

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 5/12/20 SEQUENCE NAME 12May20

### 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 0.99999  
 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 040720AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.405 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.082 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.150 g/dL	0.153 g/dL	Lipomed 14082019-C
42	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.042 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.202 g/dL	ACQ 407041529/13
45	Blank	Not detected	Not detected	SPD lab 040919WB

### SUBJECT SAMPLES

Subjects in the sequence 11 Subjects requiring reanalysis 11

**ADDITIONAL NOTES:** A discontinued 0.150 control was accidentally used in the run. The batch was reanalyzed.

Run valid   
 Run invalid

  
 Analyst

Run valid   
 Run invalid

Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

13

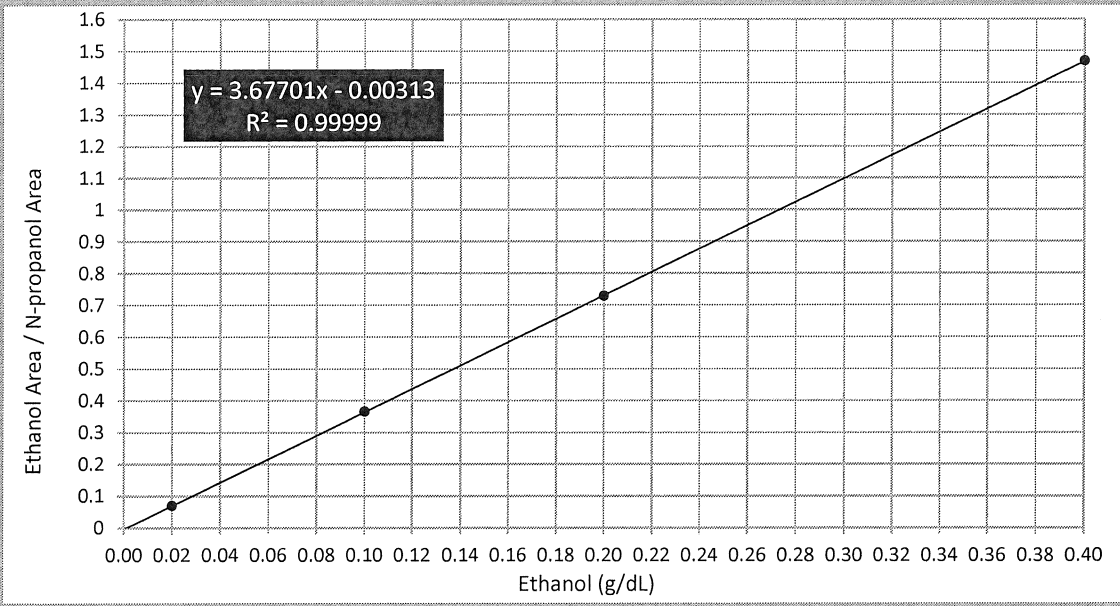
SEQUENCE NAME: 12May20

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 040720AQ	5	negative	negative	-	-
0.400 Lipomed 11092018-A	7	0.405	0.400	1.25	0.005
0.040 Lipomed 14082019-B	8	0.040	0.040	0.00	0.000
0.198 ACQ 407041529/13	9	0.199	0.198	0.51	0.001
0.080 Lipomed 03102016-A/1	20	0.082	0.080	2.50	0.002
0.150 Lipomed 14082019-C	31	0.153	0.150	2.00	0.003
0.400 Lipomed 11092018-A	42	0.400	0.400	0.00	0.000
0.040 Lipomed 14082019-B	43	0.042	0.040	5.00	0.002
0.198 ACQ 407041529/13	44	0.202	0.198	2.02	0.004
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.753	166.628	0.071
0.100	60.753	165.790	0.366
0.200	122.490	167.974	0.729
0.400	244.150	166.233	1.469

### Calibration Line



VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03241604	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 12May20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 5/12/2020 12:15:40 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>RB</i>
<b>Data file:</b> C:\Chem32\1\Data\12May20\1.D	

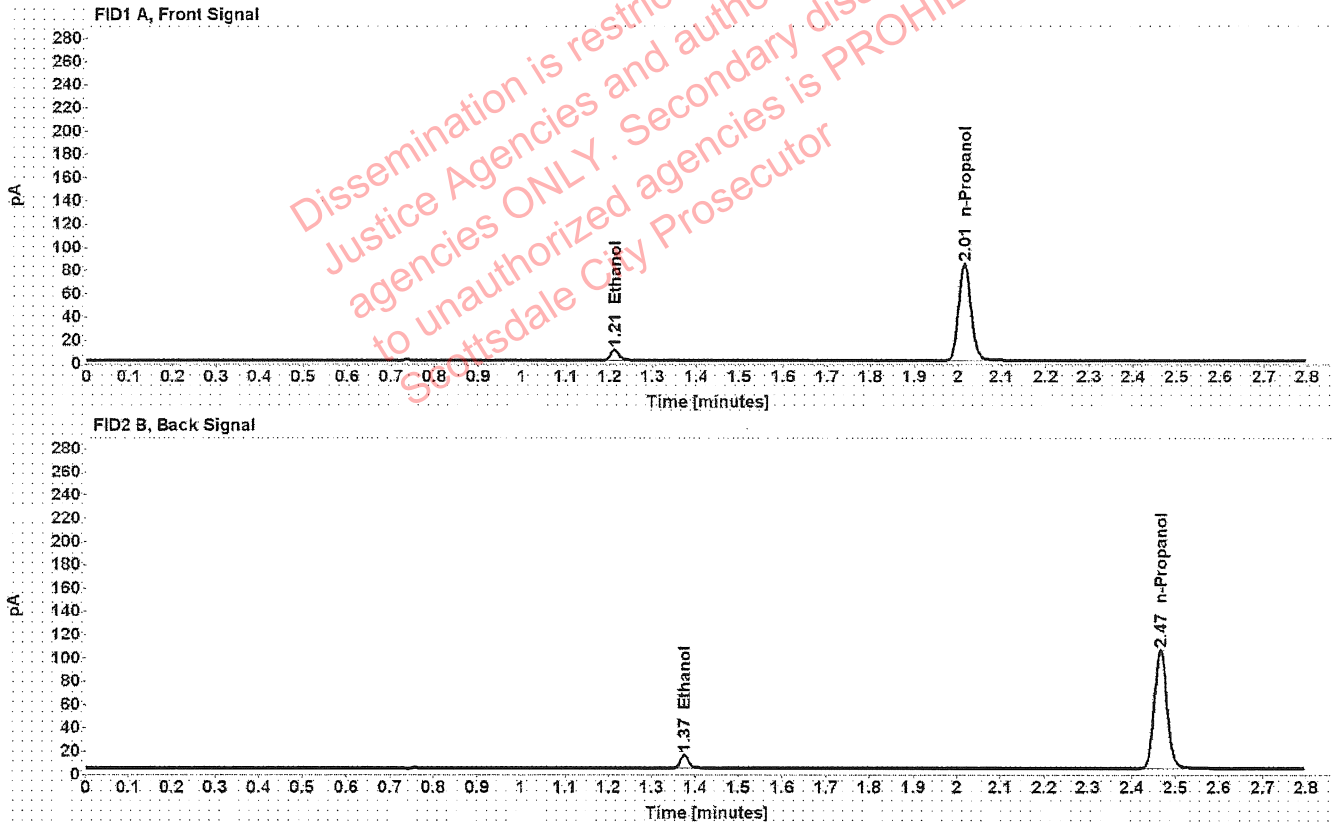


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.753
n-Propanol	2.014	166.628

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.614
n-Propanol	2.466	206.651

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 12May20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 5/12/2020 12:19:40 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>AB</i>
<b>Data file:</b> C:\Chem32\1\Data\12May20\2.D	

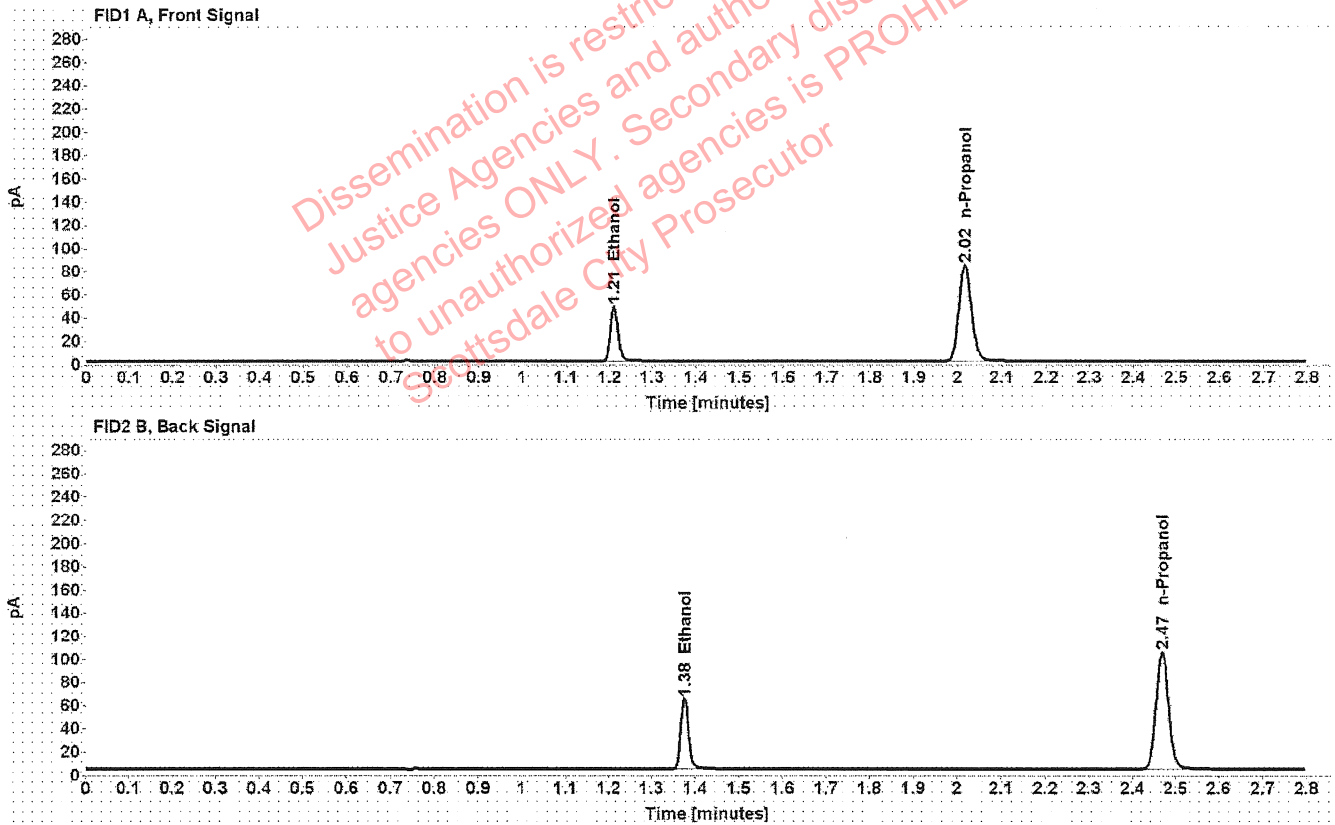


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	60.753
n-Propanol	2.016	165.790

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

Compound	Time (min)	Peak Area
Ethanol	1.376	75.737
n-Propanol	2.468	205.349

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 12May20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 5/12/2020 12:23:40 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>RB</i>
<b>Data file:</b> C:\Chem32\1\Data\12May20\3.D	

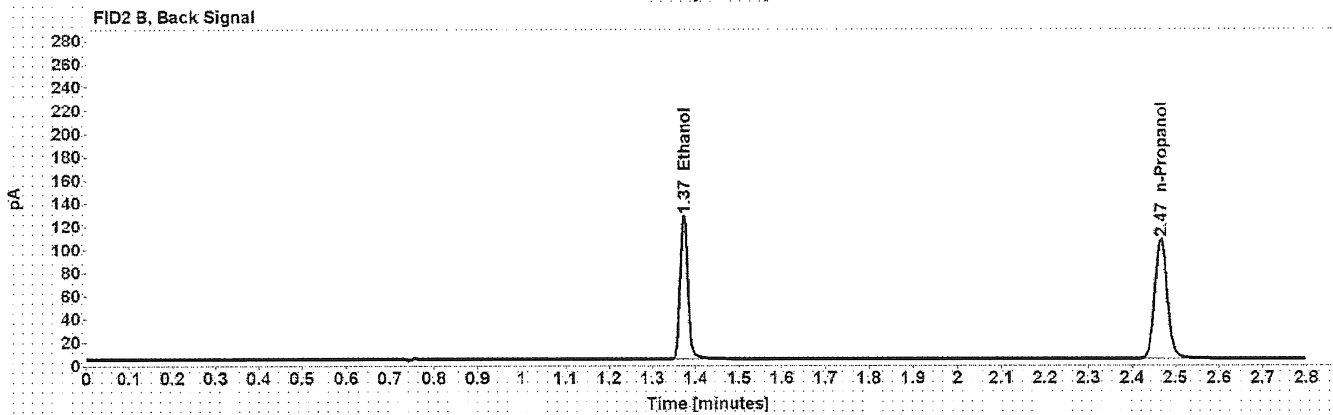
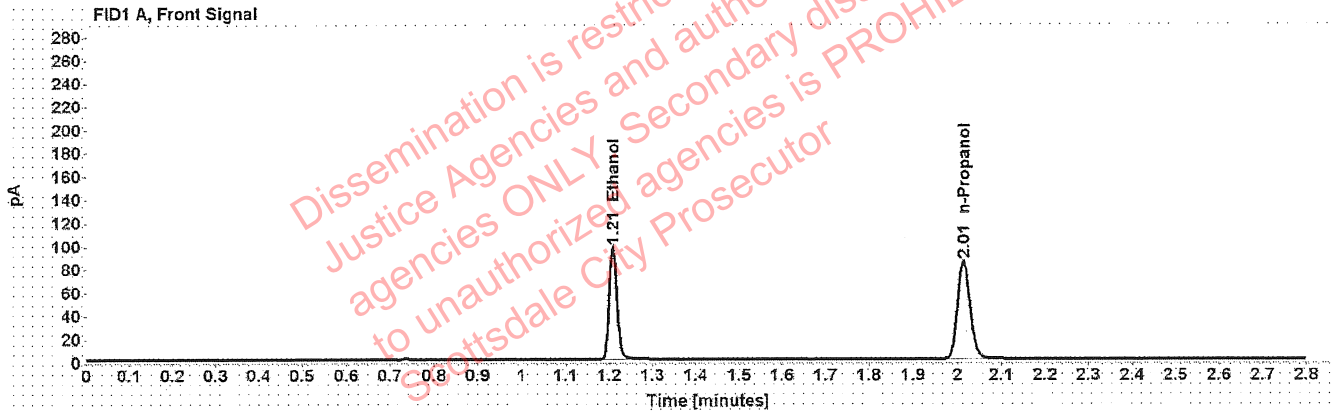


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	122.490
n-Propanol	2.014	167.974

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

Compound	Time (min)	Peak Area
Ethanol	1.372	153.083
n-Propanol	2.466	208.525

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 12May20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 5/12/2020 12:27:40 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <span style="float: right;">113</span>
<b>Data file:</b> C:\Chem32\1\Data\12May20\4.D	

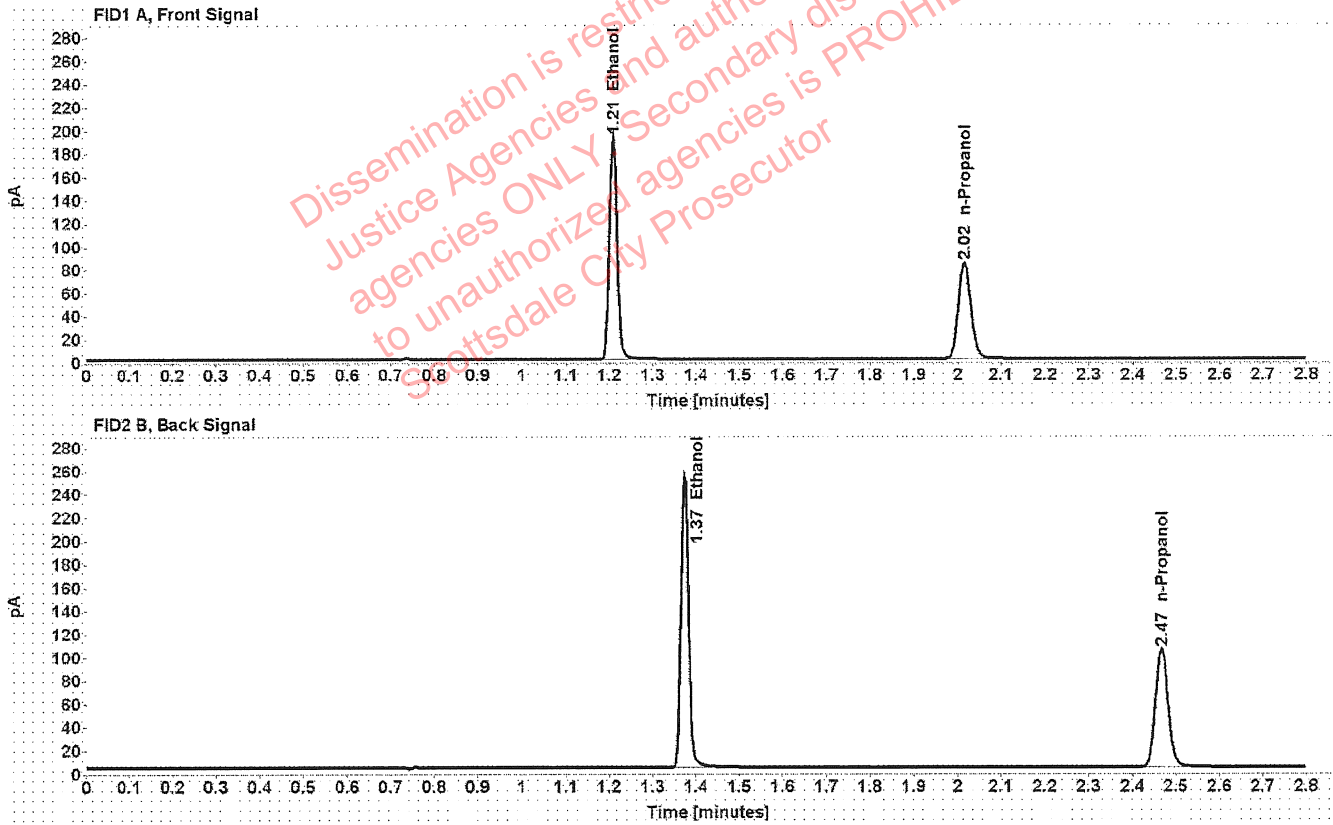


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	244.150
n-Propanol	2.015	166.233

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

Compound	Time (min)	Peak Area
Ethanol	1.374	305.855
n-Propanol	2.467	206.308

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040720AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 12May20
Instrument: US14173023 CN14160045	Injection date: 5/12/2020 12:31:40 PM
Data file: C:\Chem32\1\Data\12May20\5.D	Analyst: Brooke <i>MB</i>

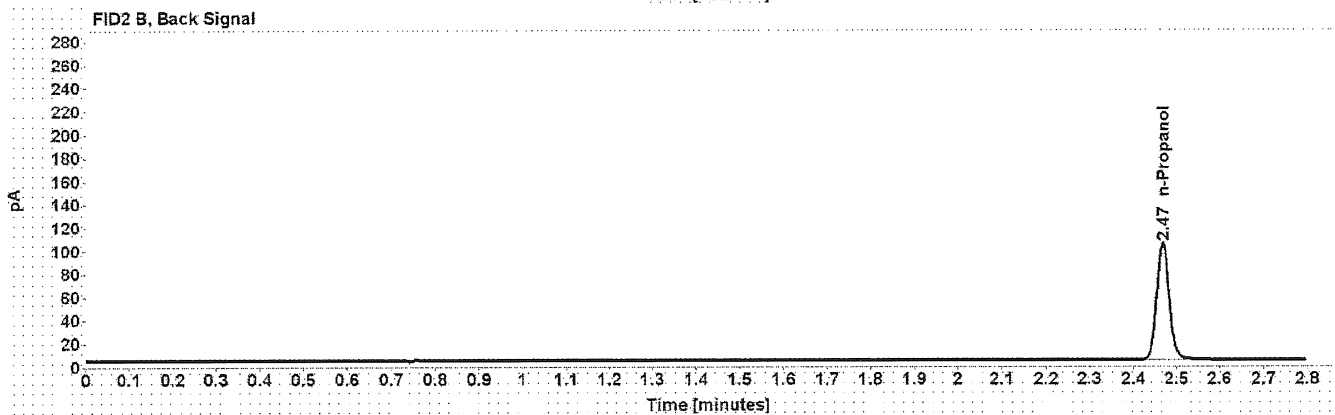


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	165.192

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	204.173

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 070819MIX	<b>Vial:</b> 6
<b>Description:</b> Volatiles mix	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12May20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 5/12/2020 12:35:40 PM
<b>Data file:</b> C:\Chem32\1\Data\12May20\6.D	<b>Analyst:</b> Brooke <i>YS</i>

