

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 03/23/2021 SEQUENCE NAME 23Mar21

**EQUIPMENT**

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

**INSTRUMENT CALIBRATION**

Vial 1 0.02 calibrator Lot FN06141806 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN05311902 0.99993  
 Vial 3 0.20 calibrator Lot FN05101903  
 Vial 4 0.40 calibrator Lot FN10051906

**CALIBRATION VERIFICATION AND RESOLUTION TEST**

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 112420AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.200 g/dL	0.203 g/dL	ACQ 4101018274/9
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
44	Blood control	0.200 g/dL	0.200 g/dL	ACQ 4101018274/9
45	Blank	Not detected	Not detected	SPD lab 111020WB

**SUBJECT SAMPLES**

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

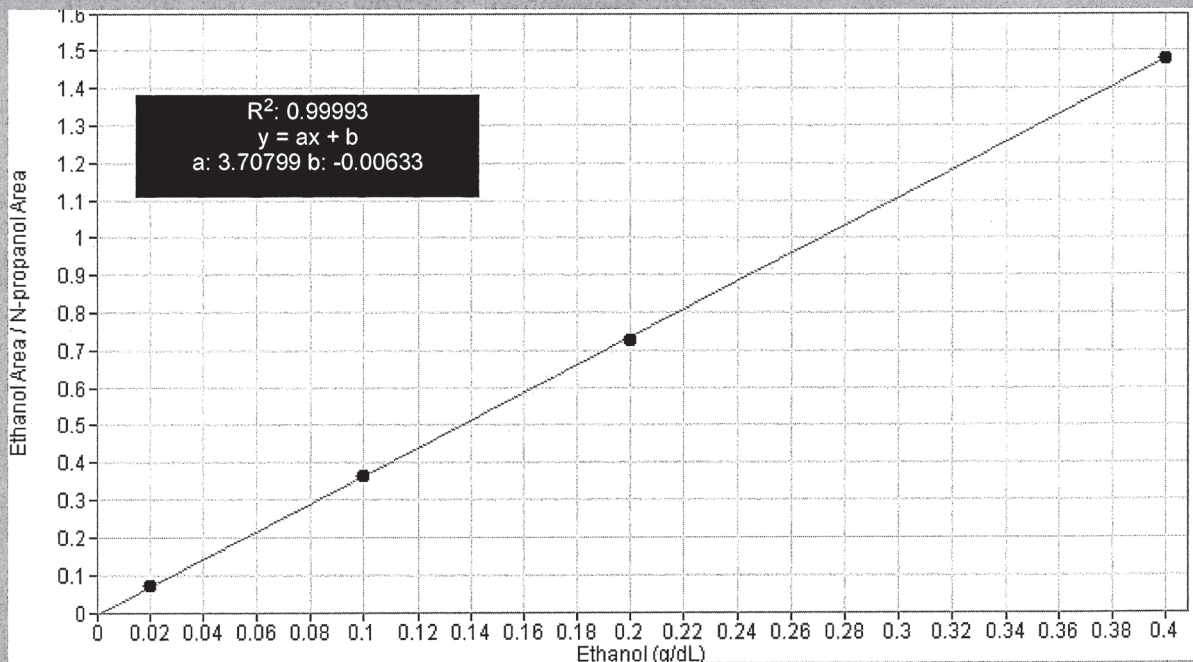
SEQUENCE NAME: 23Mar21

ANALYST: Abbott *Abbott*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 112420AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.200 4101018274/9	9	0.203	0.200	1.50	0.003
0.080 03102016-A/1	20	0.081	0.080	1.25	0.001
0.080 03102016-A/1	31	0.081	0.080	1.25	0.001
0.400 11092018-A	42	0.403	0.400	0.75	0.003
0.040 14082019-B	43	0.041	0.040	2.50	0.001
0.200 4101018274/9	44	0.200	0.200	0.00	0.000
blank 111020WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.729	164.843	0.071
0.100	59.484	162.953	0.365
0.200	119.750	164.464	0.728
0.400	239.382	161.729	1.480

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06141806	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 23Mar21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/23/2021 11:41:43 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\23Mar21\1.D	

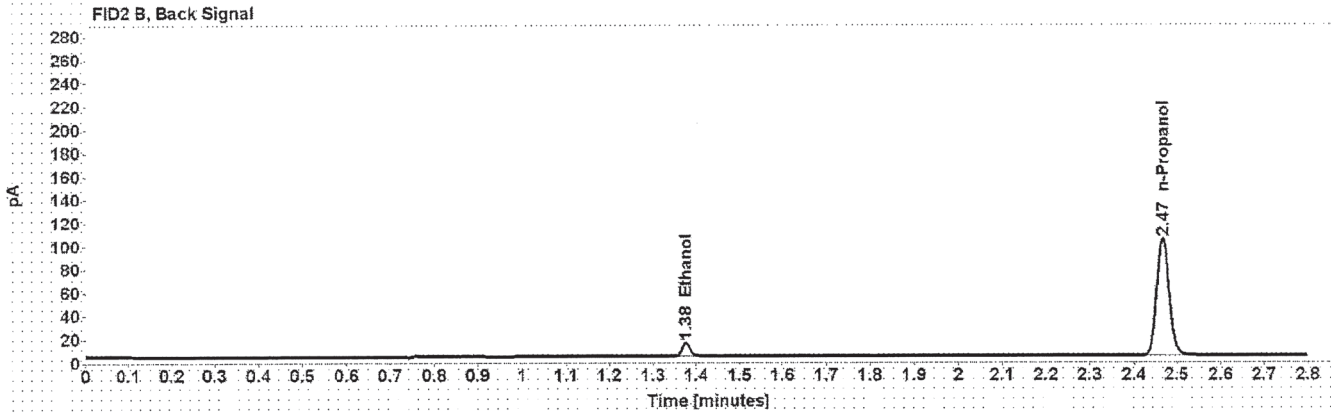
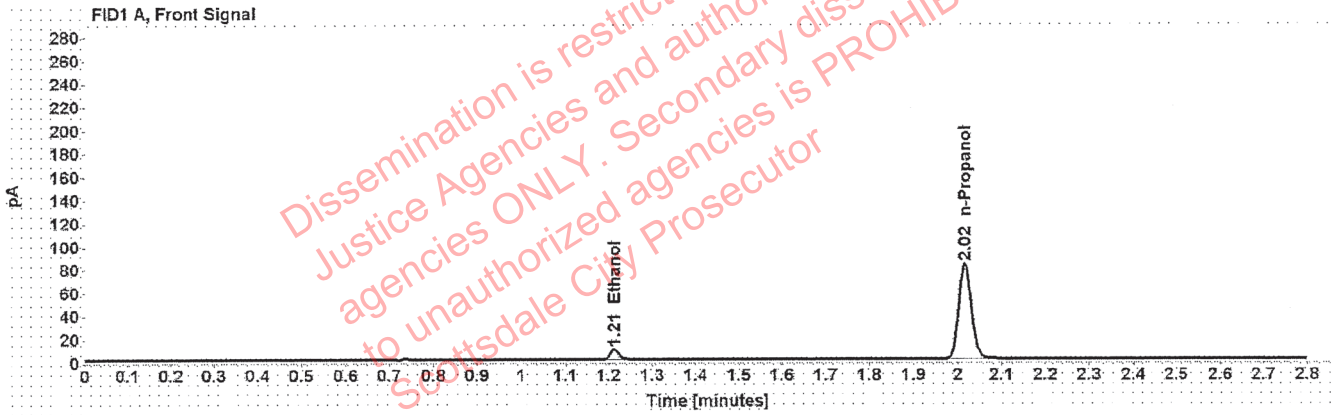


