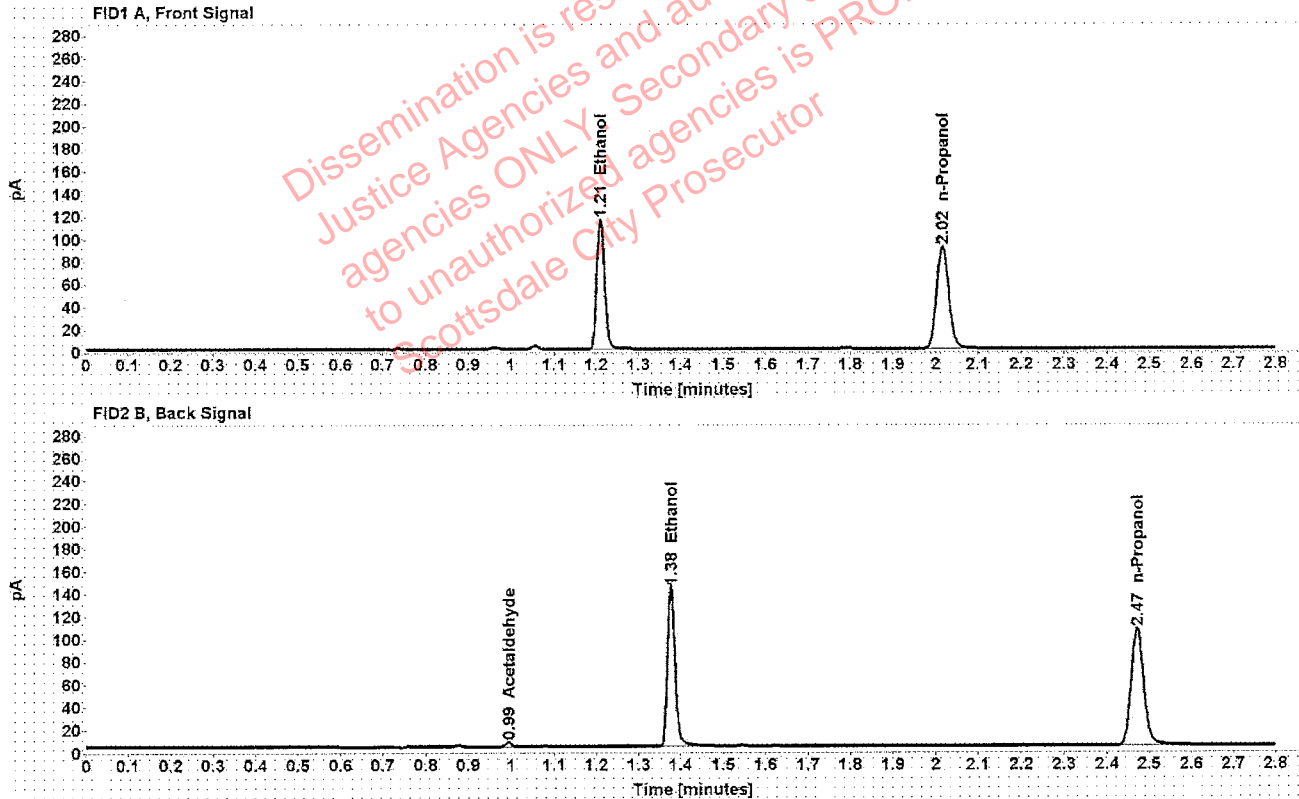


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2264	1.210	147.536
n-Propanol	-----	2.016	180.552

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.926
Ethanol	1.377	180.211
n-Propanol	2.471	216.405

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1297241	Vial:	37
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	26Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/26/2019 1:57:49 PM
Data file:	C:\Chem32\1\Data\26Nov19\37.D	Analyst:	Brooke

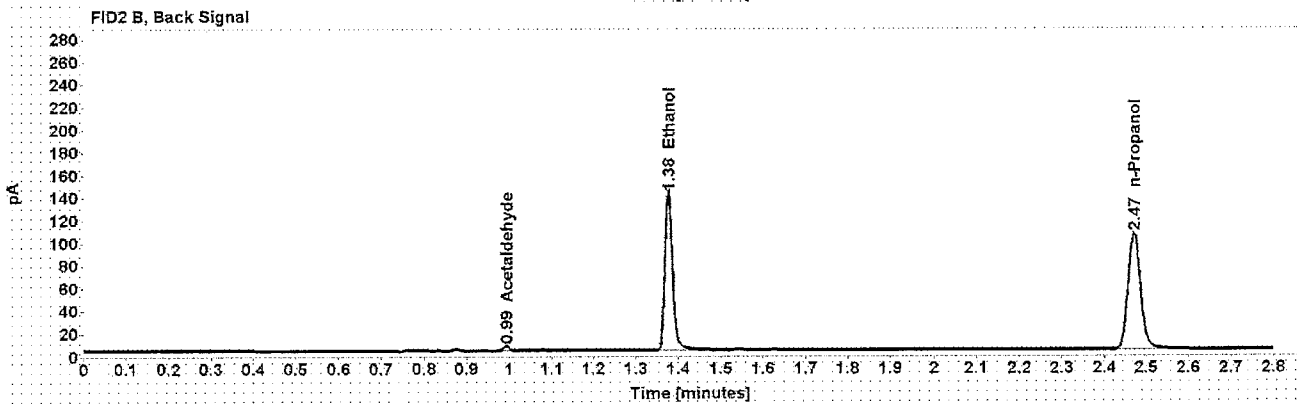
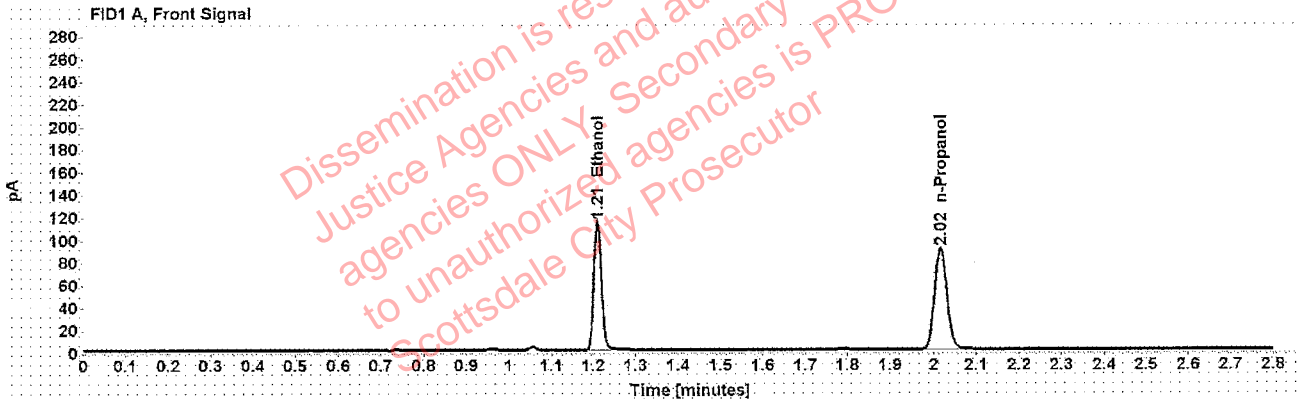


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2253	1.210	145.974
n-Propanol	-----	2.016	179.576

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.851
Ethanol	1.376	178.113
n-Propanol	2.470	214.694