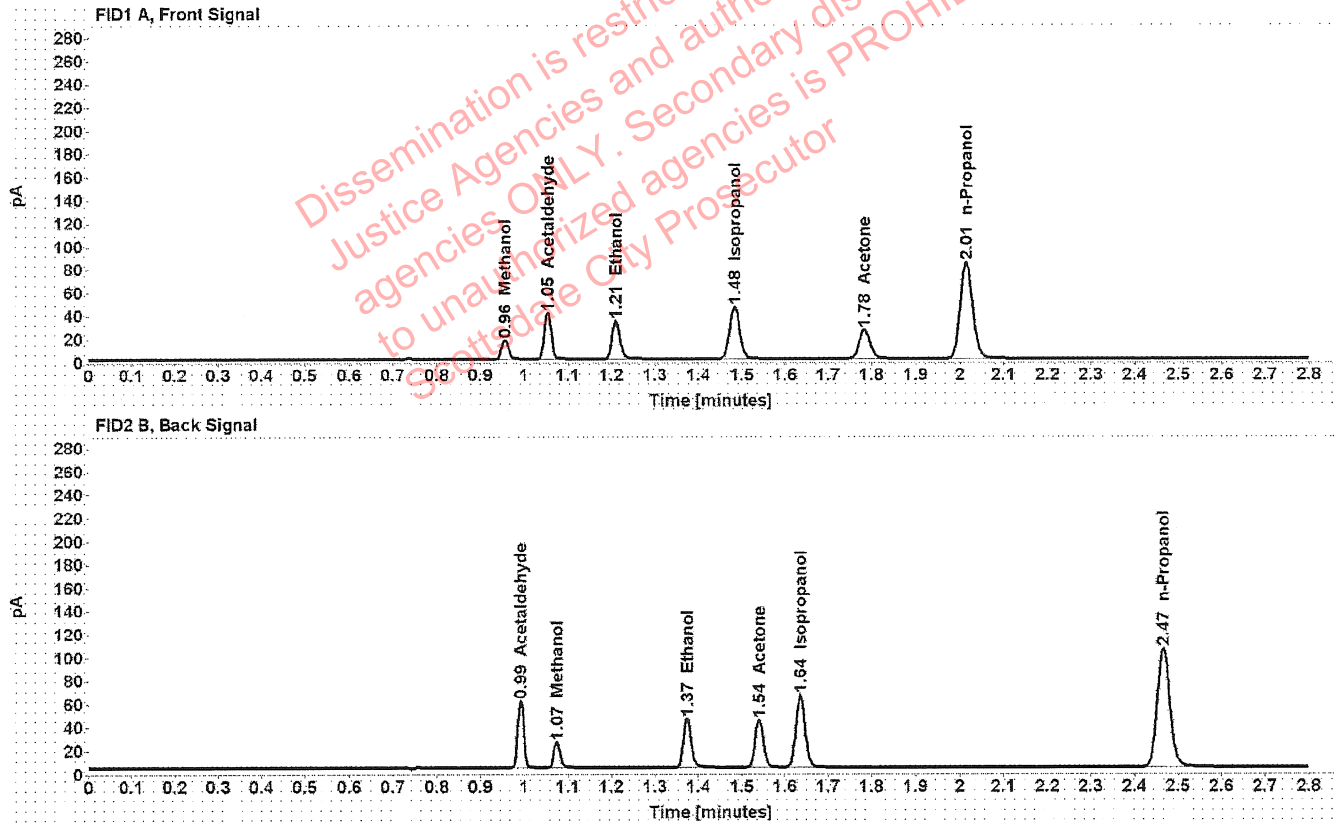


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.612
Acetaldehyde	-----	1.054	44.050
>Ethanol	0.0698	1.210	42.260
Isopropanol	-----	1.483	72.854
Acetone	-----	1.783	43.444
n-Propanol	-----	2.015	166.811

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	57.139
Methanol	1.075	23.753
Ethanol	1.374	52.515
Acetone	1.540	54.183
Isopropanol	1.635	93.949
n-Propanol	2.466	206.763

VOID



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 7
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12May20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 5/12/2020 12:39:55 PM
<b>Data file:</b> C:\Chem32\1\Data\12May20\7.D	<b>Analyst:</b> Brooke <i>RB</i>

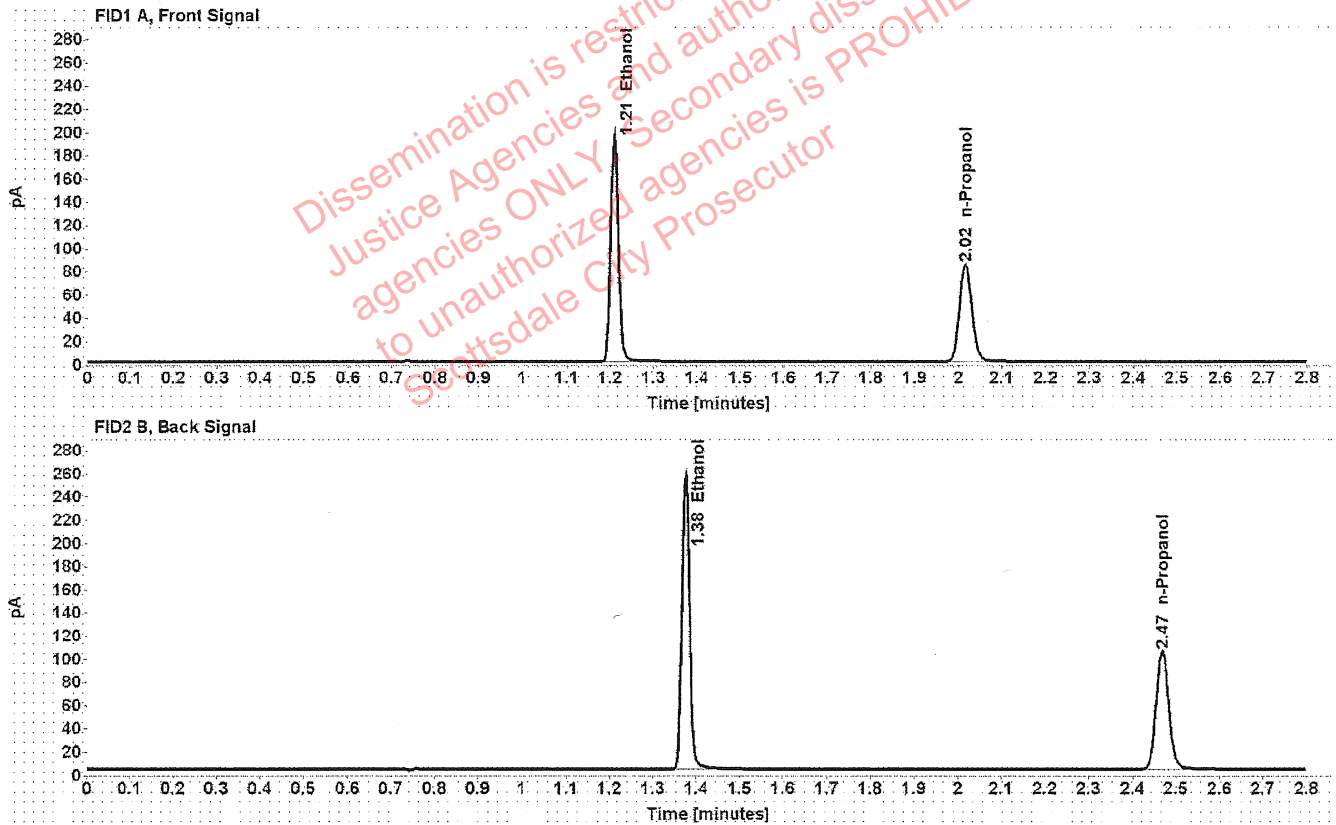


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4058	1.210	249.343
n-Propanol	-----	2.016	167.459

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

Compound	Time (min)	Peak Area
Ethanol	1.375	312.168
n-Propanol	2.469	207.389

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 12May20
Instrument: US14173023 CN14160045	Injection date: 5/12/2020 12:43:55 PM
Data file: C:\Chem32\1\Data\12May20\8.D	Analyst: Brooke RB

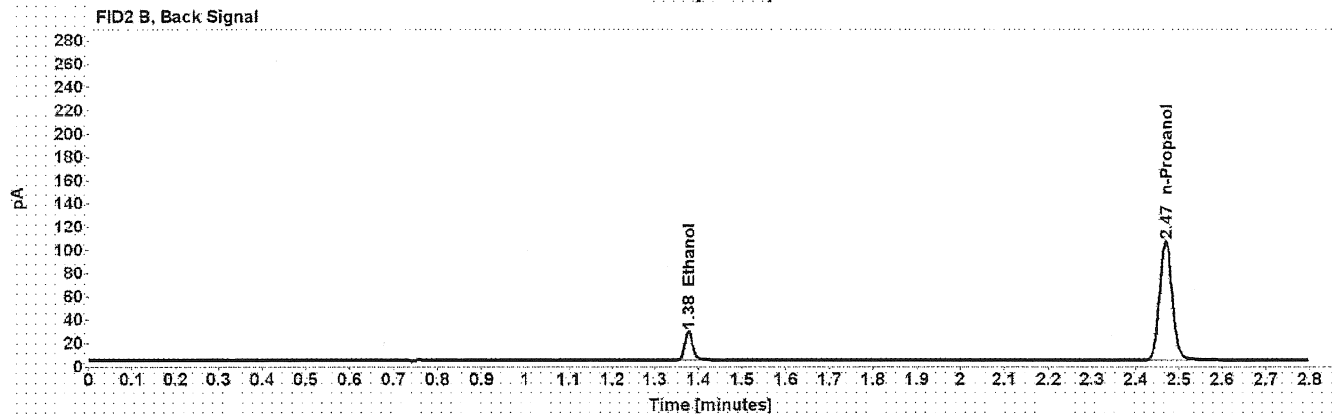
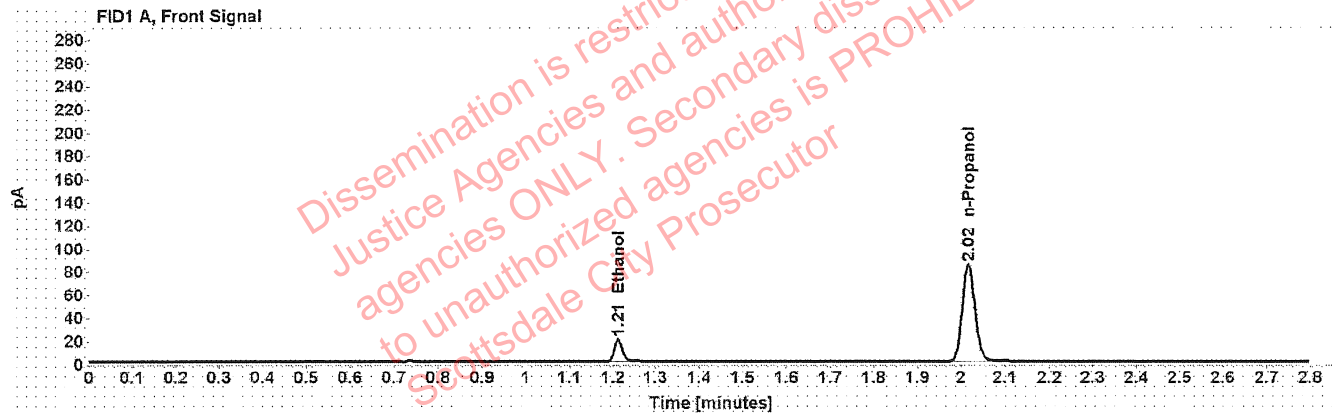


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.212	24.761
n-Propanol	-----	2.016	168.276

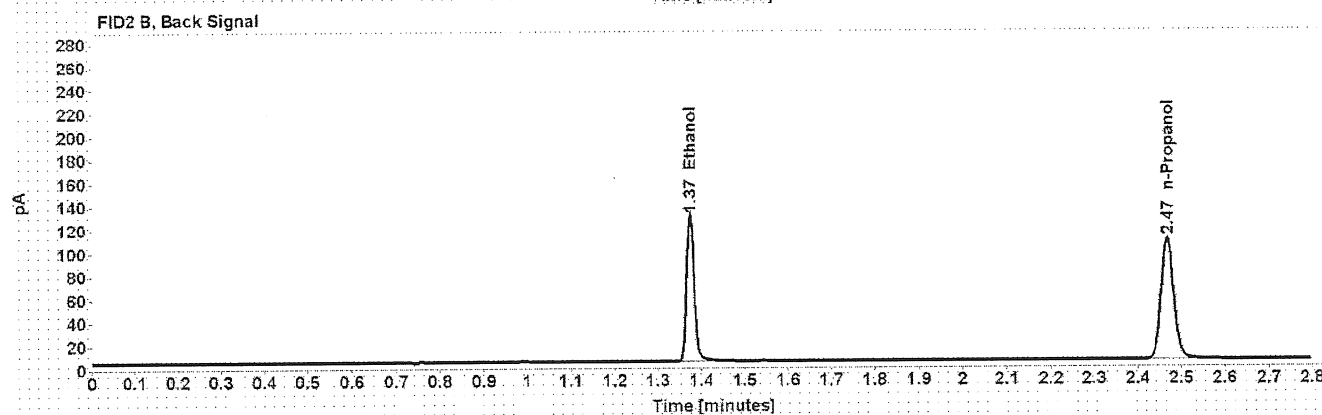
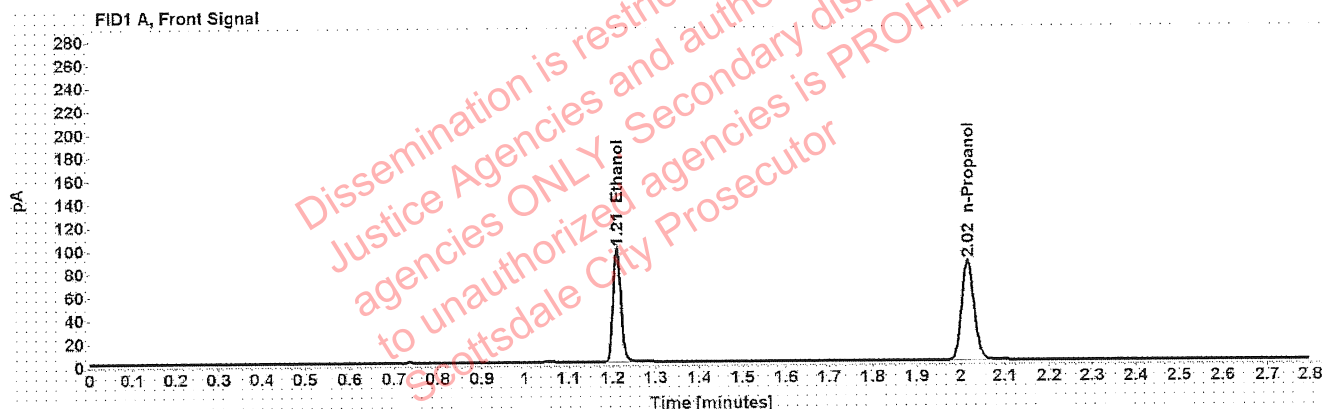
Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.377	30.620
n-Propanol	2.469	207.891

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 12May20
Instrument: US14173023 CN14160045	Injection date: 5/12/2020 12:47:55 PM
Data file: C:\Chem32\1\Data\12May20\9.D	Analyst: Brooke <i>RB</i>



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

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1992	1.210	125.066
n-Propanol	-----	2.016	171.521

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

Compound	Time (min)	Peak Area
Ethanol	1.375	156.142
n-Propanol	2.468	212.327

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 03102016-A/1	<b>Vial:</b> 20
<b>Description:</b> 0.080	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12May20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 5/12/2020 1:32:25 PM
<b>Data file:</b> C:\Chem32\1\Data\12May20\20.D	<b>Analyst:</b> Brooke RB

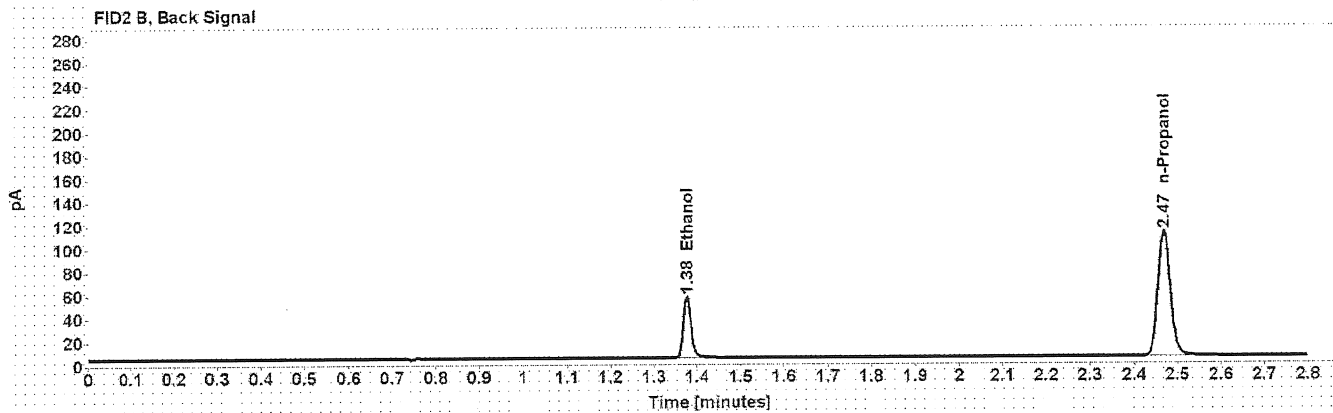
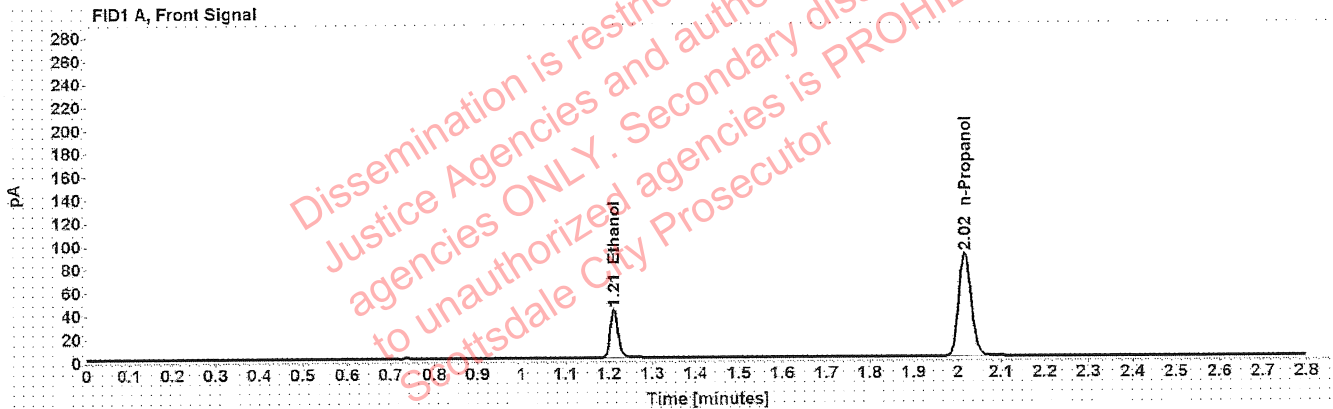


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0821	1.211	52.993
n-Propanol	-----	2.016	177.429

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

Compound	Time (min)	Peak Area
Ethanol	1.376	65.808
n-Propanol	2.469	218.733

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-C	<b>Vial:</b> 31
<b>Description:</b> 0.150	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12May20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 5/12/2020 2:16:56 PM
<b>Data file:</b> C:\Chem32\1\Data\12May20\31.D	<b>Analyst:</b> Brooke <sup>43</sup> 73

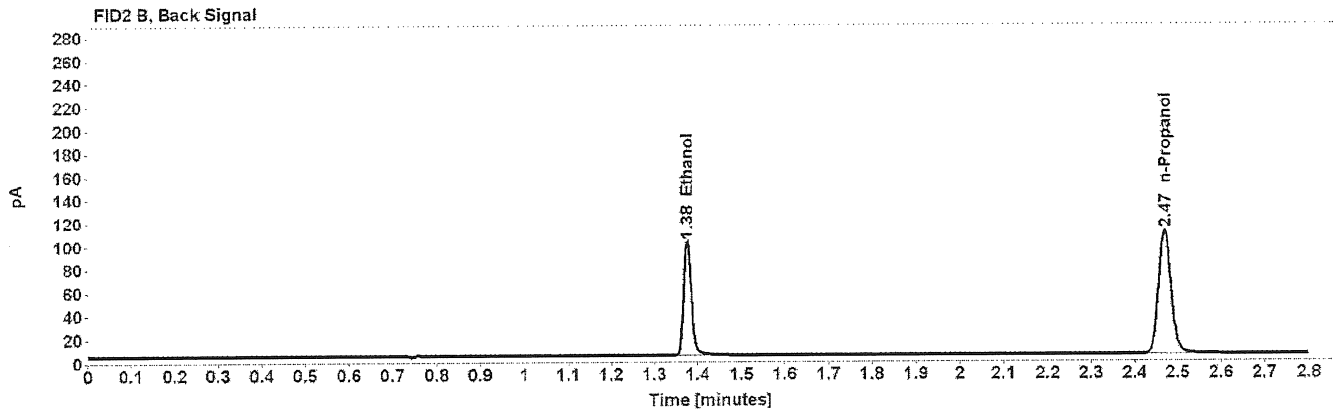
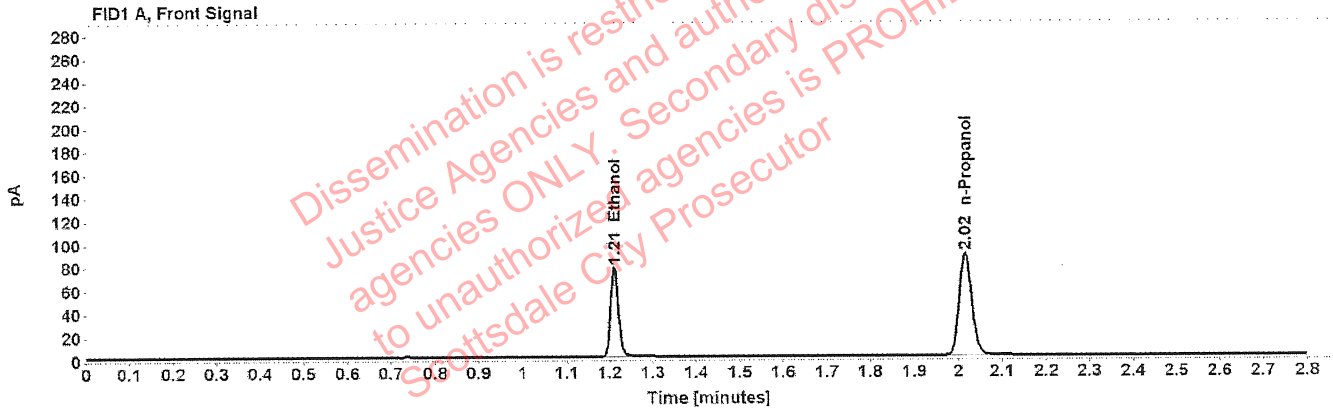