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	11.729
n-Propanol	2.016	164.843

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.628
n-Propanol	2.467	203.721

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05311902	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 23Mar21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/23/2021 11:45:43 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott <i>ph</i>
<b>Data file:</b> C:\Chem32\1\Data\23Mar21\2.D	

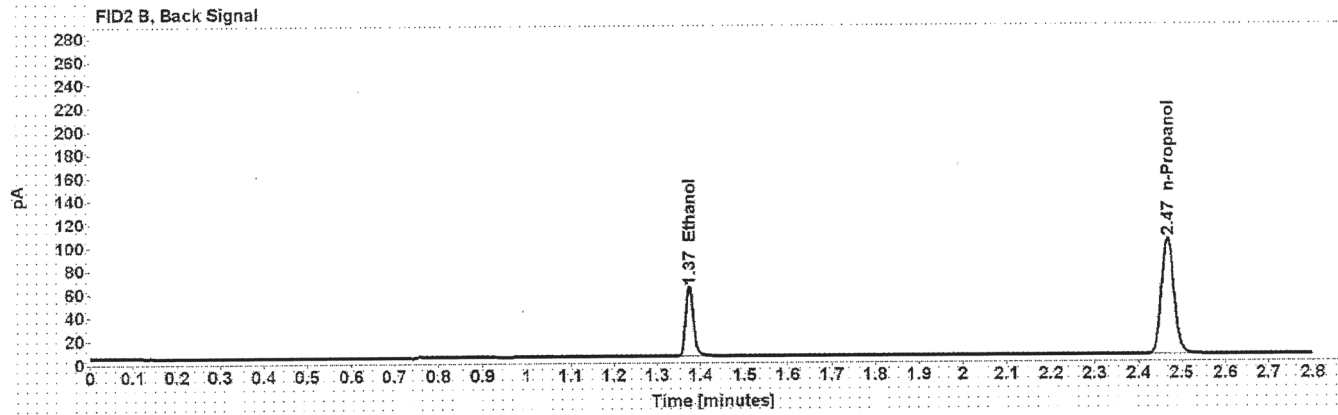
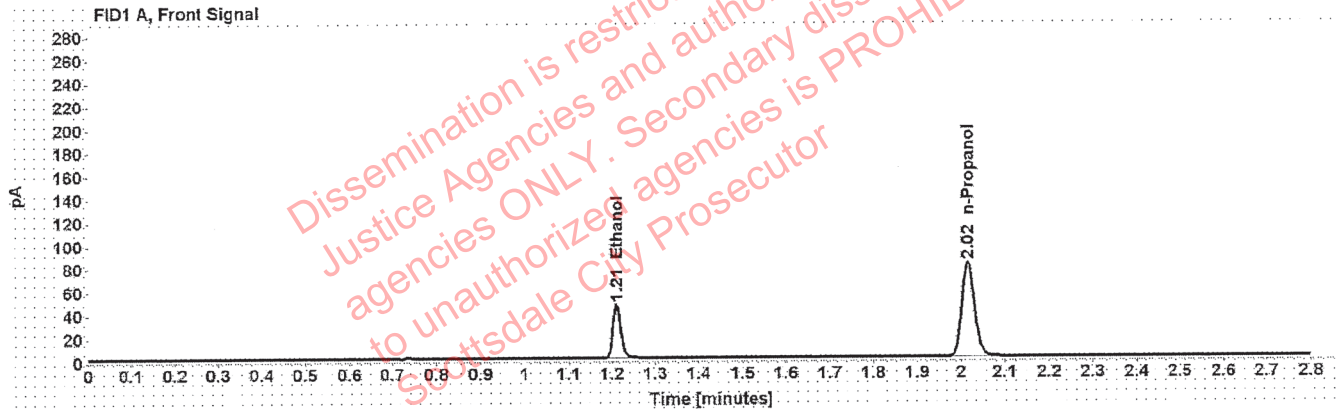


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	59.484
n-Propanol	2.016	162.953

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

Compound	Time (min)	Peak Area
Ethanol	1.374	74.175
n-Propanol	2.467	201.409



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05101903	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 23Mar21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/23/2021 11:49:42 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
<b>Data file:</b> C:\Chem32\1\Data\23Mar21\3.D	

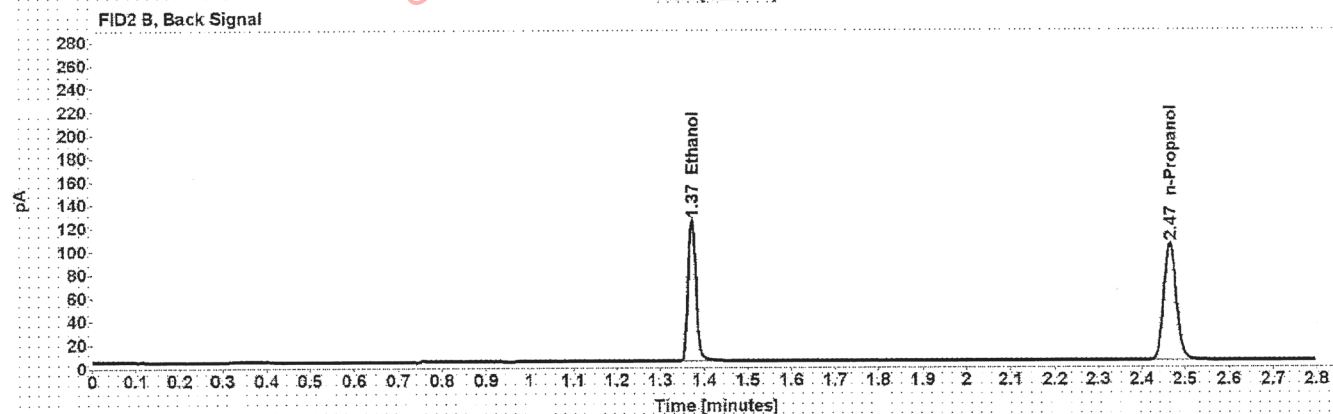
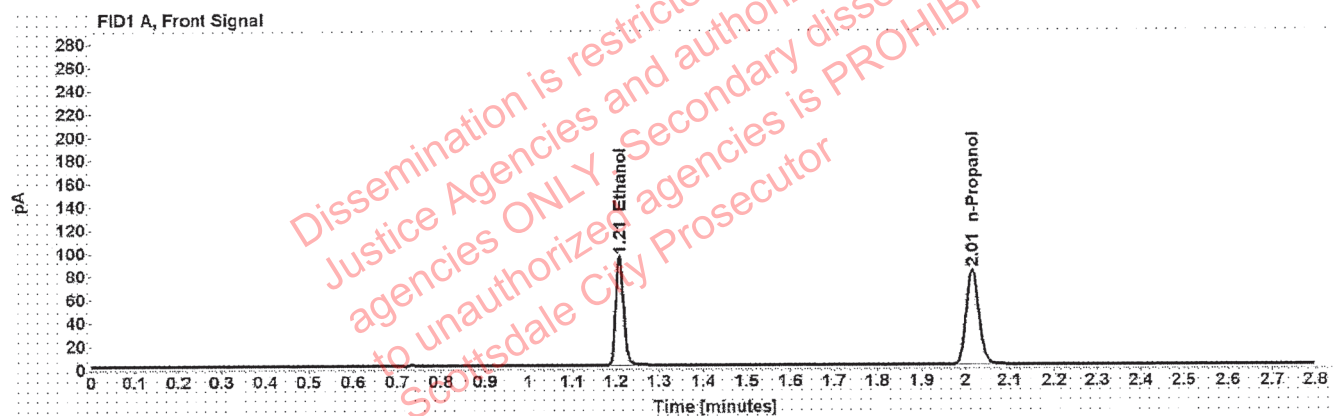