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1537	1.211	98.838
n-Propanol	-----	2.016	175.863

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

Compound	Time (min)	Peak Area
Ethanol	1.376	122.394
n-Propanol	2.469	216.594

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 11092018-A	<b>Vial:</b> 42
<b>Description:</b> 0.400	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12May20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 5/12/2020 3:01:10 PM
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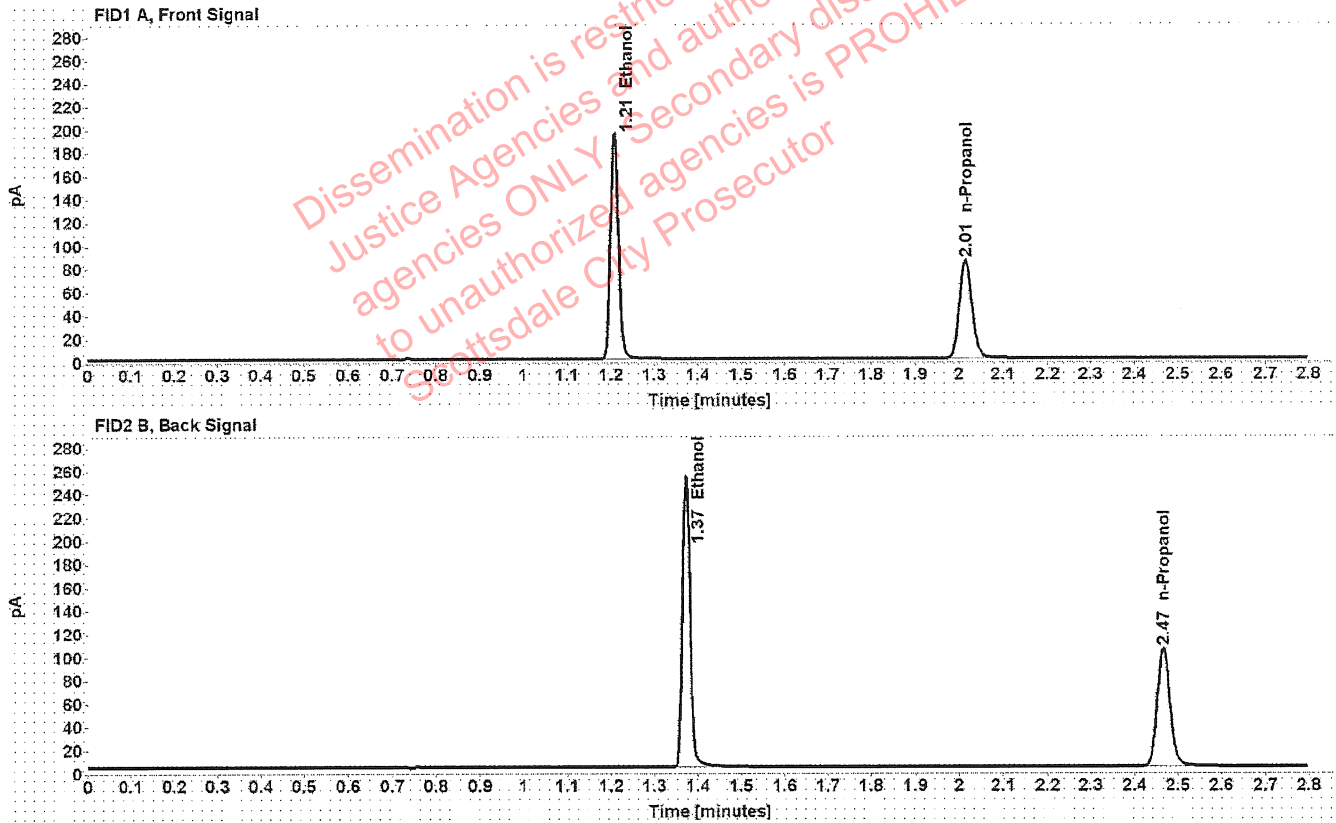


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4006	1.208	247.436
n-Propanol	-----	2.015	168.318

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

Compound	Time (min)	Peak Area
Ethanol	1.372	309.160
n-Propanol	2.466	207.699

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 12May20
Instrument: US14173023 CN14160045	Injection date: 5/12/2020 3:05:25 PM
Data file: C:\Chem32\1\Data\12May20\43.D	Analyst: Brooke

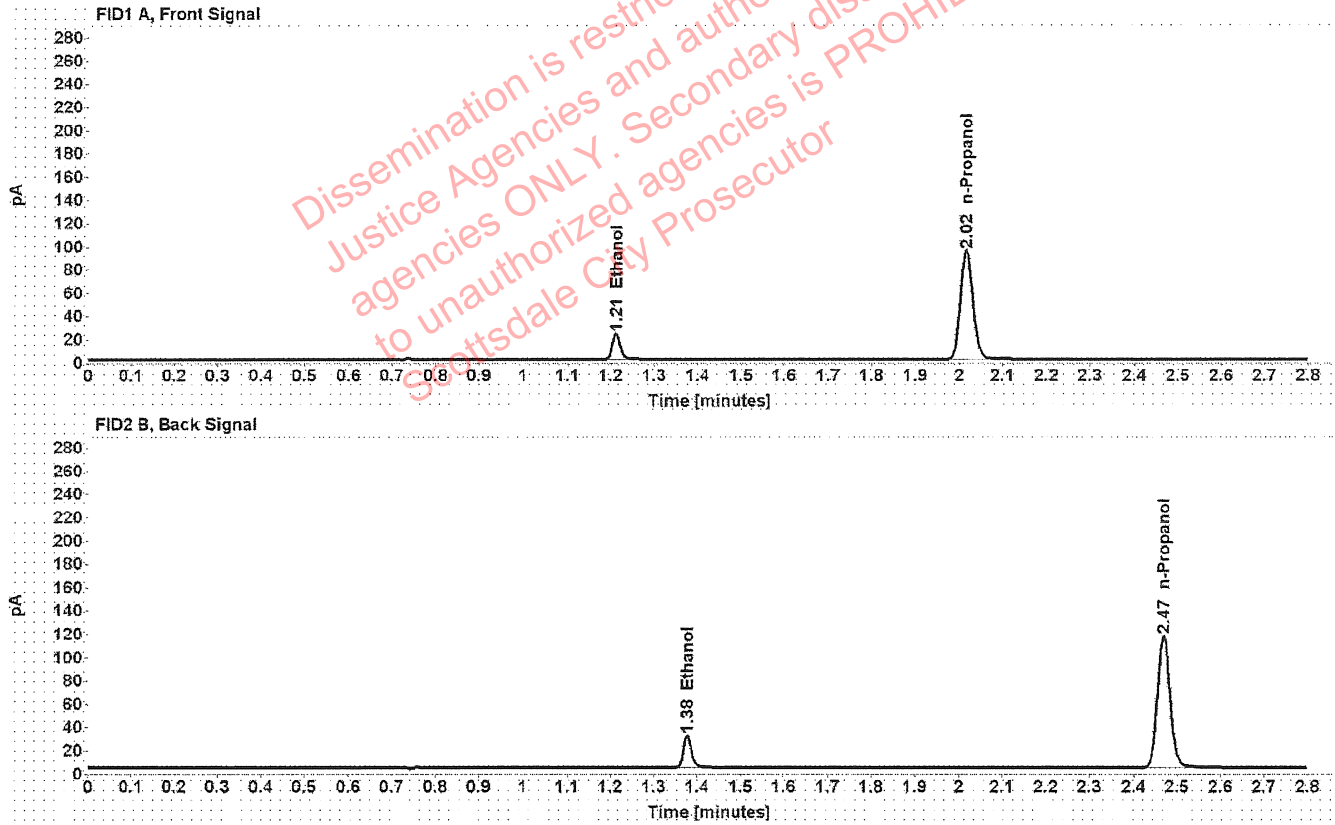


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0420	1.212	28.361
n-Propanol	-----	2.016	187.367

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

Compound	Time (min)	Peak Area
Ethanol	1.377	35.008
n-Propanol	2.469	230.670

VOID

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 44
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12May20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 5/12/2020 3:09:26 PM
<b>Data file:</b> C:\Chem32\1\Data\12May20\44.D	<b>Analyst:</b> Brooke <i>mg</i>

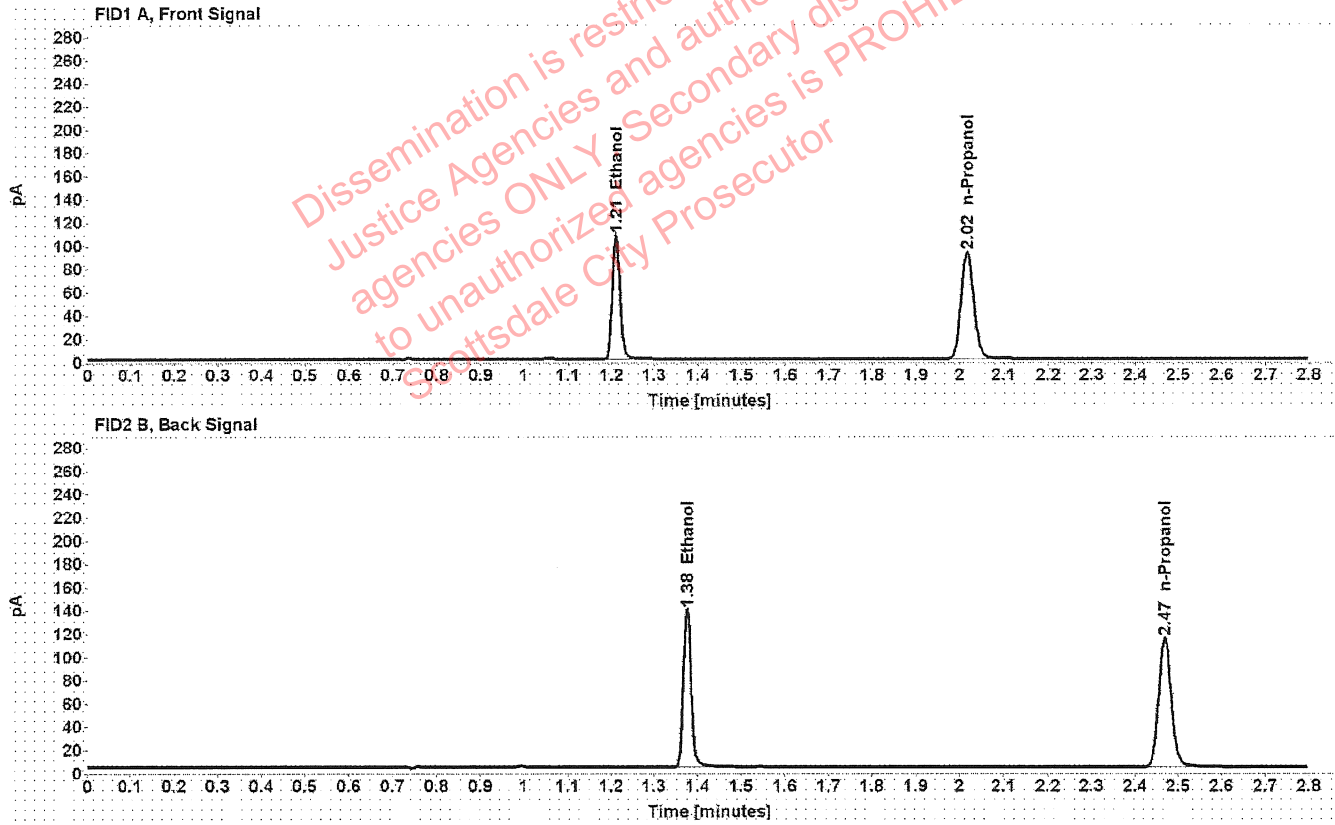


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2026	1.210	136.193
n-Propanol	-----	2.016	183.602

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

Compound	Time (min)	Peak Area
Ethanol	1.376	169.849
n-Propanol	2.469	226.264

VOID



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 040919WB	<b>Vial:</b> 45
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 12May20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 5/12/2020 3:13:25 PM
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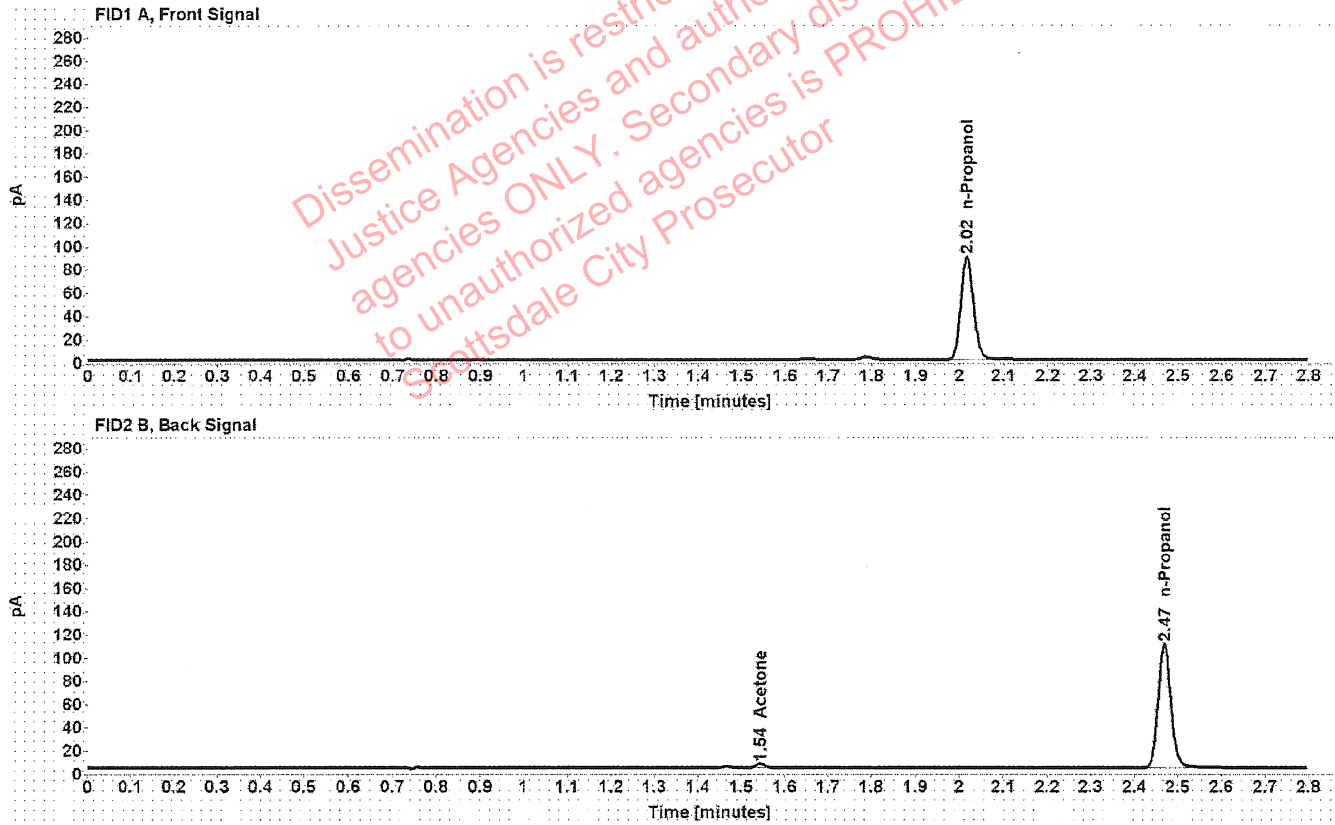


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	176.807

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

Compound	Time (min)	Peak Area
Acetone	1.544	4.353
n-Propanol	2.469	217.466

VOID

# Sequence Summary

Sequence name: 12May20      Instrument: US14173023 CN14160045      Analyst: Brooke *BS*

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	040720AQ	Negative	Control		ethanol quant.M
6	070819MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1315932		Sample		ethanol quant.M
11	1315932		Sample		ethanol quant.M
12	VIAL297		Sample		ethanol quant.M
13	VIAL297		Sample		ethanol quant.M
14	VIAL225		Sample		ethanol quant.M
15	VIAL225		Sample		ethanol quant.M
16	VIAL197		Sample		ethanol quant.M
17	VIAL197		Sample		ethanol quant.M
18	VIAL147		Sample		ethanol quant.M
19	VIAL147		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1319510		Sample		ethanol quant.M
22	1319510		Sample		ethanol quant.M
23	1311460		Sample		ethanol quant.M
24	1311460		Sample		ethanol quant.M
25	1319520		Sample		ethanol quant.M
26	1319520		Sample		ethanol quant.M
27	1320240		Sample		ethanol quant.M
28	1320240		Sample		ethanol quant.M
29	1320312		Sample		ethanol quant.M
30	1320312		Sample		ethanol quant.M
31	14082019-C	0.150	Control		ethanol quant.M
32	1320310		Sample		ethanol quant.M
33	1320310		Sample		ethanol quant.M
34	32601EW		Sample		ethanol quant.M
35	32601EW		Sample		ethanol quant.M
36	28801JU		Sample		ethanol quant.M
37	28801JU		Sample		ethanol quant.M
38	1314408		Sample		ethanol quant.M
39	1314408		Sample		ethanol quant.M
40	1318822		Sample		ethanol quant.M
41	1318822		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

FB

SEQUENCE NAME: 12May20

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1464	0.1457	0.14605	0.24	0.00035
12 13	0.3076	0.3097	0.30865	0.34	0.00105
14 15	0.1542	0.1530	0.15360	0.39	0.00060
16 17	0.1235	0.1223	0.12290	0.49	0.00060
18 19	0.0428	0.0424	0.04260	0.47	0.00020
21 22	0.2291	0.2279	0.22850	0.26	0.00060
23 24	0.1097	0.1101	0.10990	0.18	0.00020
25 26	0.2320	0.2317	0.23185	0.06	0.00015
27 28	0.0358	0.0355	0.03565	0.42	0.00015
29 30	0.2404	0.2407	0.24055	0.06	0.00015
32 33	0.0635	0.0625	0.06300	0.79	0.00050
34 35	0.2026	0.2039	0.20325	0.32	0.00065
36 37	0.2154	0.2145	0.21495	0.21	0.00045
38 39	0.2579	0.2574	0.25765	0.10	0.00025
40 41	0.2354	0.2354	0.23540	0.00	0.00000

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

VOID



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315932	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 12:51:55 PM
Data file:	C:\Chem32\1\Data\12May20\10.D	Analyst:	Brooke

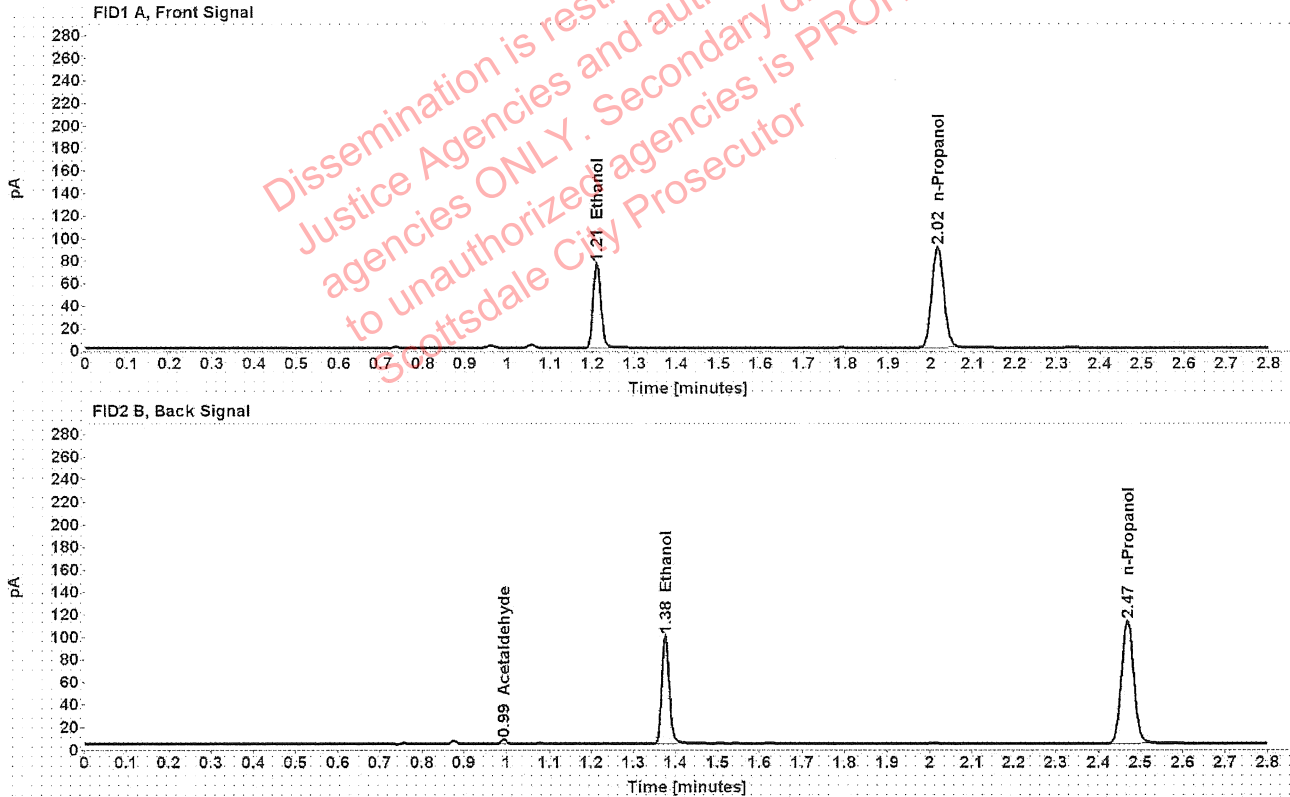


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1464	1.210	95.710
n-Propanol	-----	2.016	178.848

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.765
Ethanol	1.375	118.873
n-Propanol	2.468	221.347

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1315932	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 12:55:55 PM
Data file:	C:\Chem32\1\Data\12May20\11.D	Analyst:	Brooke

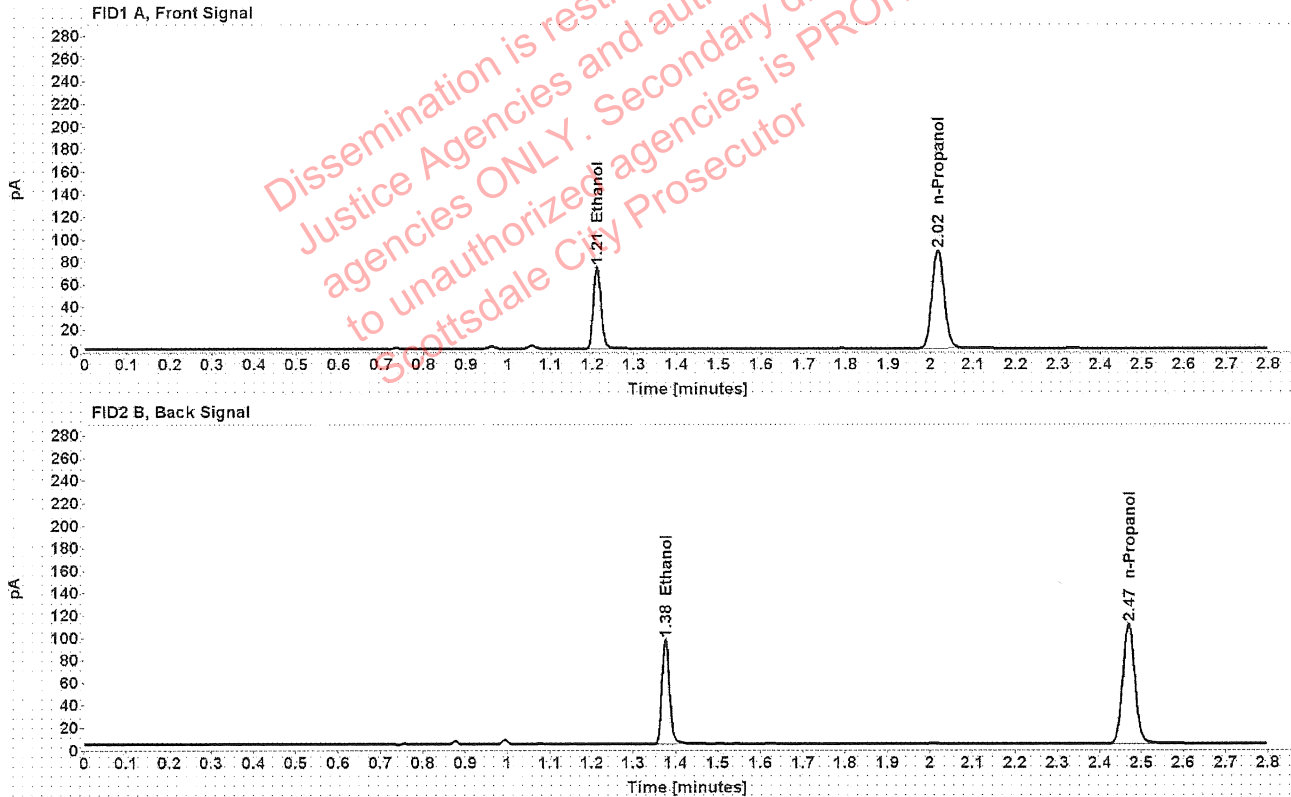


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1457	1.211	93.176
n-Propanol	-----	2.017	174.947

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

Compound	Time (min)	Peak Area
Ethanol	1.376	115.510
n-Propanol	2.469	216.432

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL297	Vial:	12
Description:	████████████████████	LIMS ID:	████████████████
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 12:59:55 PM
Data file:	C:\Chem32\1\Data\12May20\12.D	Analyst:	Brooke

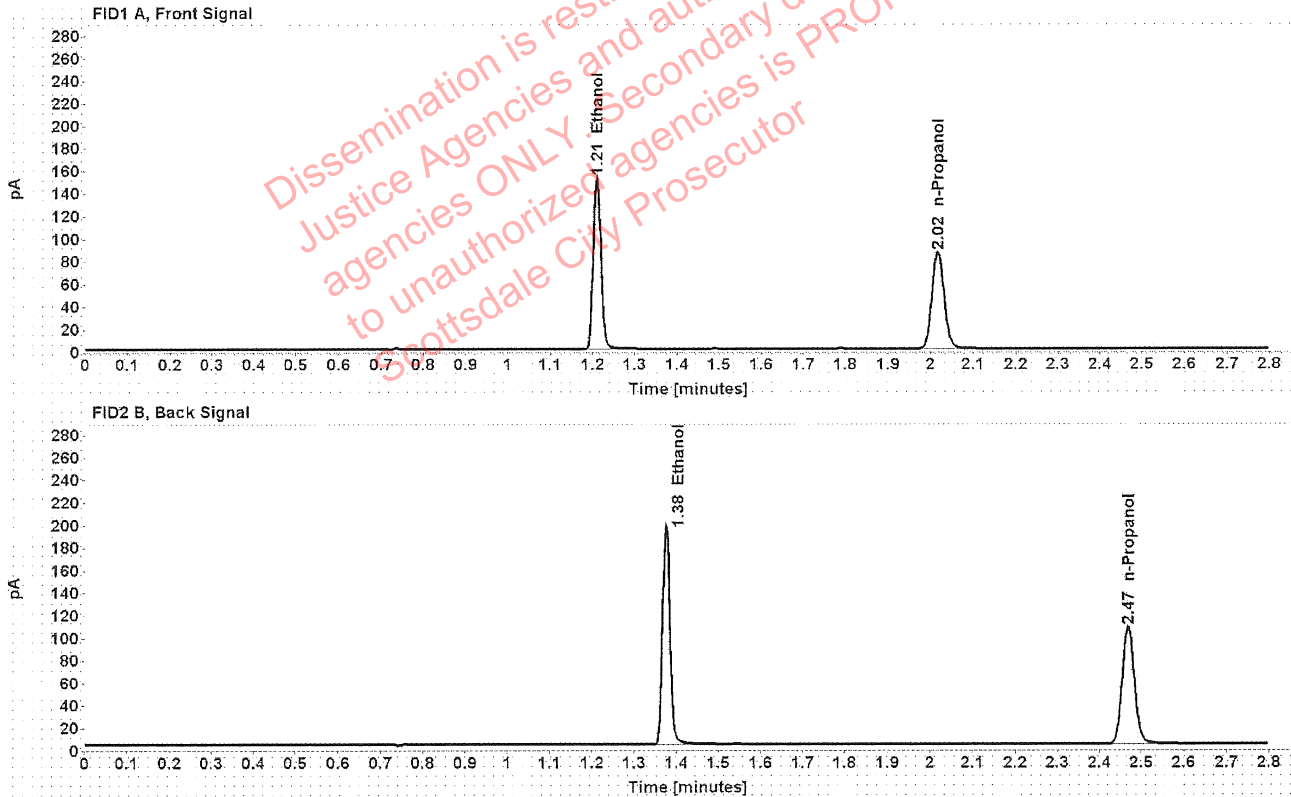


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3076	1.210	192.956
n-Propanol	-----	2.016	171.066

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

Compound	Time (min)	Peak Area
Ethanol	1.376	240.977
n-Propanol	2.469	211.786

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL297	Vial:	13
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:04:10 PM
Data file:	C:\Chem32\1\Data\12May20\13.D	Analyst:	Brooke

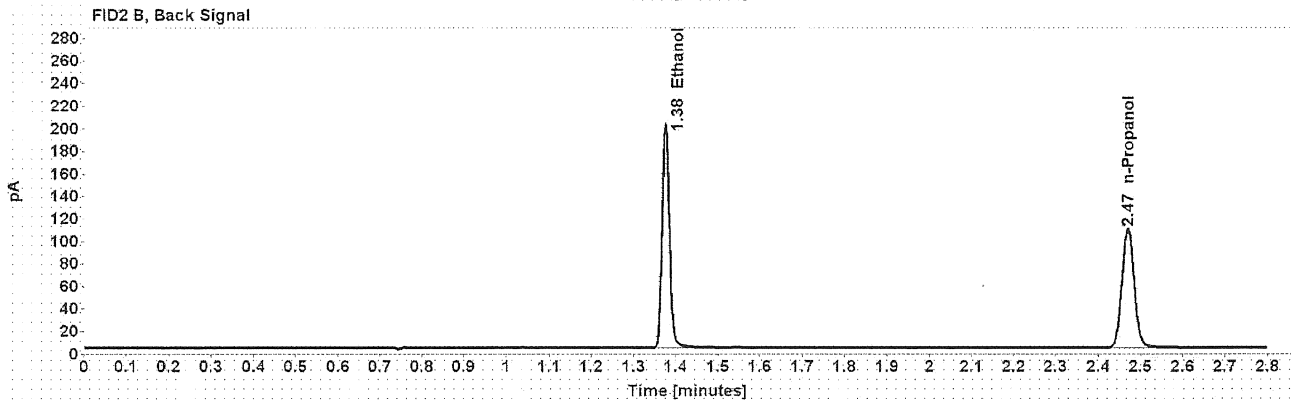
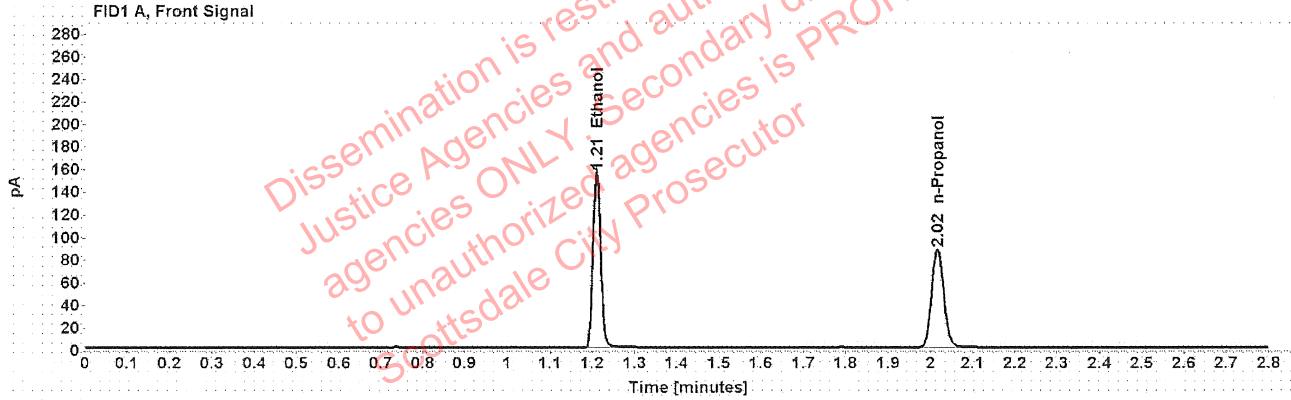


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3097	1.210	197.539
n-Propanol	-----	2.017	173.943

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

Compound	Time (min)	Peak Area
Ethanol	1.376	246.789
n-Propanol	2.469	215.042

VOID



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL225	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:08:10 PM
Data file:	C:\Chem32\1\Data\12May20\14.D	Analyst:	Brooke

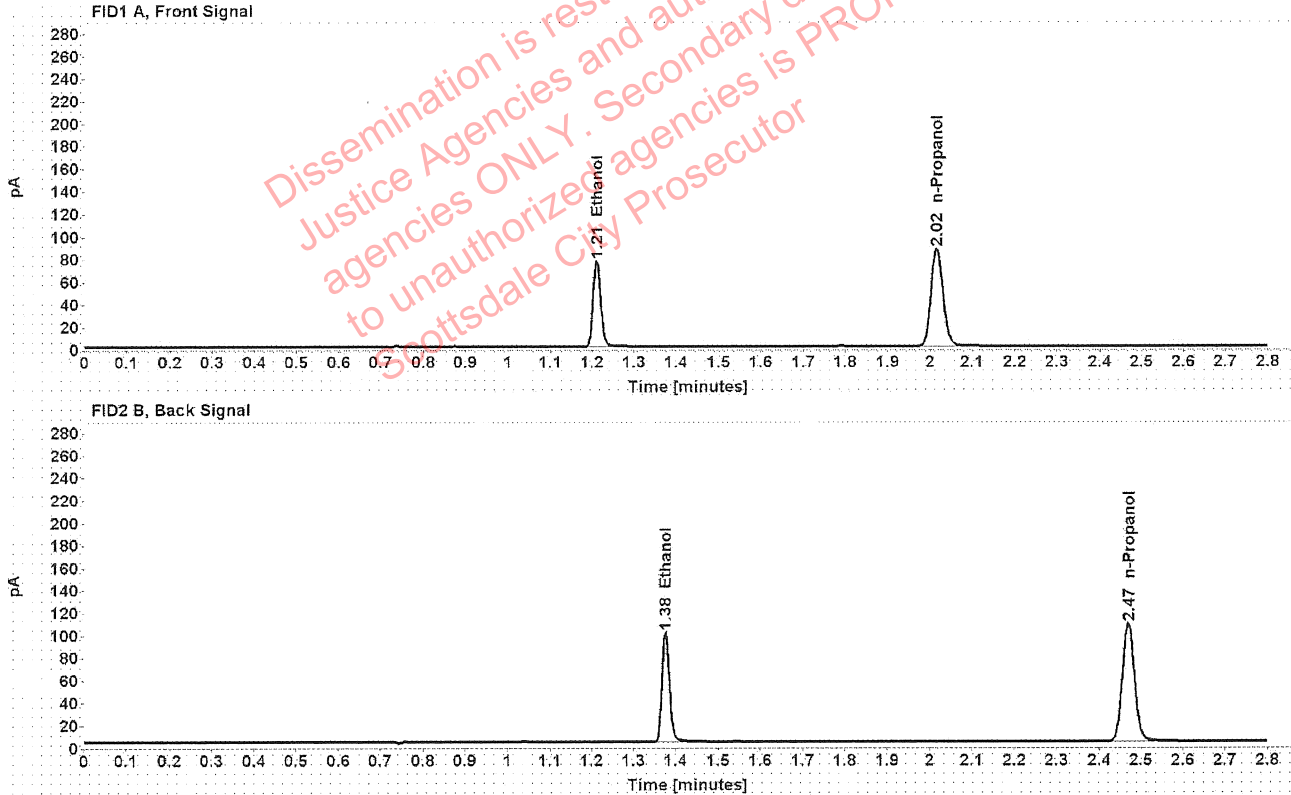


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1542	1.211	97.449
n-Propanol	-----	2.016	172.854

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

Compound	Time (min)	Peak Area
Ethanol	1.376	120.811
n-Propanol	2.469	213.188

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL225	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:12:10 PM
Data file:	C:\Chem32\1\Data\12May20\15.D	Analyst:	Brooke

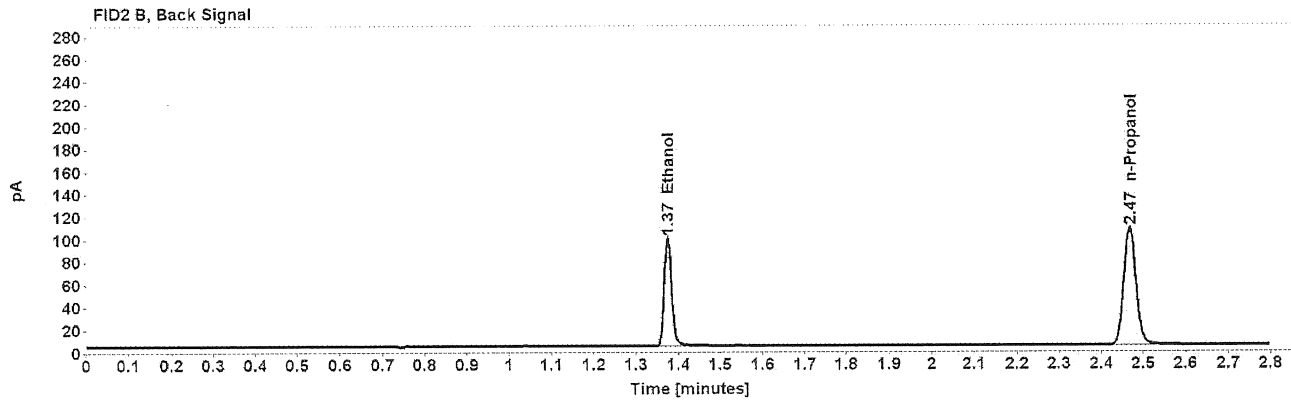
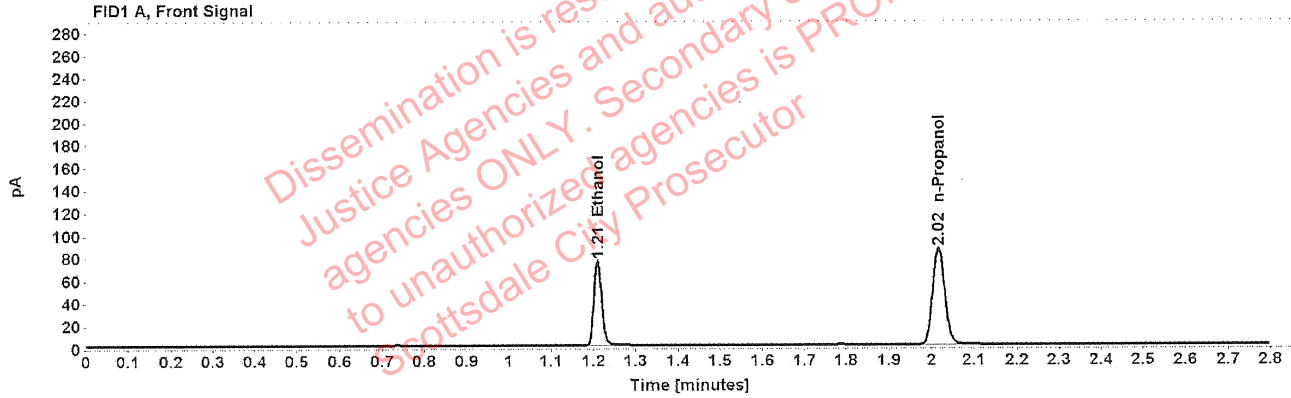


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1530	1.210	95.713
n-Propanol	-----	2.016	171.090

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

Compound	Time (min)	Peak Area
Ethanol	1.375	118.950
n-Propanol	2.468	211.267

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL197	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:16:10 PM
Data file:	C:\Chem32\1\Data\12May20\16.D	Analyst:	Brooke