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	119.750
n-Propanol	2.015	164.464

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

Compound	Time (min)	Peak Area
Ethanol	1.371	149.865
n-Propanol	2.465	203.640

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN10051906	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 23Mar21
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 3/23/2021 11:53:42 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Abbott
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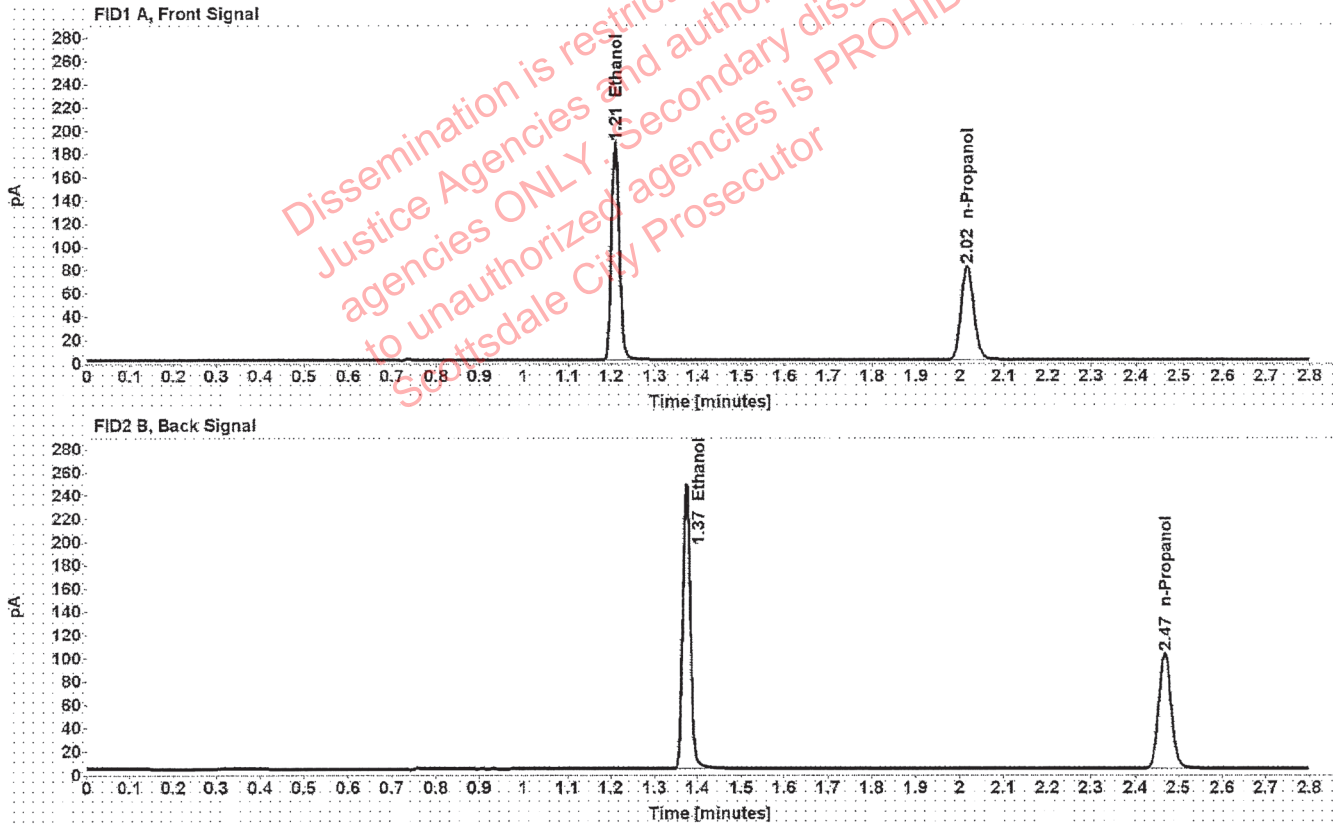


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	239.382
n-Propanol	2.017	161.729

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

Compound	Time (min)	Peak Area
Ethanol	1.374	299.512
n-Propanol	2.468	200.459

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 112420AQ	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 11:57:41 AM
<b>Data file:</b> C:\Chem321\Data\23Mar21\5.D	<b>Analyst:</b> Abbott <span style="float: right;"><i>Abbott</i></span>