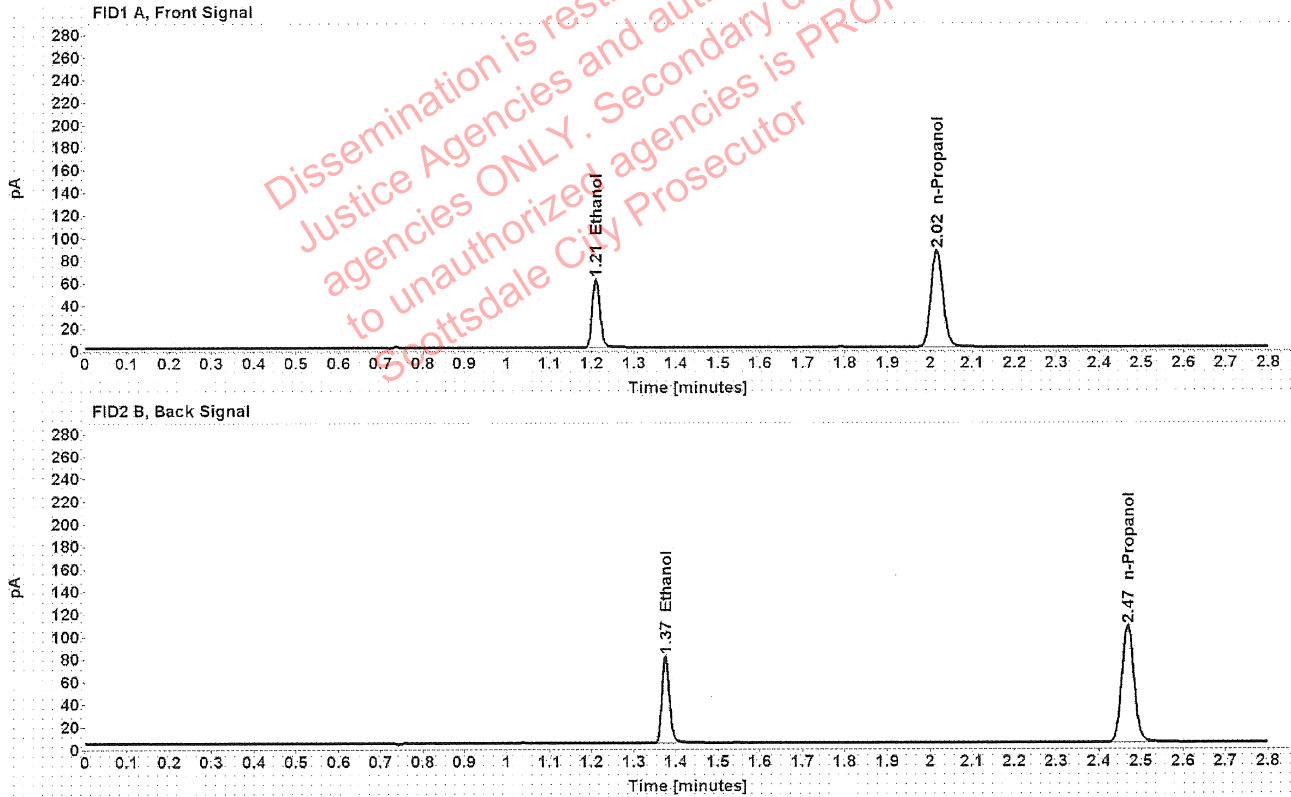


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1235	1.210	77.347
n-Propanol	-----	2.016	171.572

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

Compound	Time (min)	Peak Area
Ethanol	1.375	95.635
n-Propanol	2.468	211.878

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL197	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:20:11 PM
Data file:	C:\Chem32\1\Data\12May20\17.D	Analyst:	Brooke

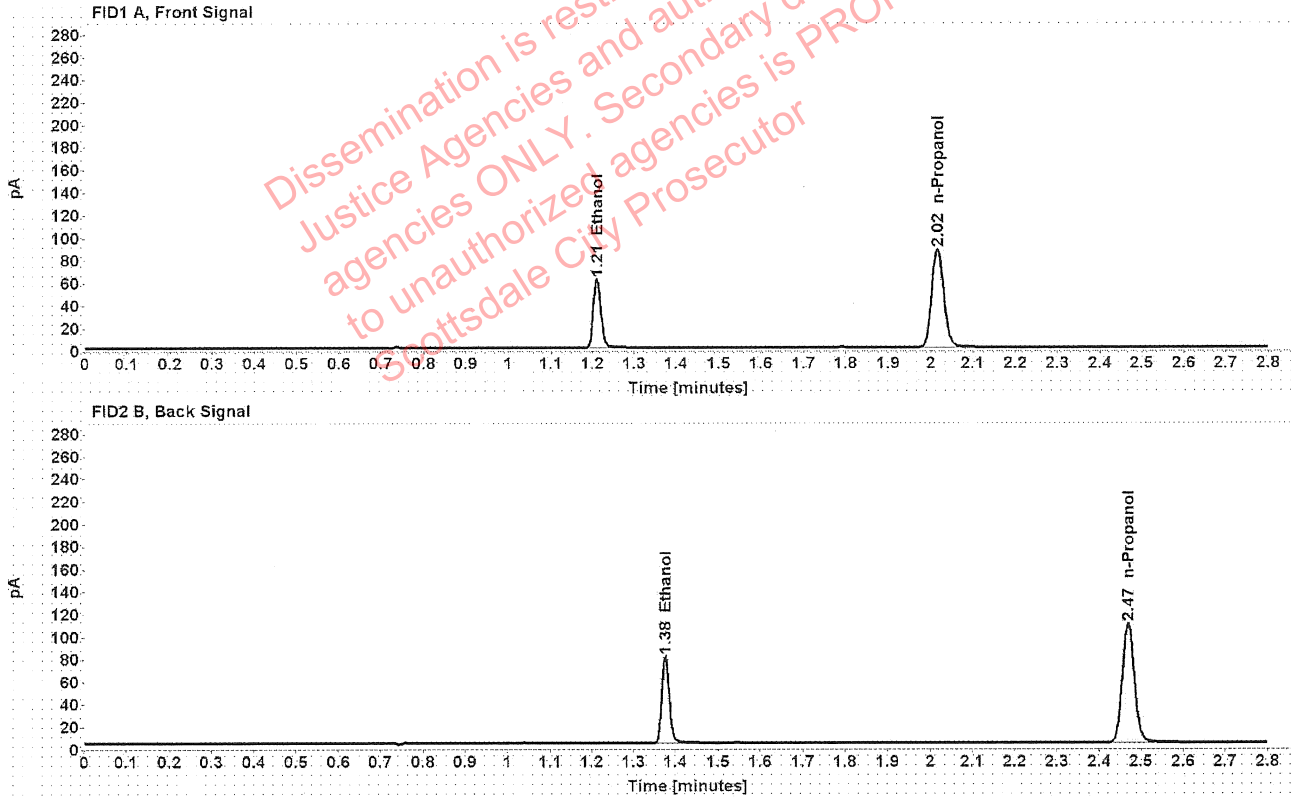


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1223	1.211	77.595
n-Propanol	-----	2.016	173.827

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

Compound	Time (min)	Peak Area
Ethanol	1.376	95.899
n-Propanol	2.469	214.545

**VOID**

Case: [REDACTED] User: pbrooke 5/13/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL147	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:24:11 PM
Data file:	C:\Chem32\1\Data\12May20\18.D	Analyst:	Brooke

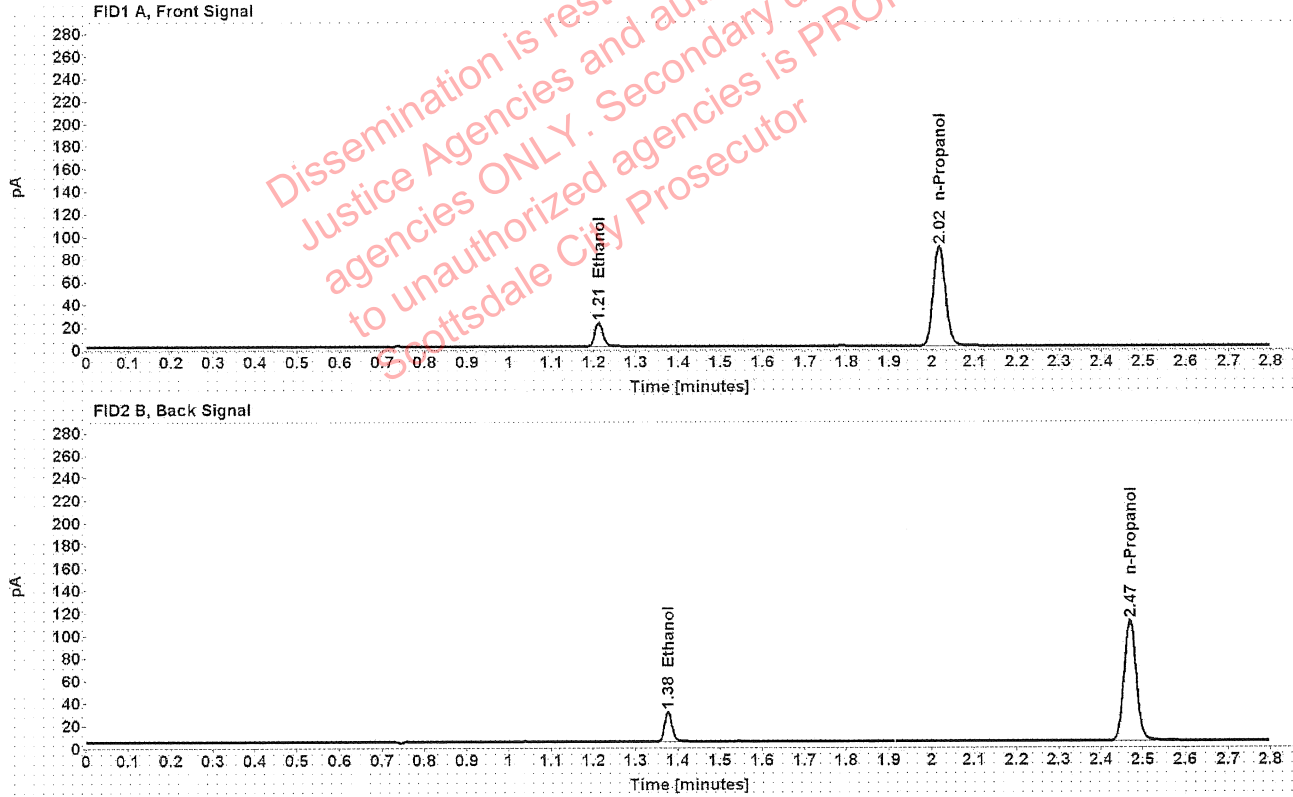


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0428	1.212	27.237
n-Propanol	-----	2.016	176.769

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

Compound	Time (min)	Peak Area
Ethanol	1.377	33.701
n-Propanol	2.469	217.966

**VOID**

Case: [REDACTED] User: pbrooke 5/13/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	VIAL147	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:28:25 PM
Data file:	C:\Chem32\1\Data\12May20\19.D	Analyst:	Brooke

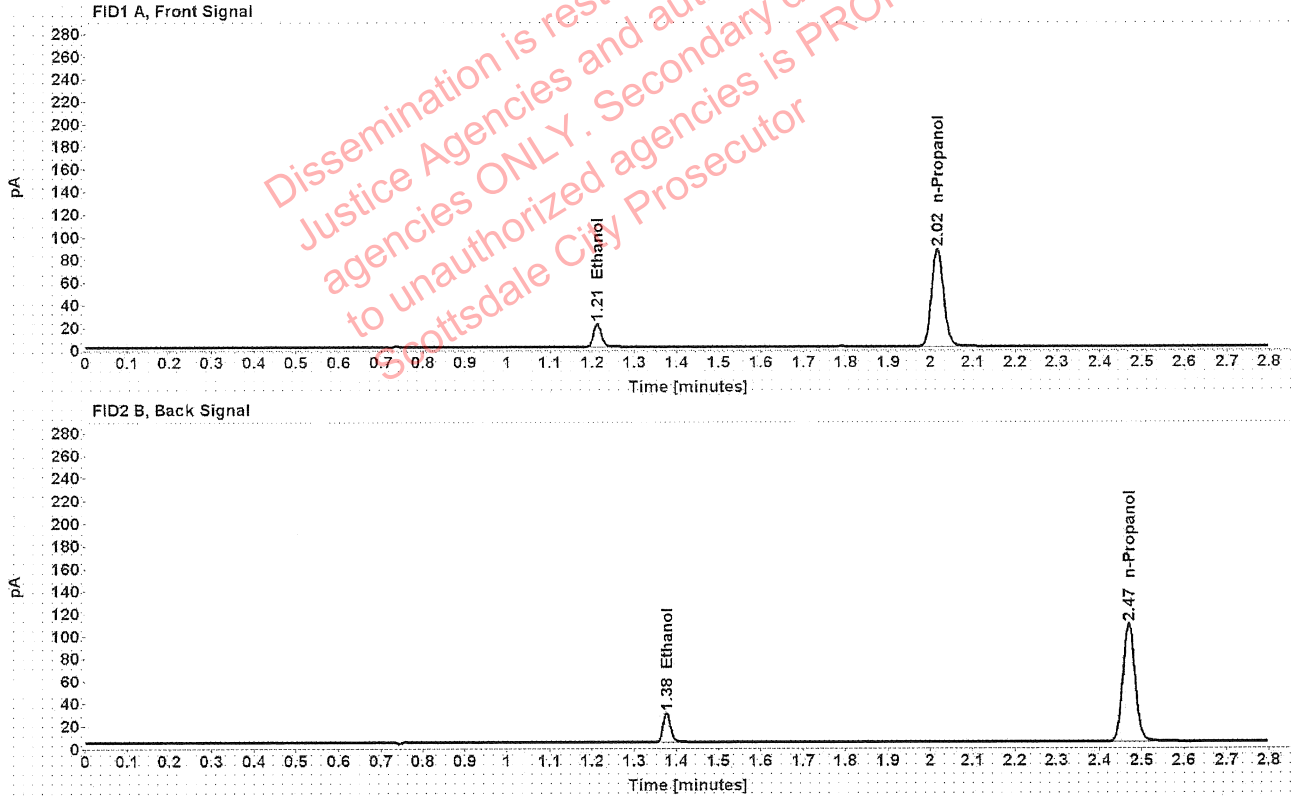


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0424	1.212	26.358
n-Propanol	-----	2.016	172.606

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

Compound	Time (min)	Peak Area
Ethanol	1.377	32.394
n-Propanol	2.469	212.635

**VOID**

[REDACTED]: Brooke, Phillip - (13-May-2020)

Case: [REDACTED] User: pbrooke 5/13/2020

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319510	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:36:25 PM
Data file:	C:\Chem32\1\Data\12May20\21.D	Analyst:	Brooke

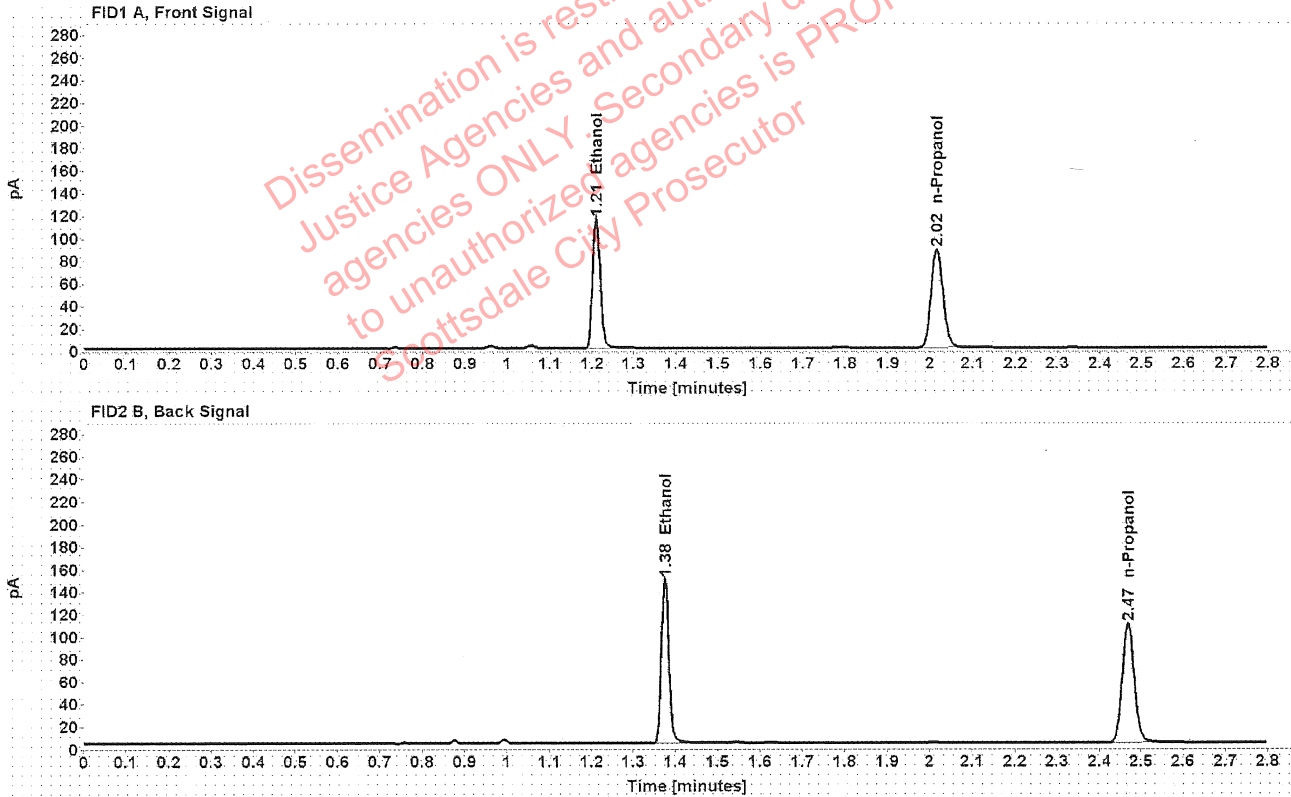


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2291	1.210	146.224
n-Propanol	-----	2.016	174.219

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

Compound	Time (min)	Peak Area
Ethanol	1.375	183.378
n-Propanol	2.469	215.052

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319510	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:40:26 PM
Data file:	C:\Chem32\1\Data\12May20\22.D	Analyst:	Brooke

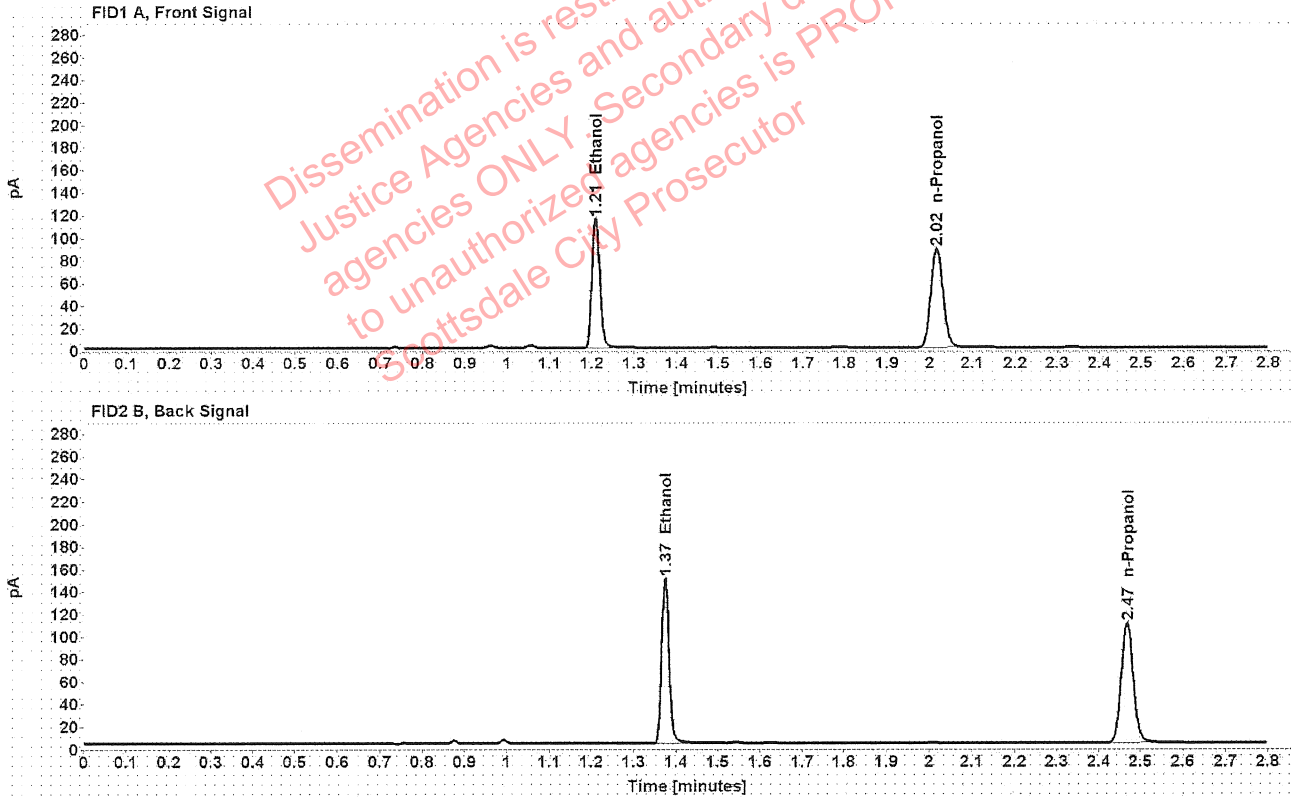


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2279	1.209	146.492
n-Propanol	-----	2.016	175.434

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

Compound	Time (min)	Peak Area
Ethanol	1.374	183.660
n-Propanol	2.468	216.635

VOID



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311460	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:44:25 PM
Data file:	C:\Chem32\1\Data\12May20\23.D	Analyst:	Brooke