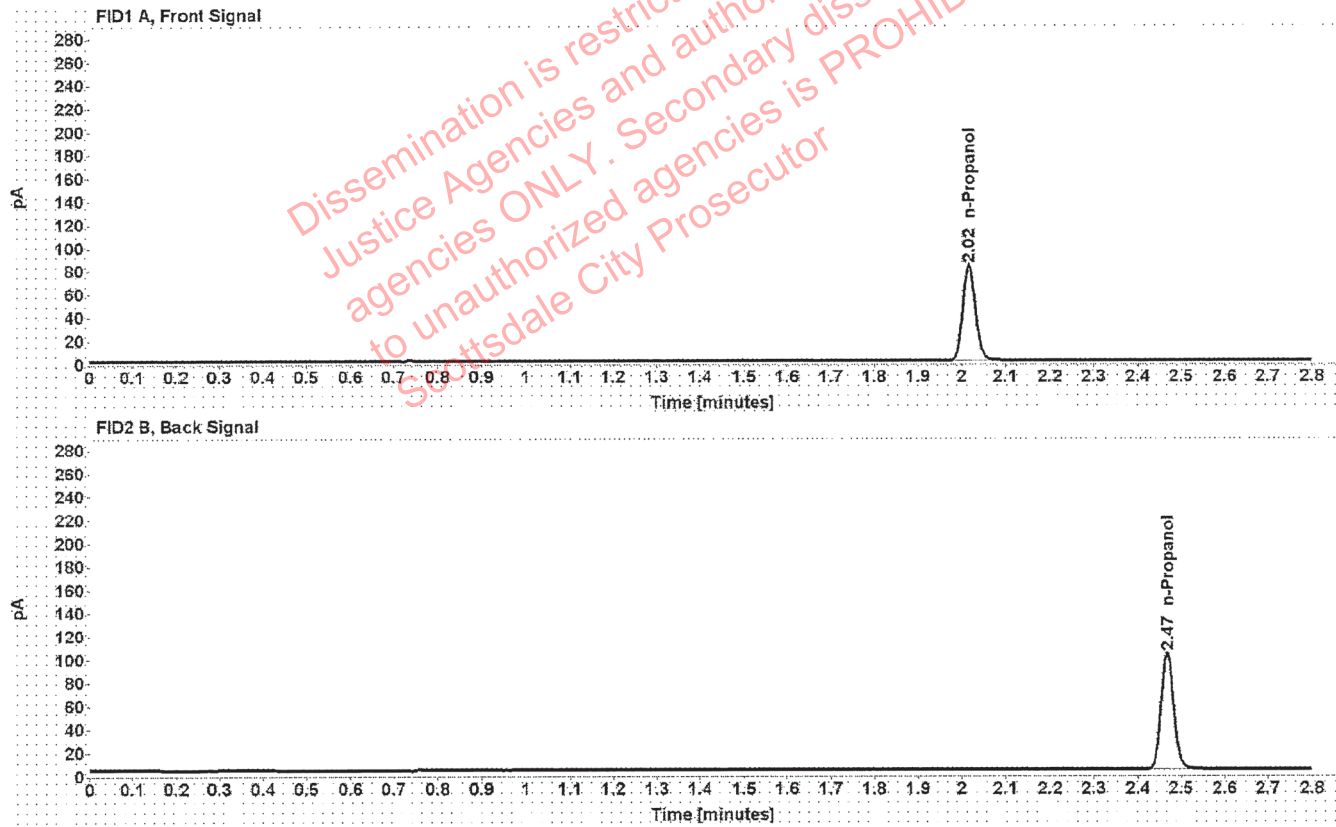


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	164.133

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	202.610

# 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> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 12:01:42 PM
<b>Data file:</b> C:\Chem32\1\Data\23Mar21\6.D	<b>Analyst:</b> Abbott

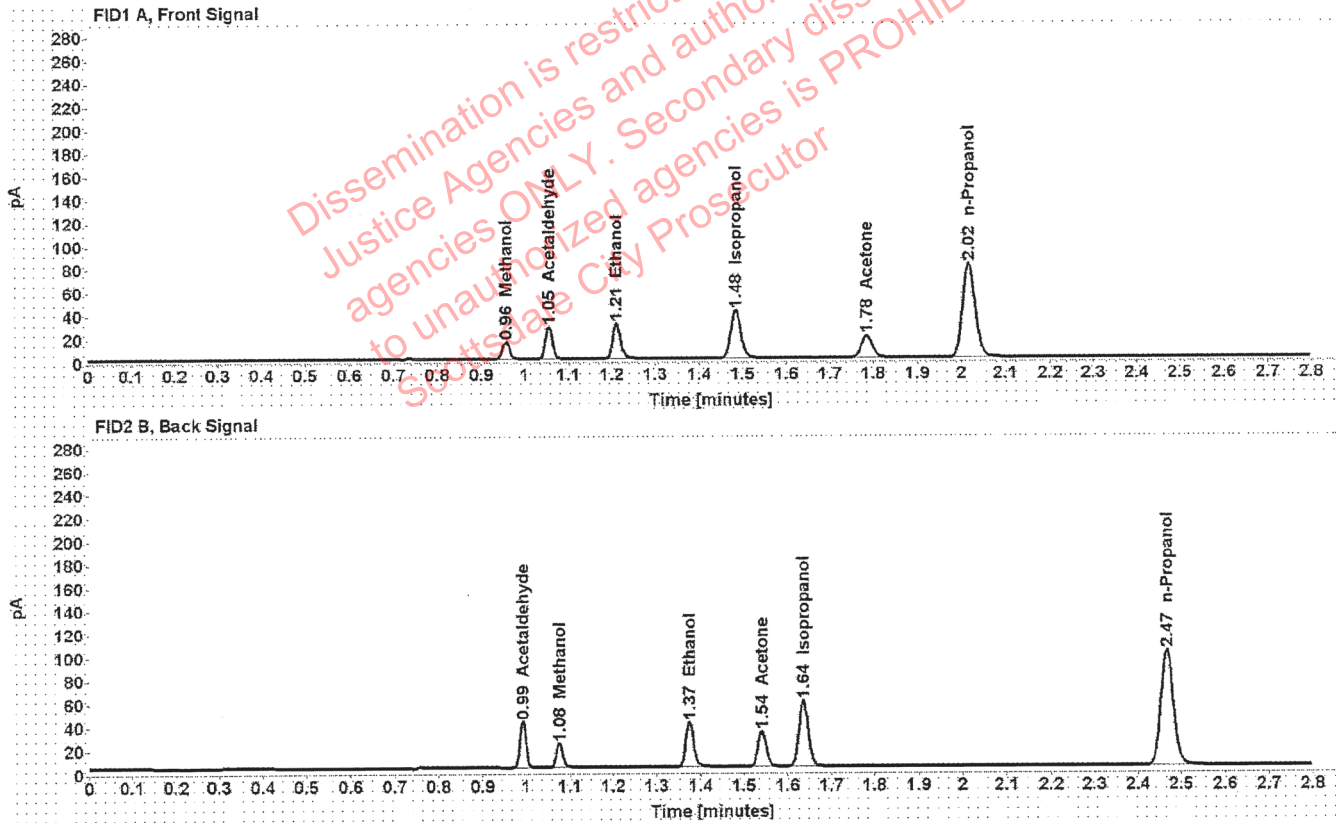


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	17.029
Acetaldehyde	-----	1.055	30.329
>Ethanol	0.0663	1.211	38.844
Isopropanol	-----	1.484	66.417
Acetone	-----	1.785	32.655
n-Propanol	-----	2.016	162.150

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	39.440
Methanol	1.076	21.902
Ethanol	1.374	48.480
Acetone	1.541	40.443
Isopropanol	1.636	84.994
n-Propanol	2.467	200.627



# 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> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 12:05:57 PM
<b>Data file:</b> C:\Chem32\1\Data\23Mar21\7.D	<b>Analyst:</b> Abbott <span style="float: right;"><i>Abbott</i></span>

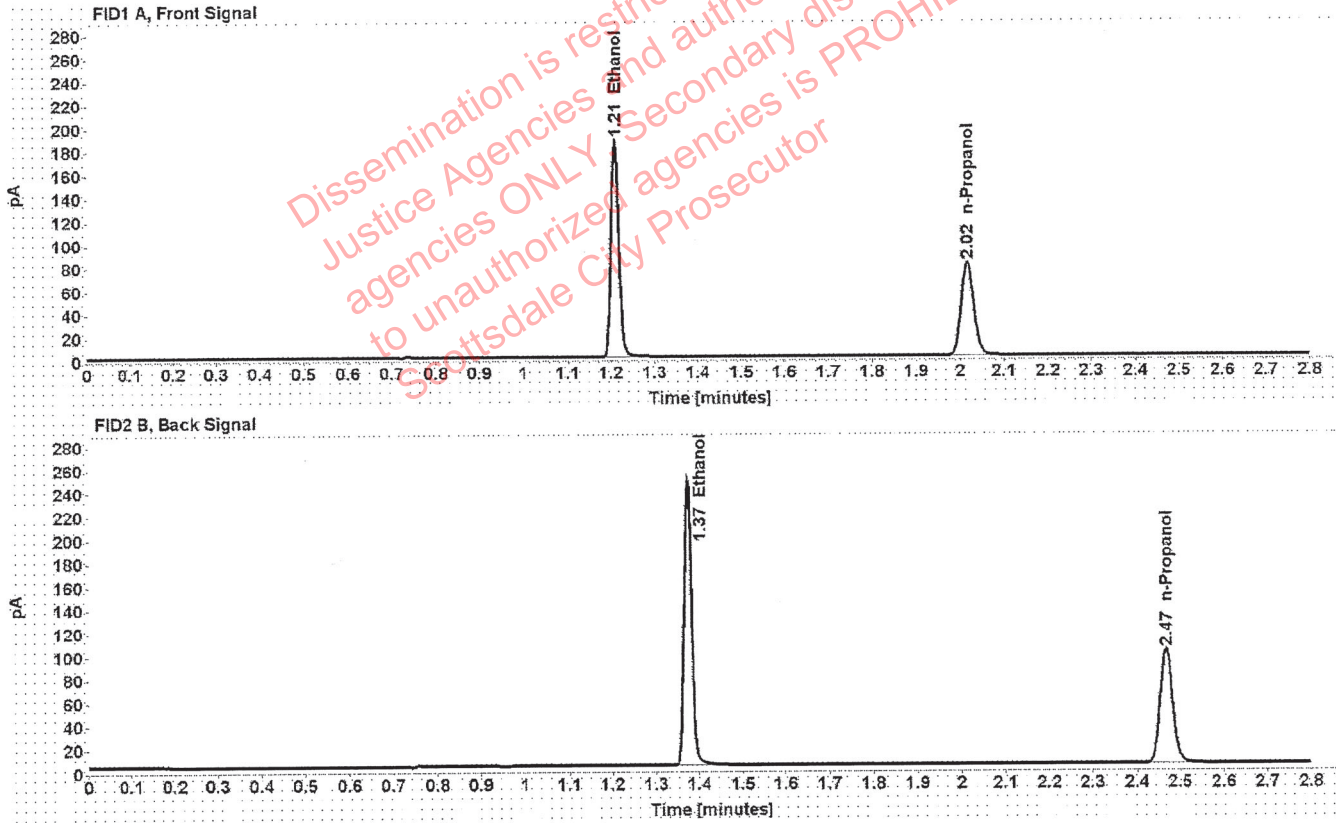


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4023	1.209	239.763
n-Propanol	-----	2.016	161.402

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

Compound	Time (min)	Peak Area
Ethanol	1.373	300.263
n-Propanol	2.467	199.788

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 8
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 12:09:57 PM
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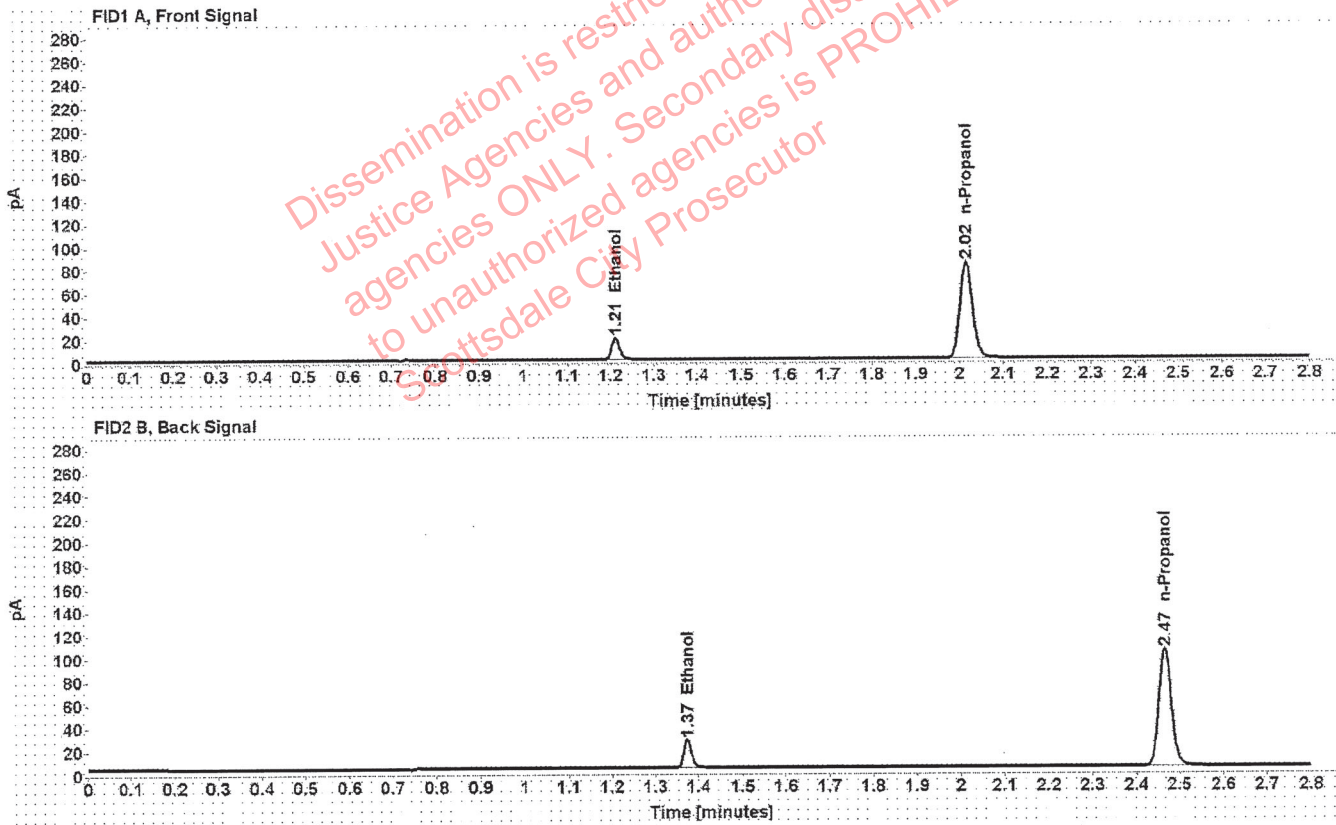