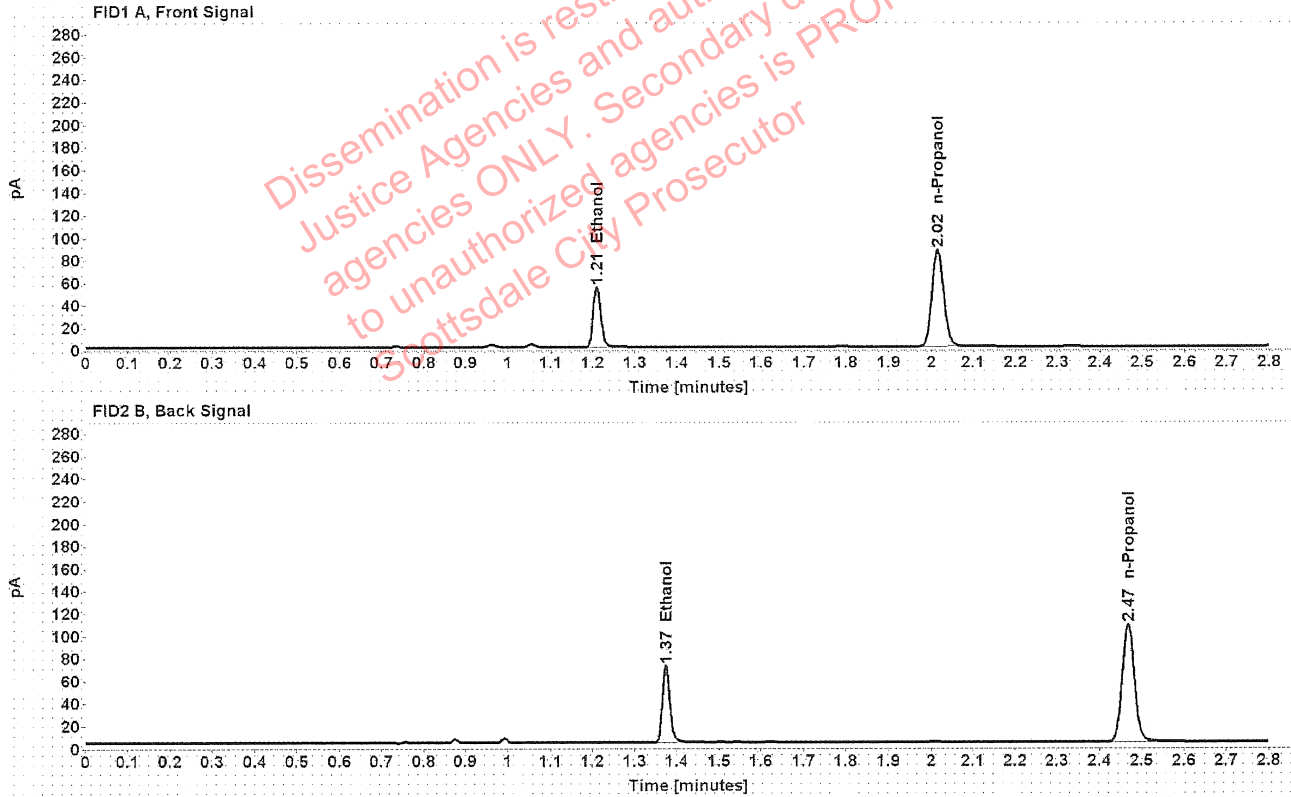


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1097	1.210	68.771
n-Propanol	-----	2.015	171.892

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

Compound	Time (min)	Peak Area
Ethanol	1.374	84.911
n-Propanol	2.467	212.536

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1311460	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:48:25 PM
Data file:	C:\Chem32\1\Data\12May20\24.D	Analyst:	Brooke

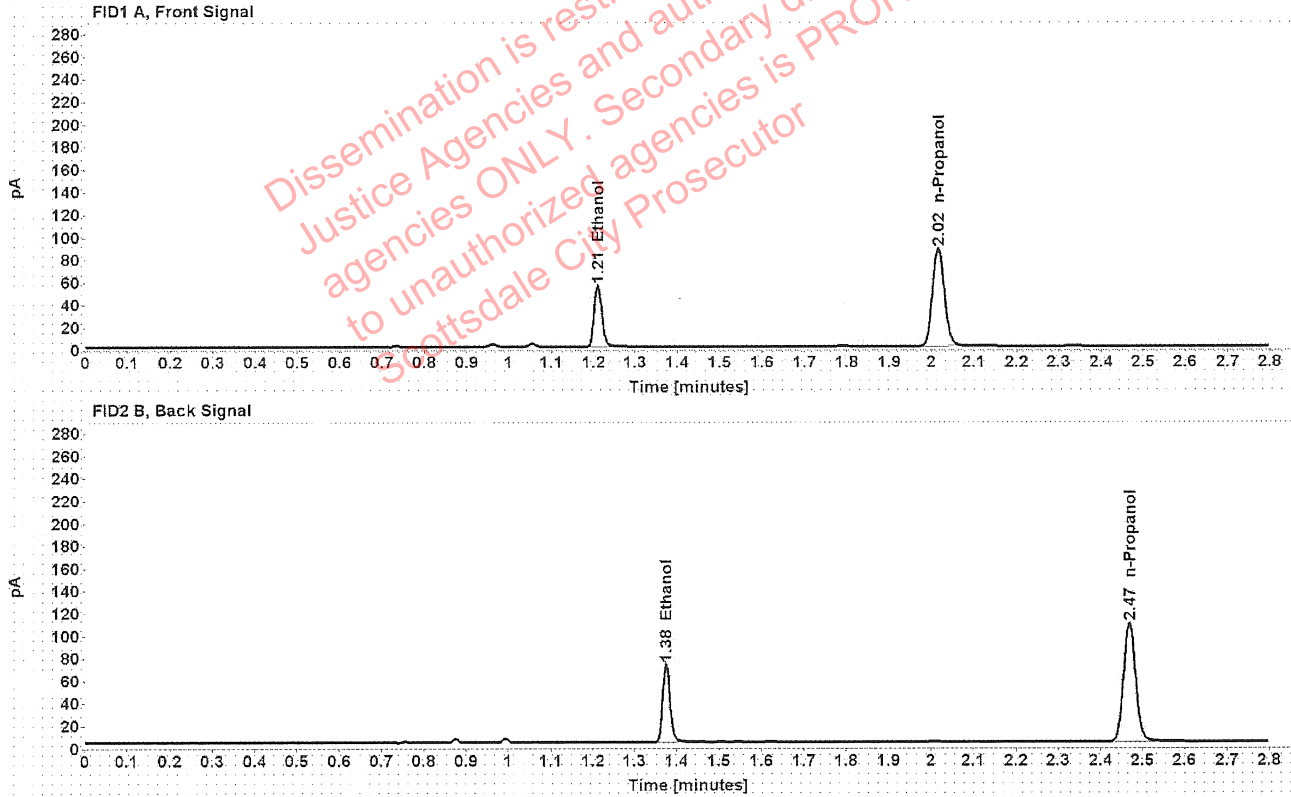


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1101	1.210	69.756
n-Propanol	-----	2.016	173.600

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

Compound	Time (min)	Peak Area
Ethanol	1.375	86.211
n-Propanol	2.468	214.472

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319520	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:52:40 PM
Data file:	C:\Chem32\1\Data\12May20\25.D	Analyst:	Brooke

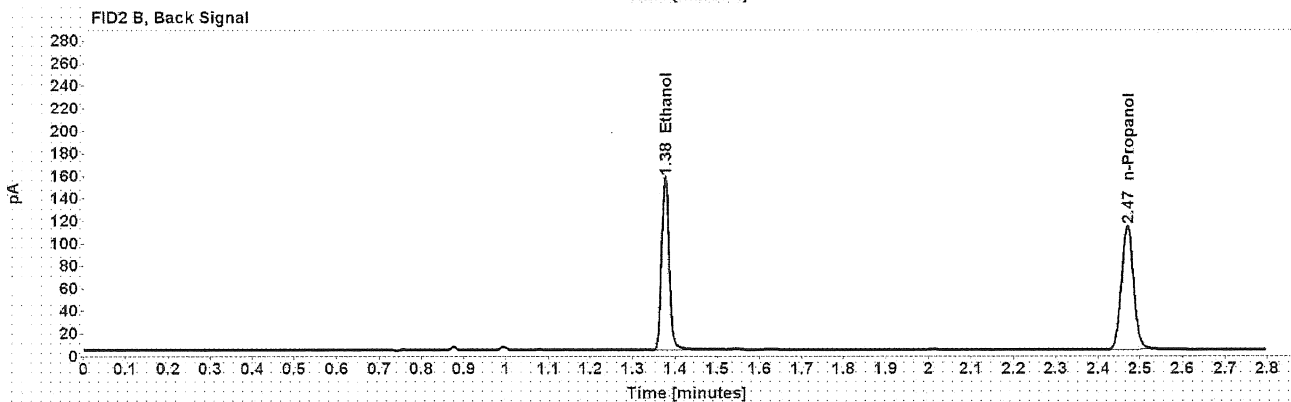
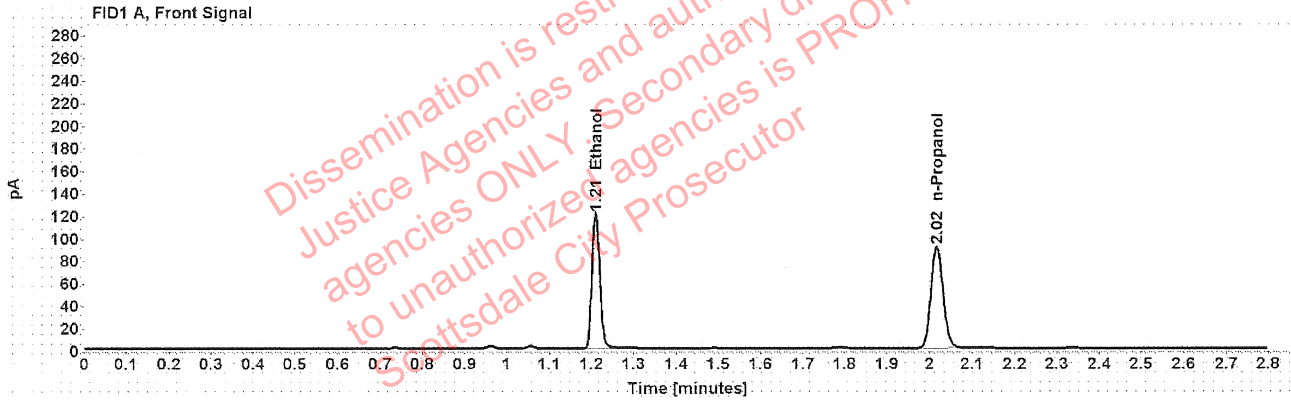


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2320	1.210	153.474
n-Propanol	-----	2.017	180.546

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

Compound	Time (min)	Peak Area
Ethanol	1.376	192.215
n-Propanol	2.469	222.525

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319520	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 1:56:40 PM
Data file:	C:\Chem32\1\Data\12May20\26.D	Analyst:	Brooke

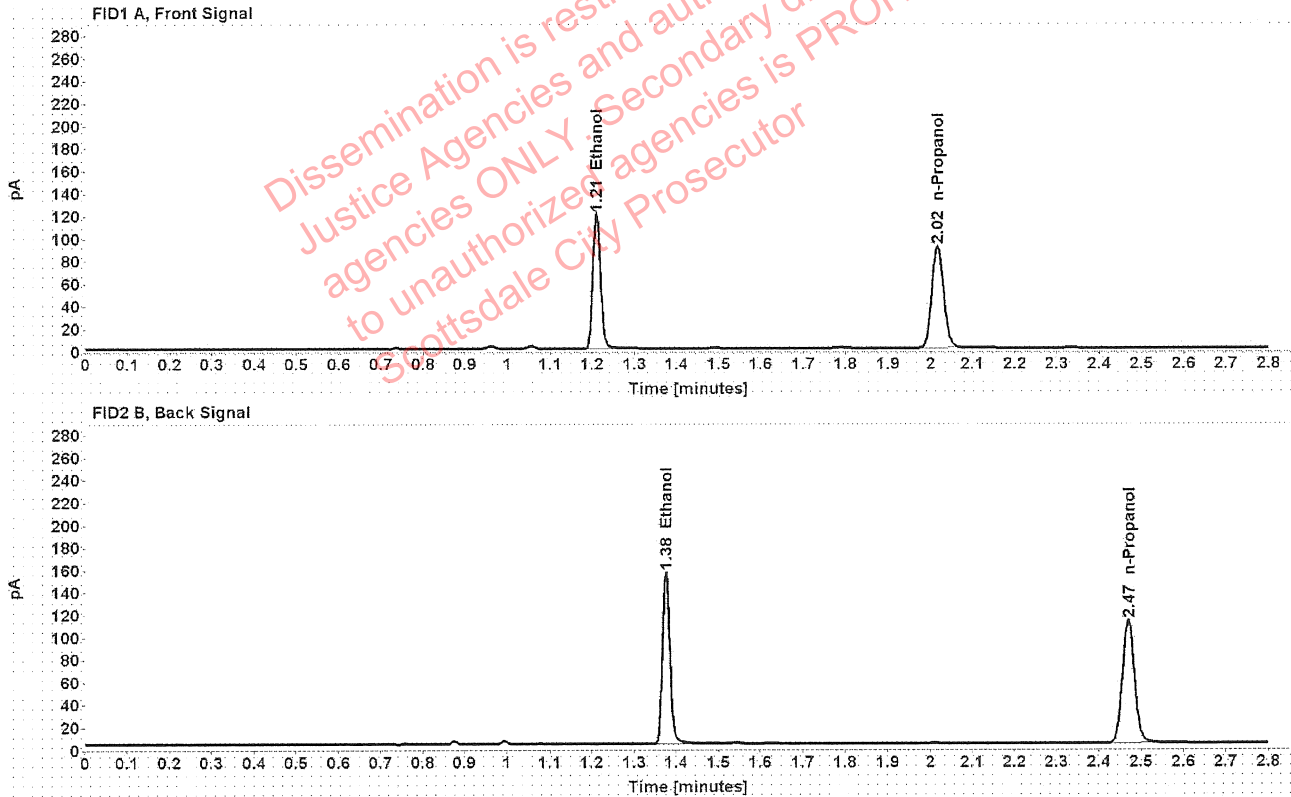


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2317	1.210	152.592
n-Propanol	-----	2.016	179.732

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

Compound	Time (min)	Peak Area
Ethanol	1.376	191.366
n-Propanol	2.469	221.580

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320240	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:00:40 PM
Data file:	C:\Chem32\1\Data\12May20\27.D	Analyst:	Brooke

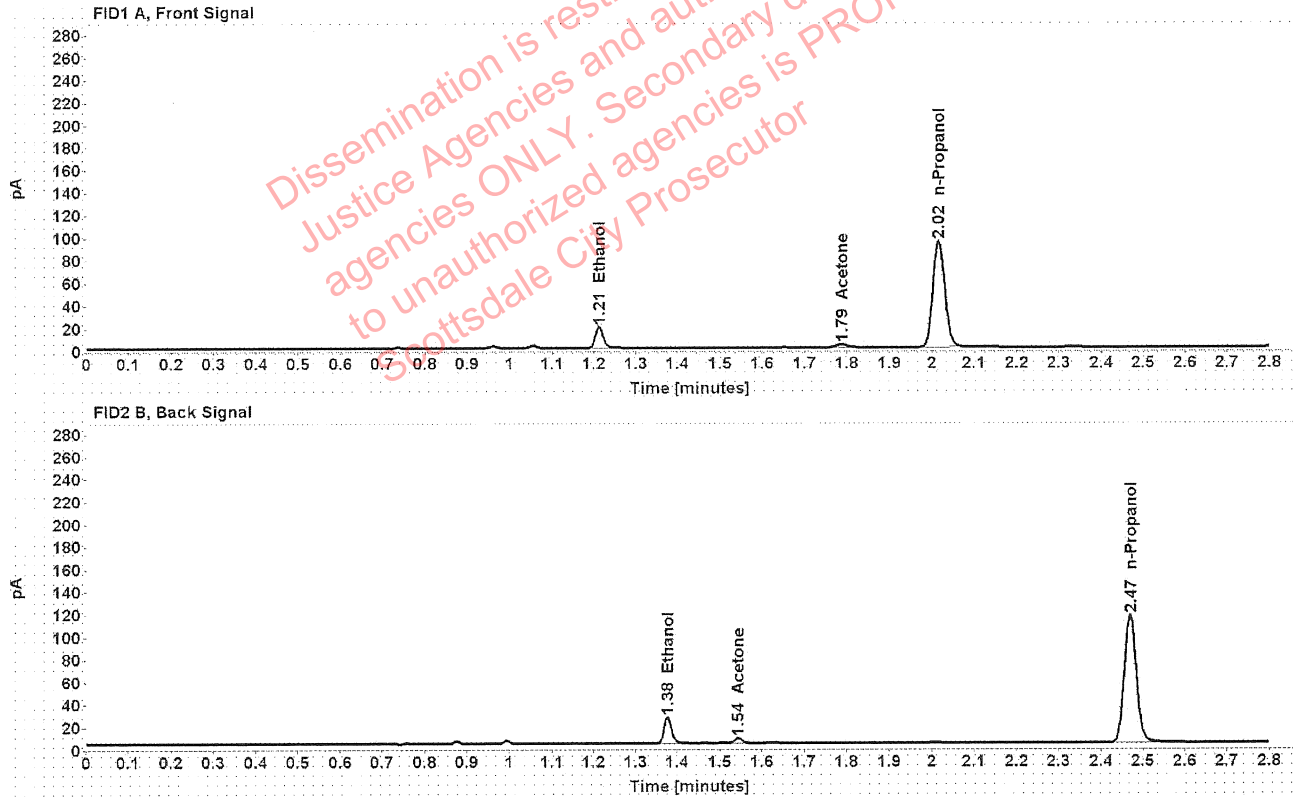


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0358	1.212	23.977
Acetone	-----	1.787	4.878
n-Propanol	-----	2.016	186.729

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

Compound	Time (min)	Peak Area
Ethanol	1.377	30.265
Acetone	1.543	6.270
n-Propanol	2.469	230.737

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320240	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:04:40 PM
Data file:	C:\Chem32\1\Data\12May20\28.D	Analyst:	Brooke

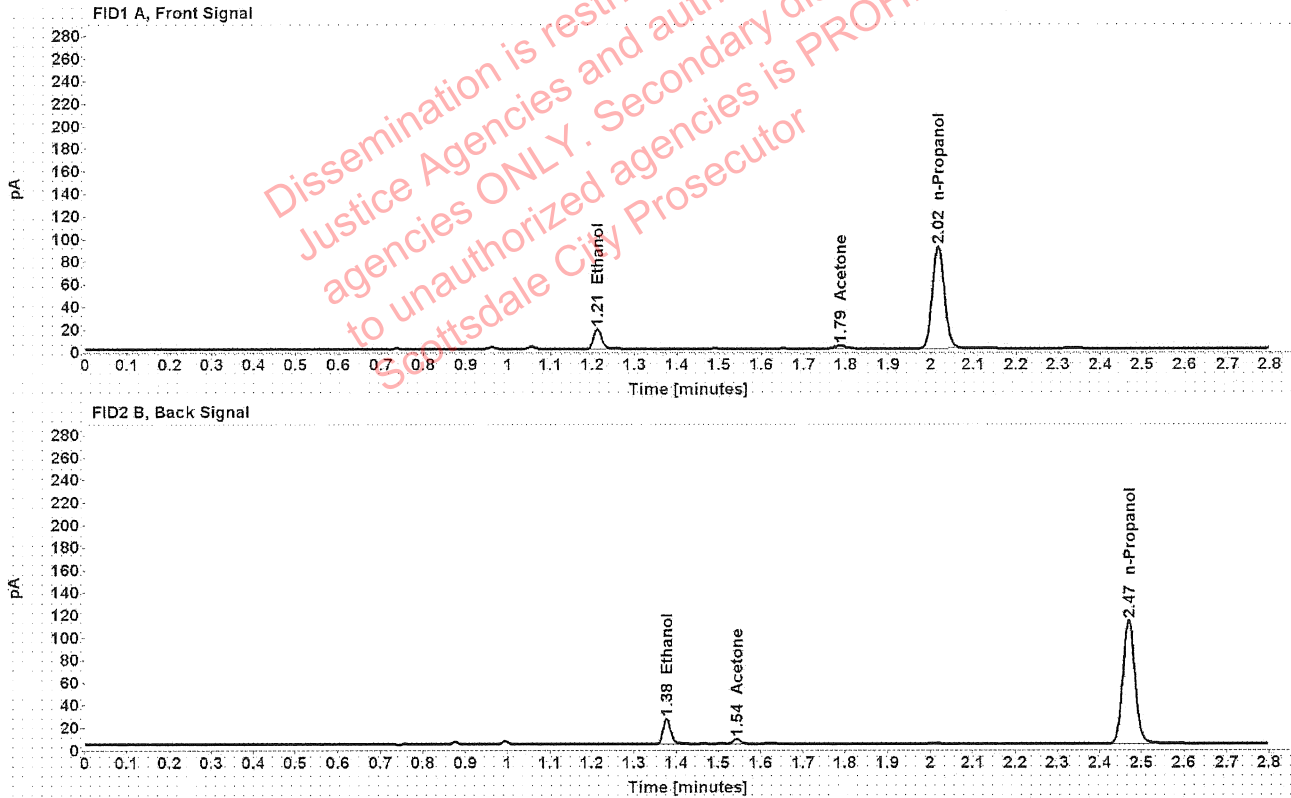


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0355	1.212	22.963
Acetone	-----	1.787	4.776
n-Propanol	-----	2.017	180.283

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

Compound	Time (min)	Peak Area
Ethanol	1.377	29.015
Acetone	1.544	6.175
n-Propanol	2.469	222.555

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320312	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:08:41 PM
Data file:	C:\Chem32\1\Data\12May20\29.D	Analyst:	Brooke