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.211	24.138
n-Propanol	-----	2.015	166.048

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

Compound	Time (min)	Peak Area
Ethanol	1.374	29.980
n-Propanol	2.466	205.134

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4101018274/9	<b>Vial:</b> 9
<b>Description:</b> 0.200	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 12:13:57 PM
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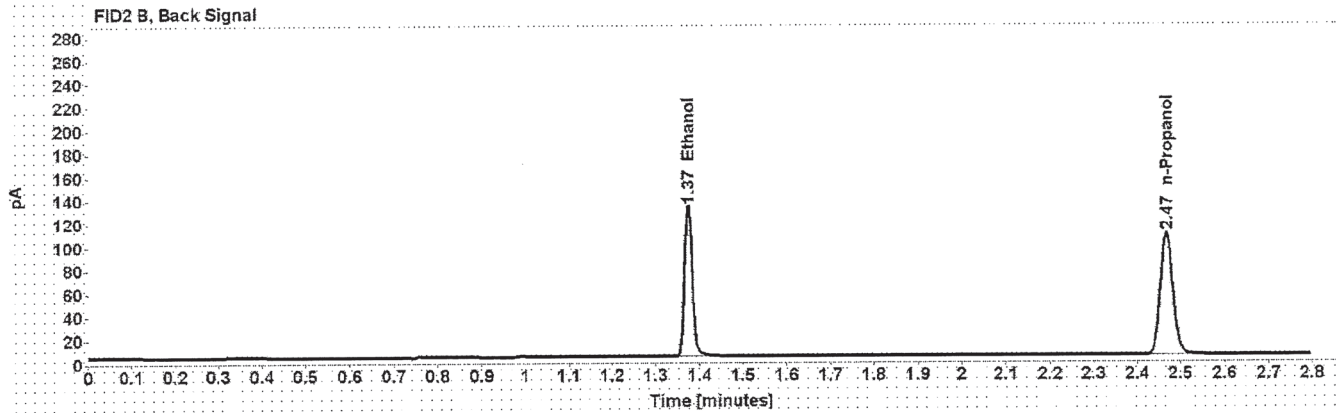
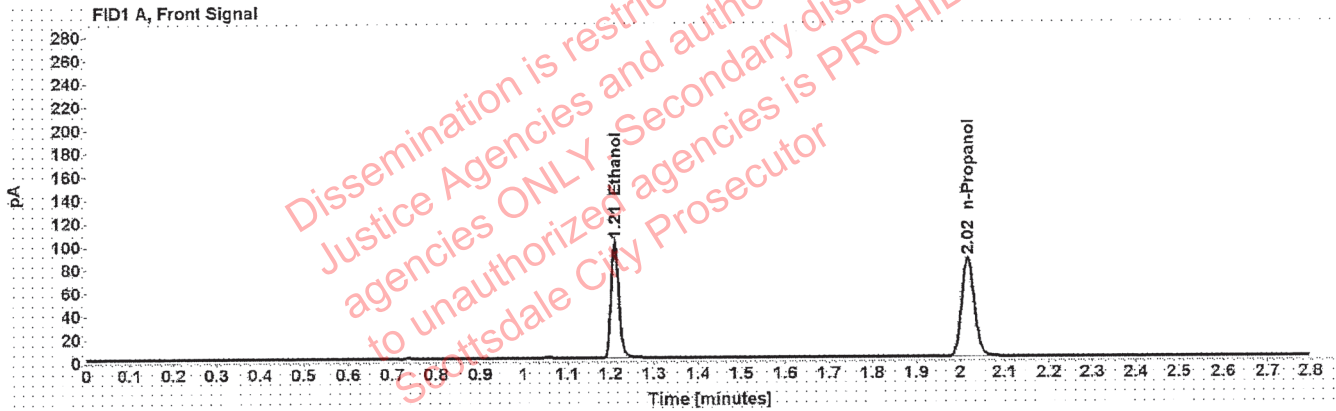


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2033	1.210	128.311
n-Propanol	-----	2.017	171.658

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.093
n-Propanol	2.468	212.257

# 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> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 12:58:27 PM
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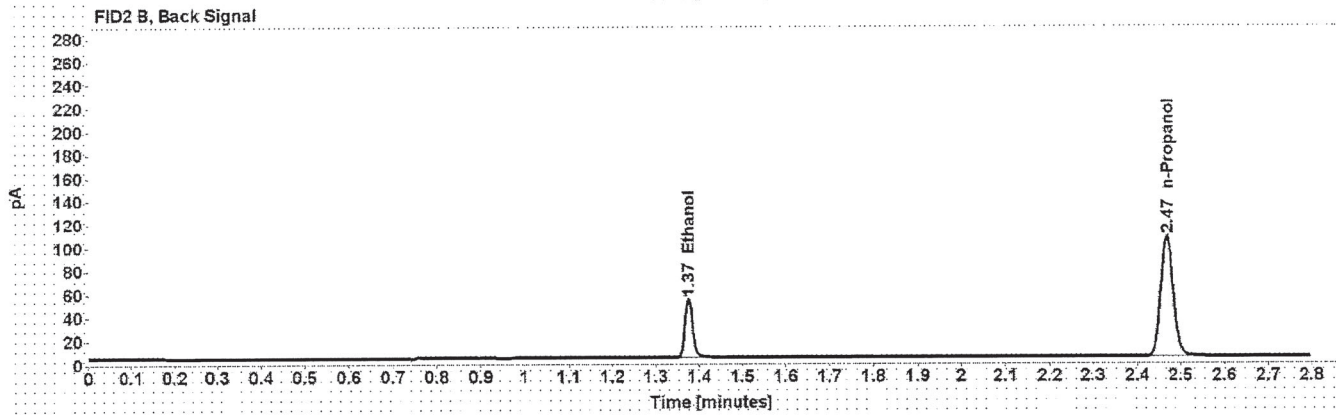
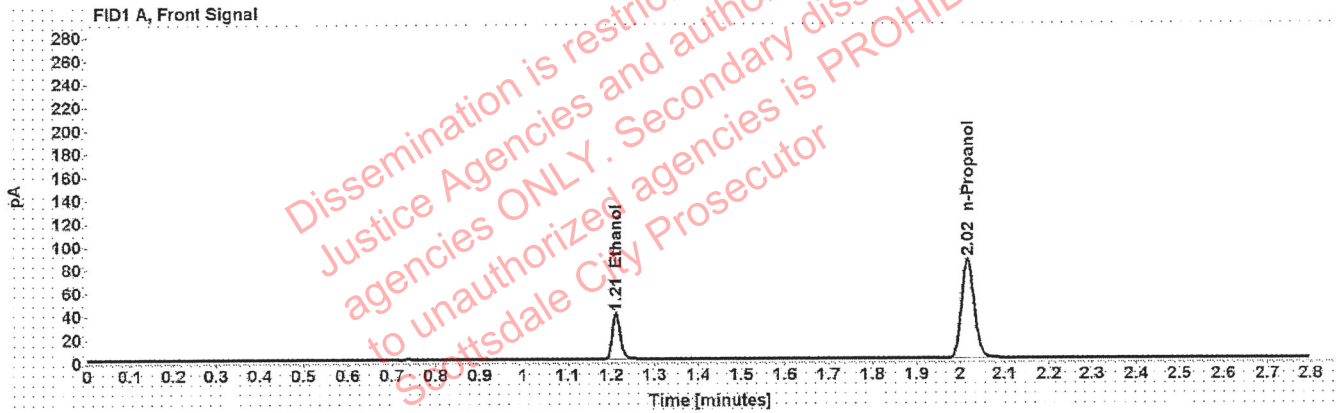