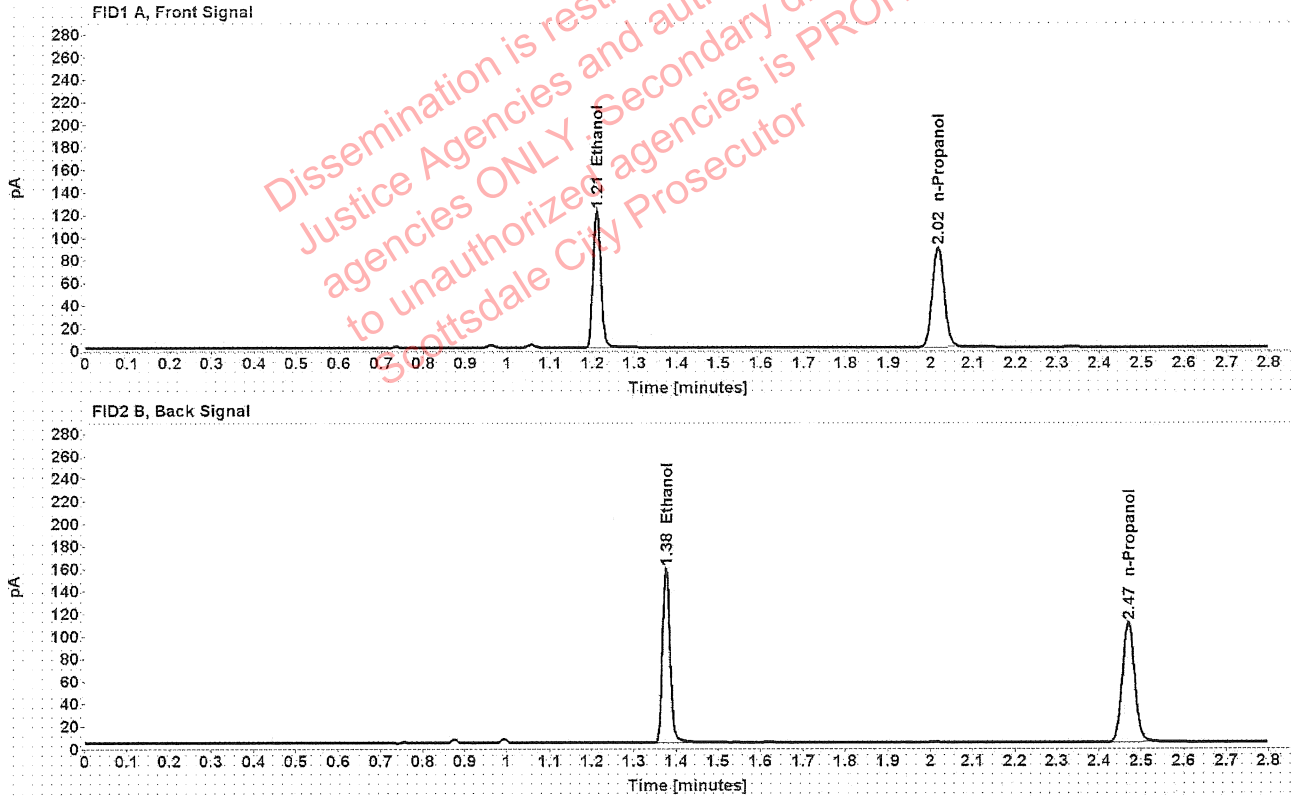


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2404	1.210	154.893
n-Propanol	-----	2.016	175.858

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

Compound	Time (min)	Peak Area
Ethanol	1.376	194.113
n-Propanol	2.469	217.124

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320312	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:12:40 PM
Data file:	C:\Chem32\1\Data\12May20\30.D	Analyst:	Brooke

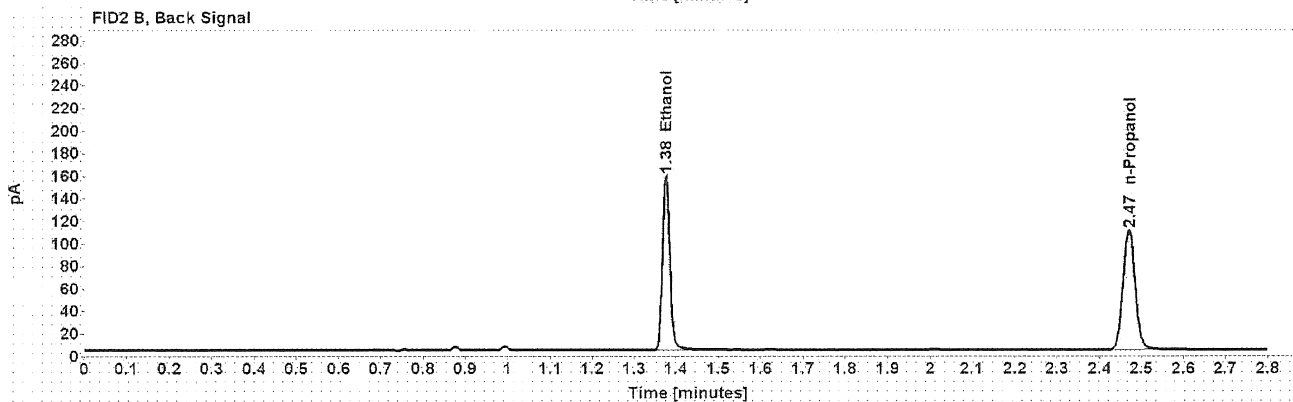
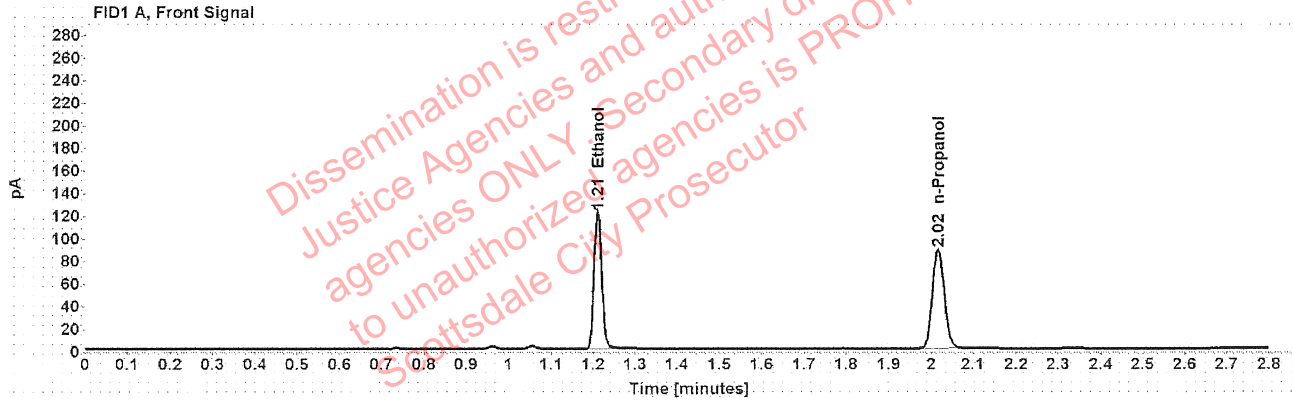


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2407	1.210	154.403
n-Propanol	-----	2.017	175.064

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

Compound	Time (min)	Peak Area
Ethanol	1.376	193.420
n-Propanol	2.469	216.258

**VOID**



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320310	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:20:56 PM
Data file:	C:\Chem32\1\Data\12May20\32.D	Analyst:	Brooke

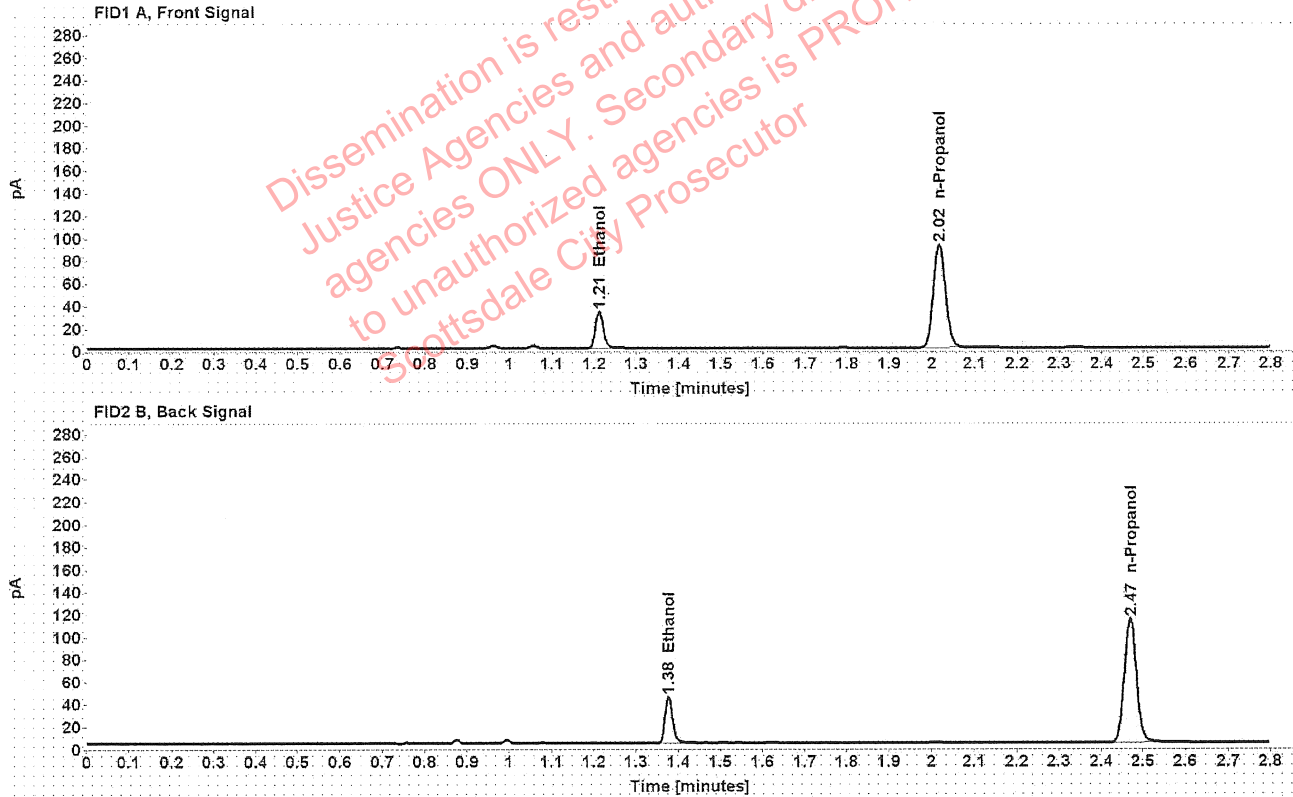


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0635	1.212	42.068
n-Propanol	-----	2.017	182.636

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

Compound	Time (min)	Peak Area
Ethanol	1.377	51.937
n-Propanol	2.469	224.973

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320310	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:24:55 PM
Data file:	C:\Chem32\1\Data\12May20\33.D	Analyst:	Brooke

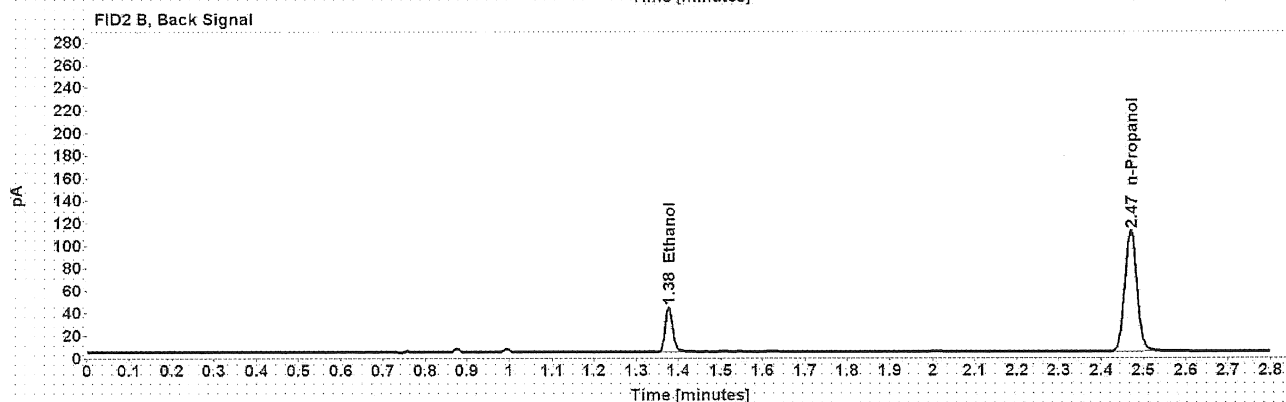
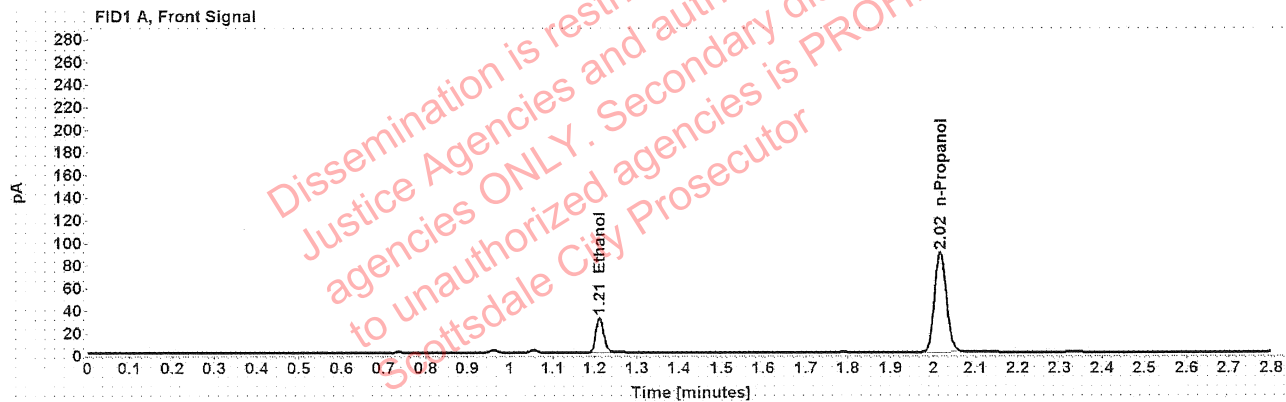


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0625	1.212	40.165
n-Propanol	-----	2.017	177.096

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

Compound	Time (min)	Peak Area
Ethanol	1.377	49.705
n-Propanol	2.469	218.014

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601EW	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:28:56 PM
Data file:	C:\Chem32\1\Data\12May20\34.D	Analyst:	Brooke

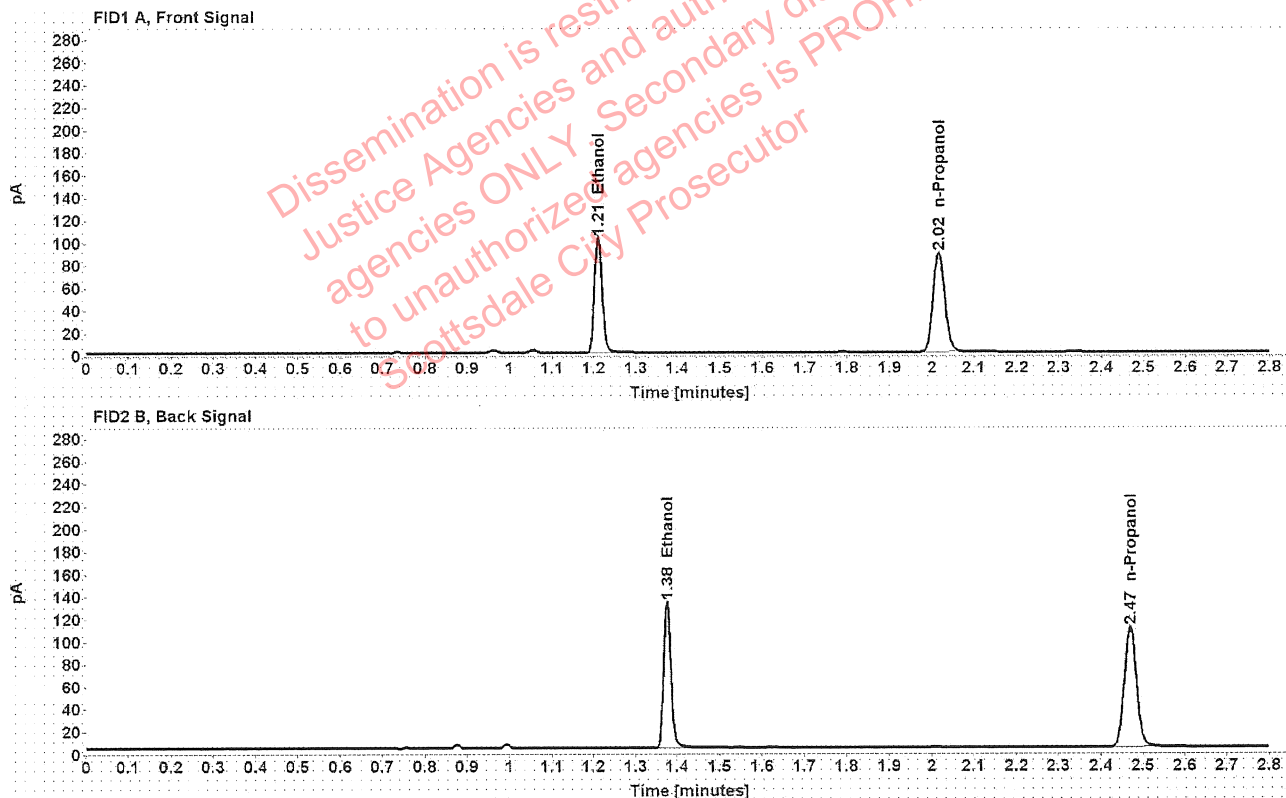


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2026	1.210	130.208
n-Propanol	-----	2.016	175.550

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

Compound	Time (min)	Peak Area
Ethanol	1.376	163.426
n-Propanol	2.469	216.508

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	32601EV	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:32:55 PM
Data file:	C:\Chem32\1\Data\12May20\35.D	Analyst:	Brooke

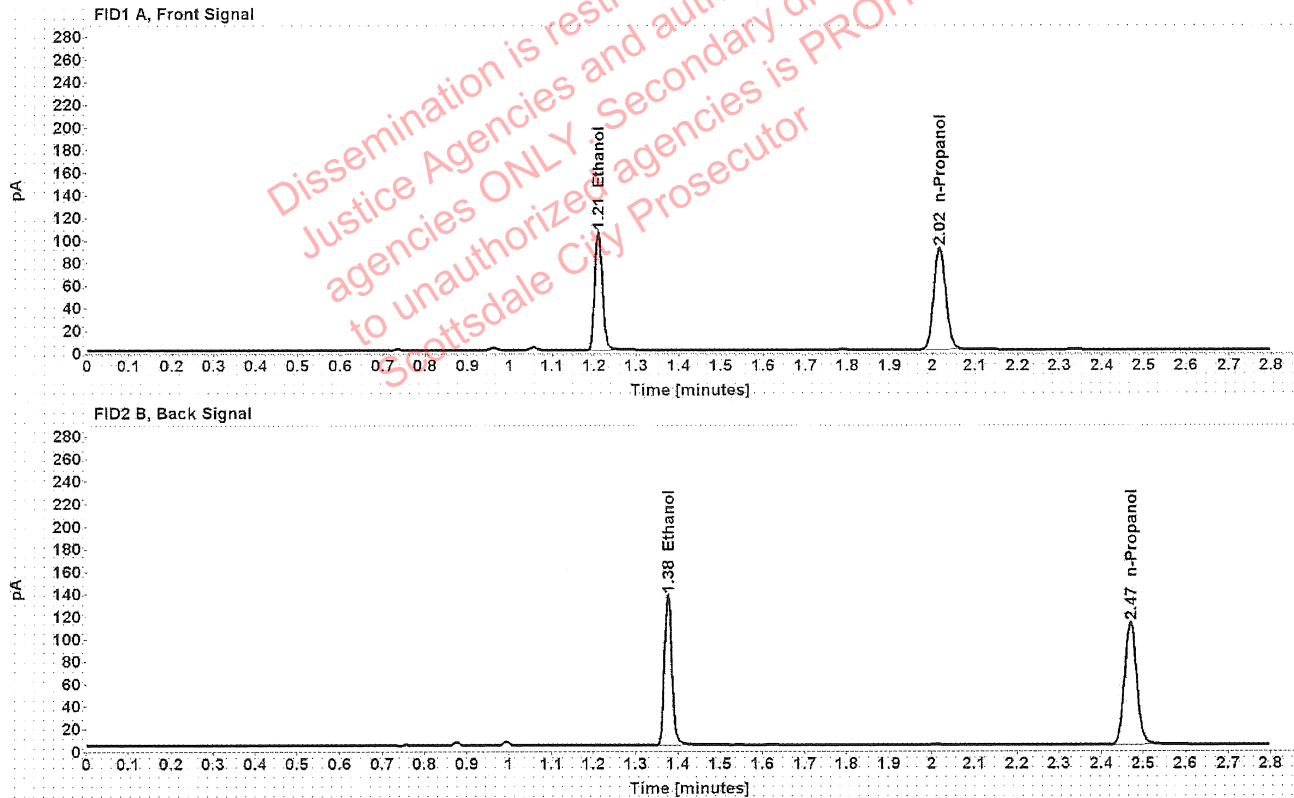


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2039	1.210	134.021
n-Propanol	-----	2.017	179.547

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.441
n-Propanol	2.469	221.894

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28801JU	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:36:56 PM
Data file:	C:\Chem32\1\Data\12May20\36.D	Analyst:	Brooke