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0816	1.211	50.550
n-Propanol	-----	2.017	170.738

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

Compound	Time (min)	Peak Area
Ethanol	1.375	62.949
n-Propanol	2.468	210.491



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 23Mar21
Instrument: US14173023 CN14160045	Injection date: 3/23/2021 1:42:58 PM
Data file: C:\Chem32\1\Data\23Mar21\31.D	Analyst: Abbott <span style="float: right;">AB</span>

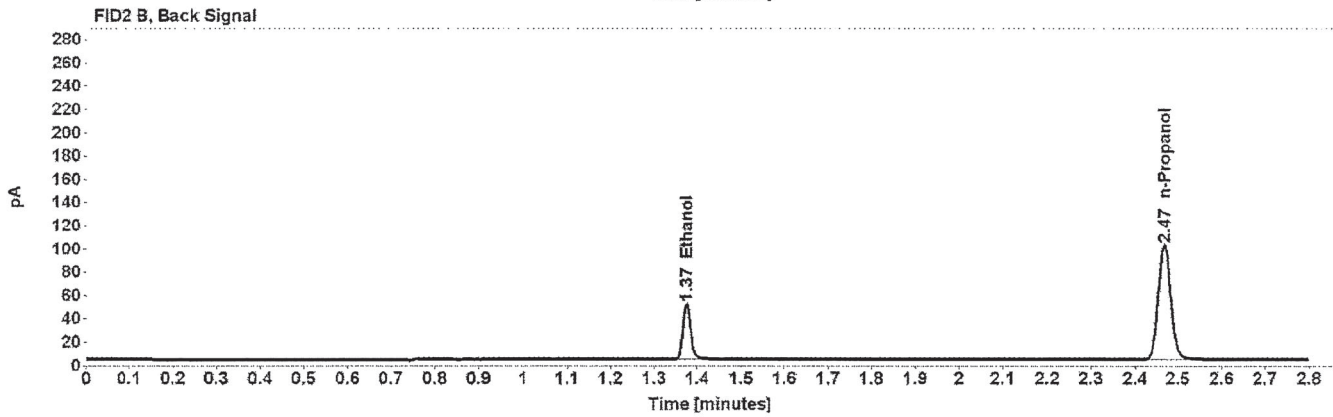
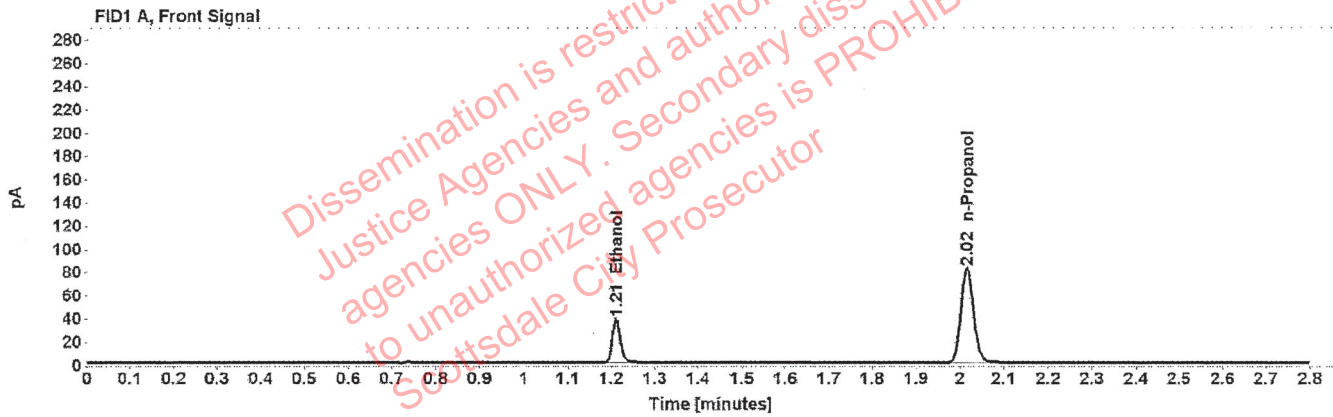


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0812	1.211	48.154
n-Propanol	-----	2.016	163.290