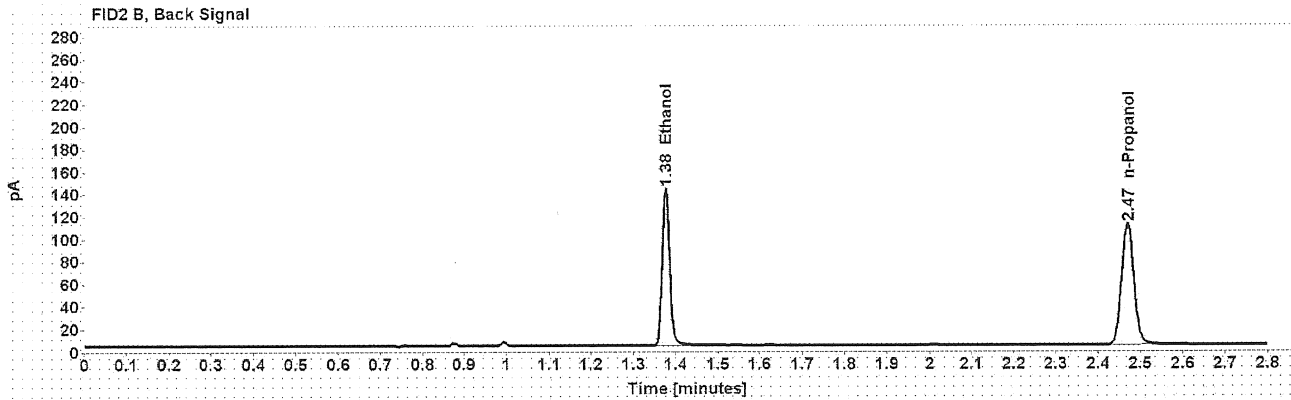
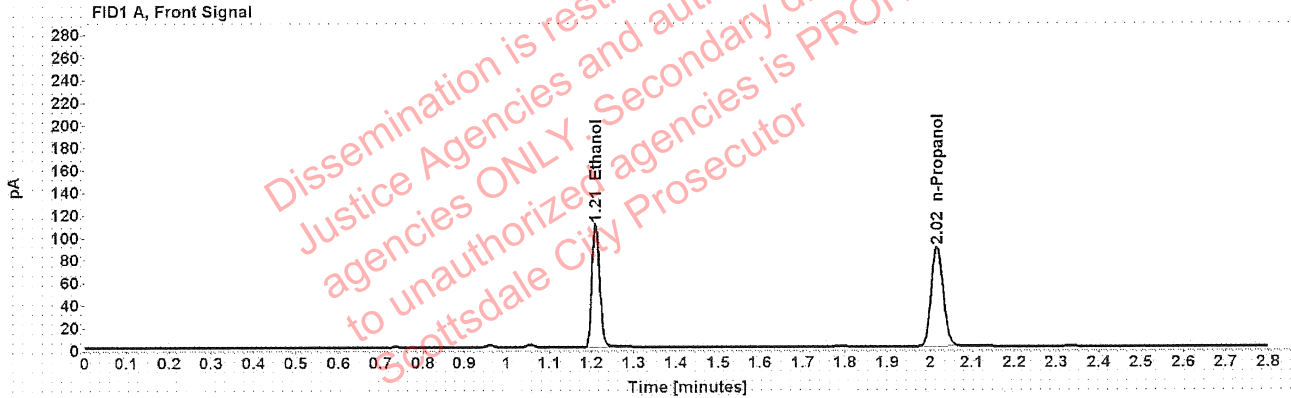


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2154	1.210	139.530
n-Propanol	-----	2.017	176.852

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

Compound	Time (min)	Peak Area
Ethanol	1.376	174.913
n-Propanol	2.469	217.927

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	28801JU	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:41:10 PM
Data file:	C:\Chem32\1\Data\12May20\37.D	Analyst:	Brooke

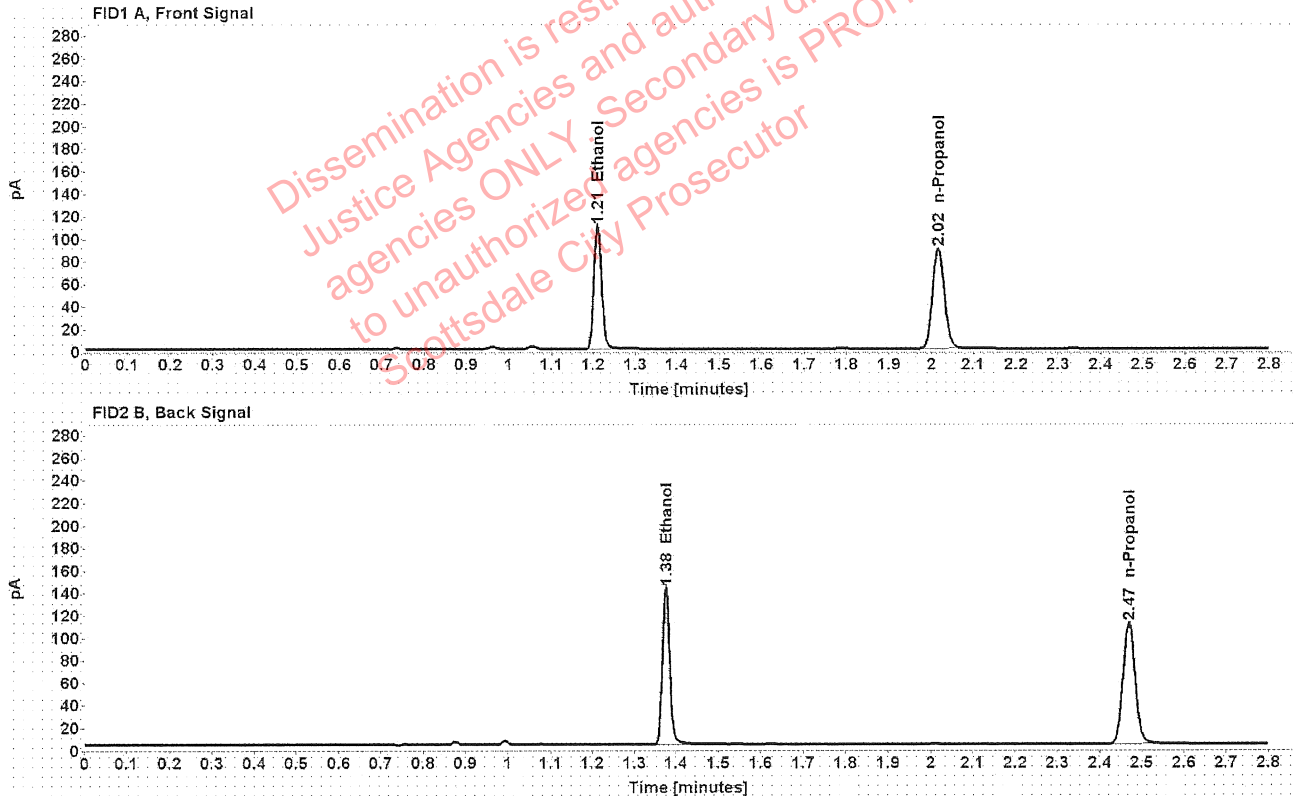


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2145	1.210	139.776
n-Propanol	-----	2.016	177.889

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

Compound	Time (min)	Peak Area
Ethanol	1.376	174.968
n-Propanol	2.469	218.878

**VOID**

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1314408	Vial: 38
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 12May20
Instrument: US14173023 CN14160045	Injection date: 5/12/2020 2:45:10 PM
Data file: C:\Chem32\1\Data\12May20\38.D	Analyst: Brooke

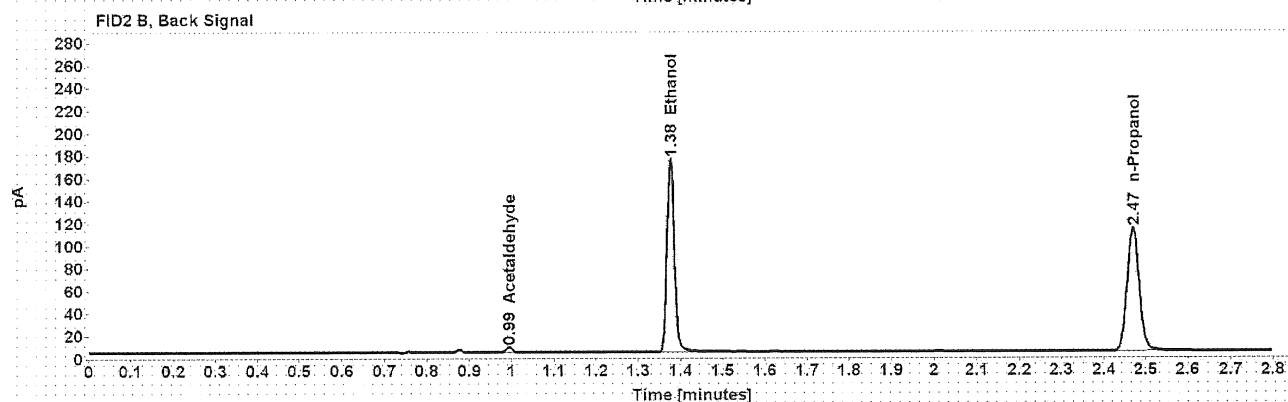
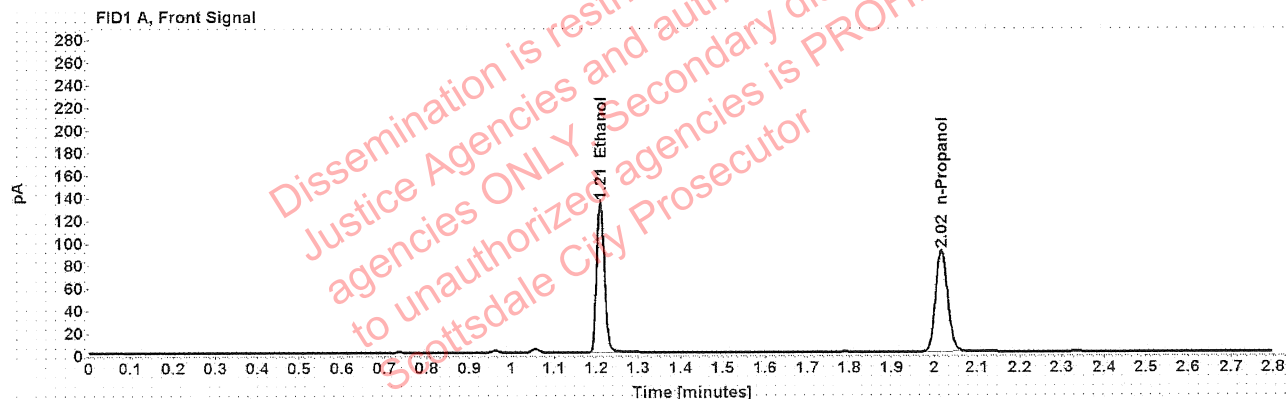


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2579	1.210	170.641
n-Propanol	-----	2.016	180.536

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.364
Ethanol	1.376	214.041
n-Propanol	2.469	222.471

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314408	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:49:10 PM
Data file:	C:\Chem32\1\Data\12May20\39.D	Analyst:	Brooke

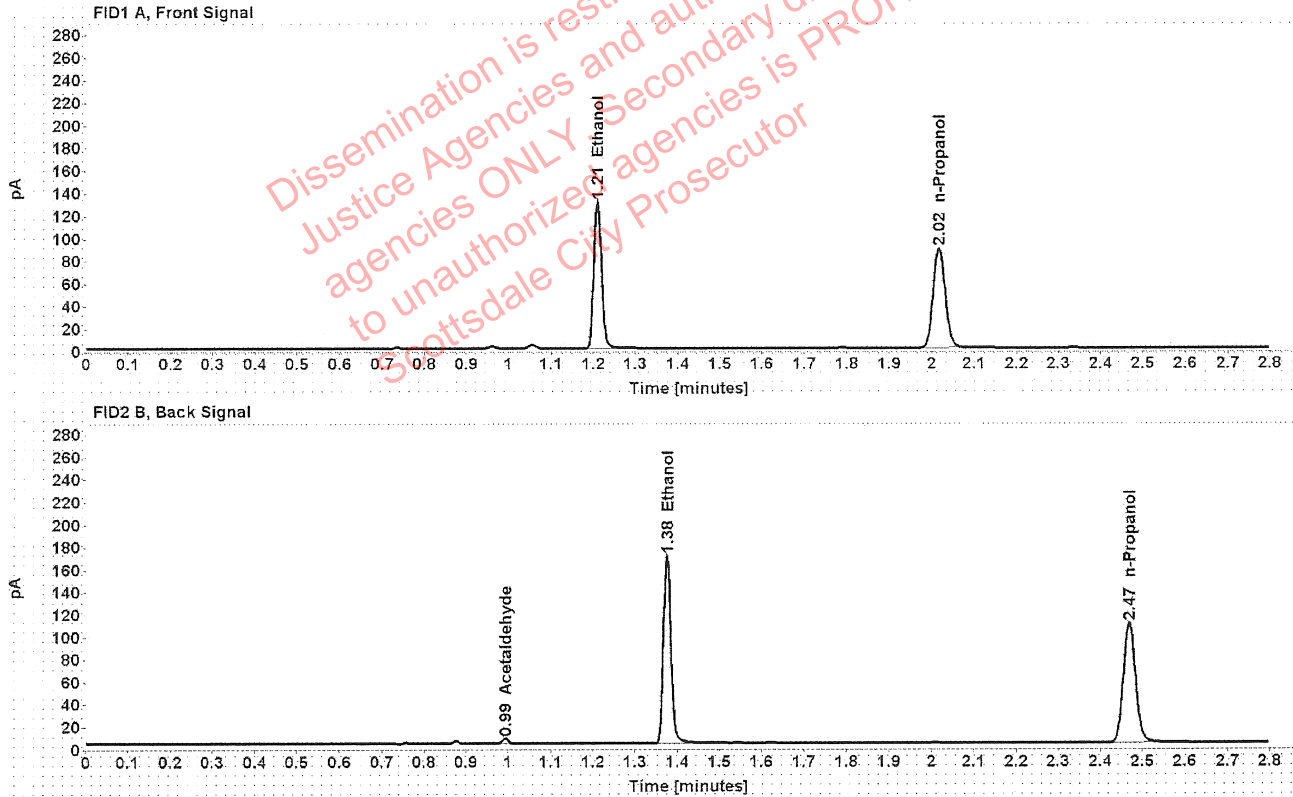


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2574	1.210	166.401
n-Propanol	-----	2.016	176.420

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.297
Ethanol	1.376	208.684
n-Propanol	2.469	217.583

**VOID**



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1318822	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:53:11 PM
Data file:	C:\Chem32\1\Data\12May20\40.D	Analyst:	Brooke

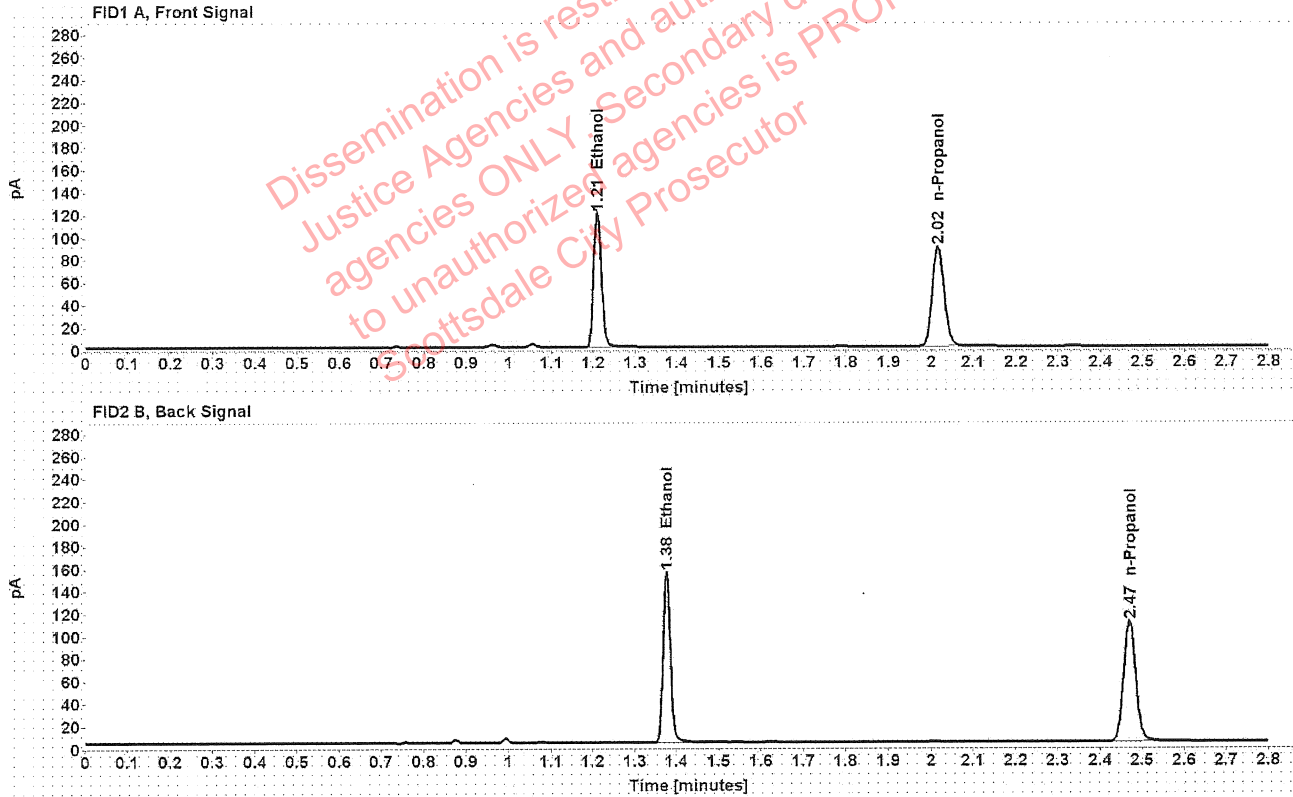


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2354	1.210	151.938
n-Propanol	-----	2.016	176.175

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

Compound	Time (min)	Peak Area
Ethanol	1.376	190.514
n-Propanol	2.469	216.737

VOID

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1318822	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	12May20
Instrument:	US14173023 CN14160045	Injection date:	5/12/2020 2:57:10 PM
Data file:	C:\Chem32\1\Data\12May20\41.D	Analyst:	Brooke

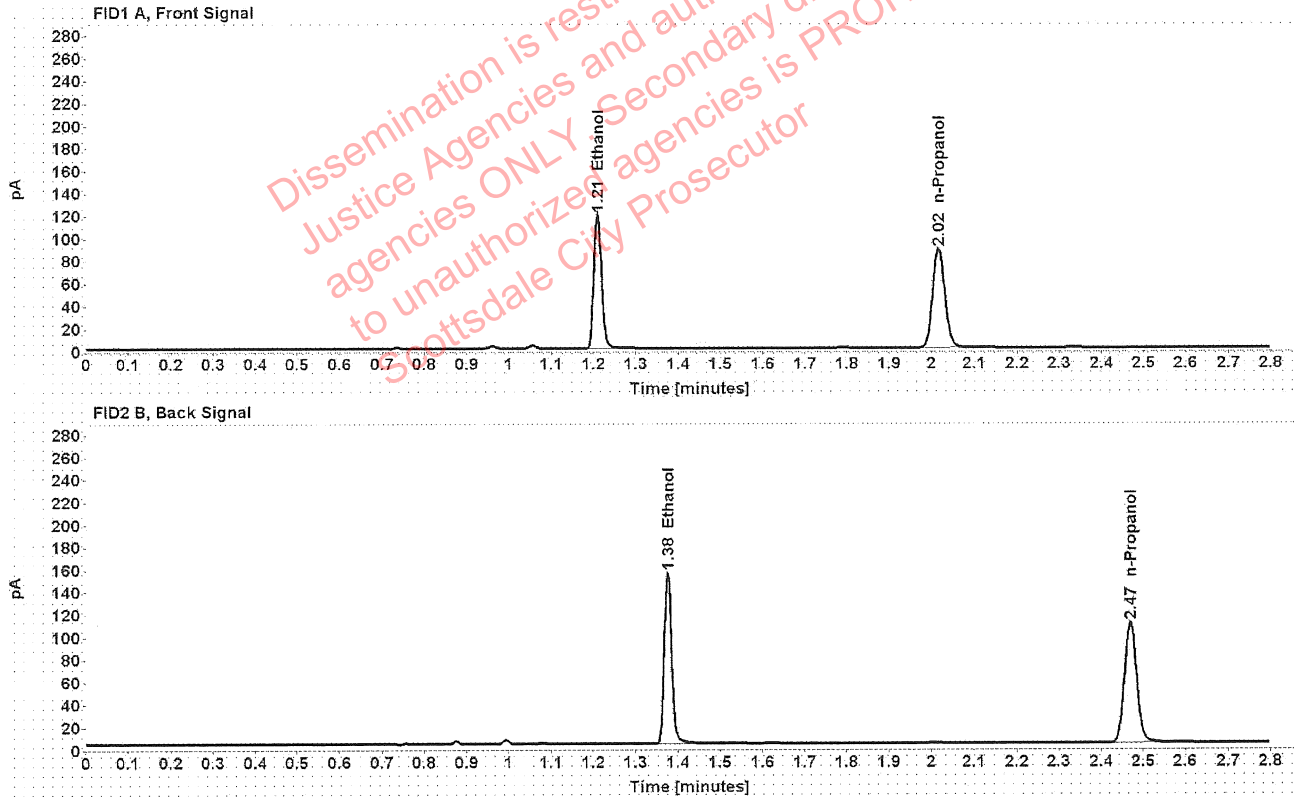


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2354	1.210	151.785
n-Propanol	-----	2.016	176.022

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

Compound	Time (min)	Peak Area
Ethanol	1.376	190.281
n-Propanol	2.469	216.610

**VOID**