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

Compound	Time (min)	Peak Area
Ethanol	1.375	59.676
n-Propanol	2.468	200.850

# 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> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 2:27:12 PM
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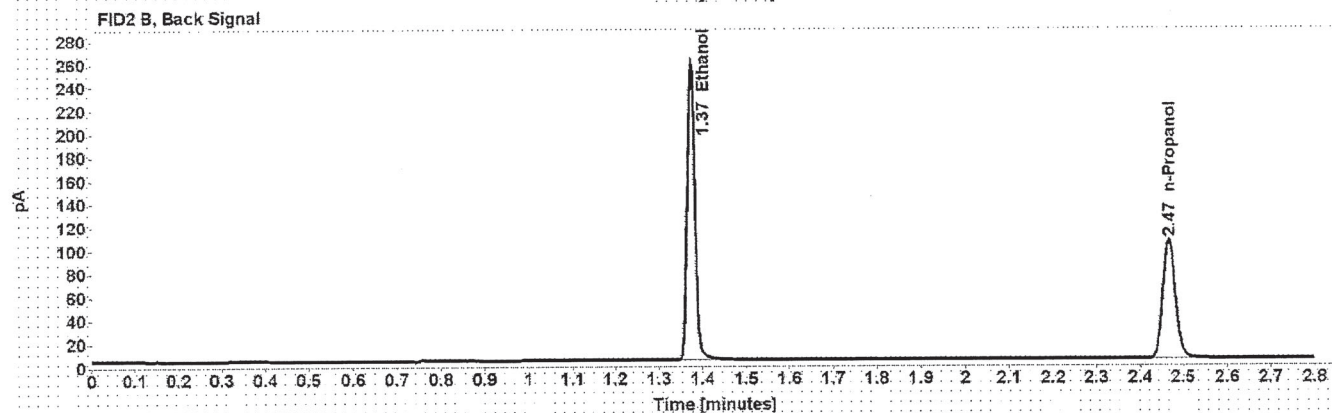
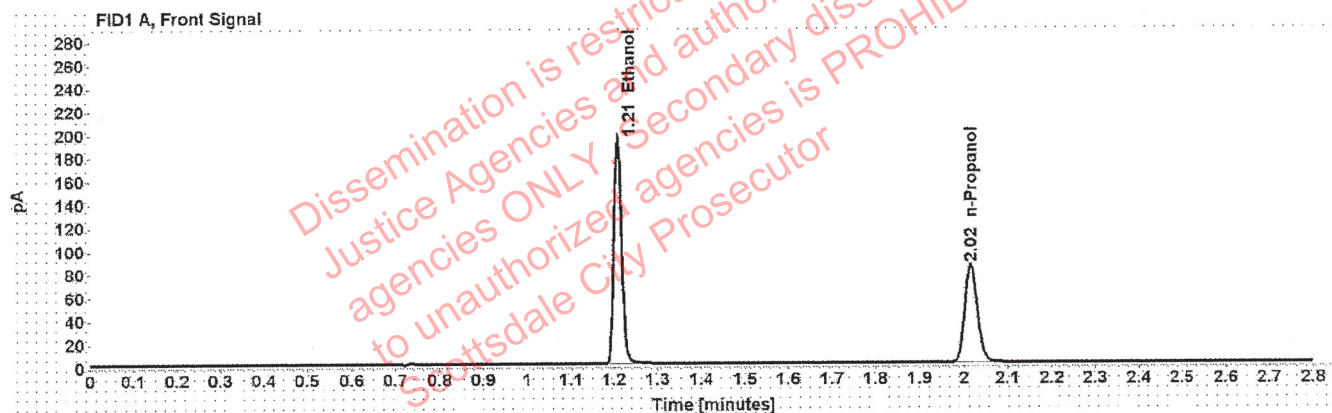


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4032	1.209	250.386
n-Propanol	-----	2.016	168.185

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

Compound	Time (min)	Peak Area
Ethanol	1.373	312.838
n-Propanol	2.467	207.581

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 14082019-B	<b>Vial:</b> 43
<b>Description:</b> 0.040	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 2:31:27 PM
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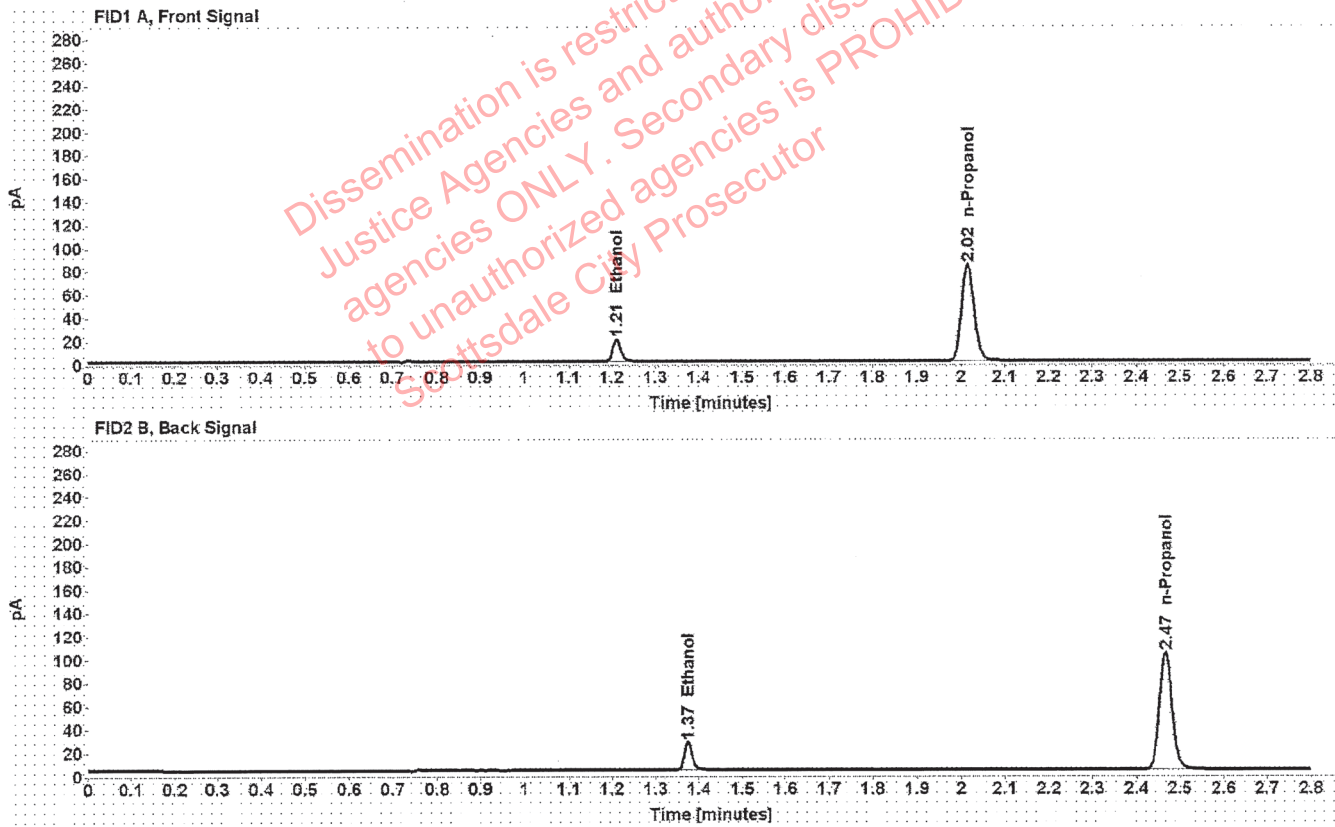


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0413	1.211	24.459
n-Propanol	-----	2.016	166.405

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.196
n-Propanol	2.466	204.810

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 4101018274/9	<b>Vial:</b> 44
<b>Description:</b> 0.200	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 23Mar21
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 3/23/2021 2:35:28 PM
<b>Data file:</b> C:\Chem32\1\Data\23Mar21\44.D	<b>Analyst:</b> Abbott <span style="float: right;">JA</span>

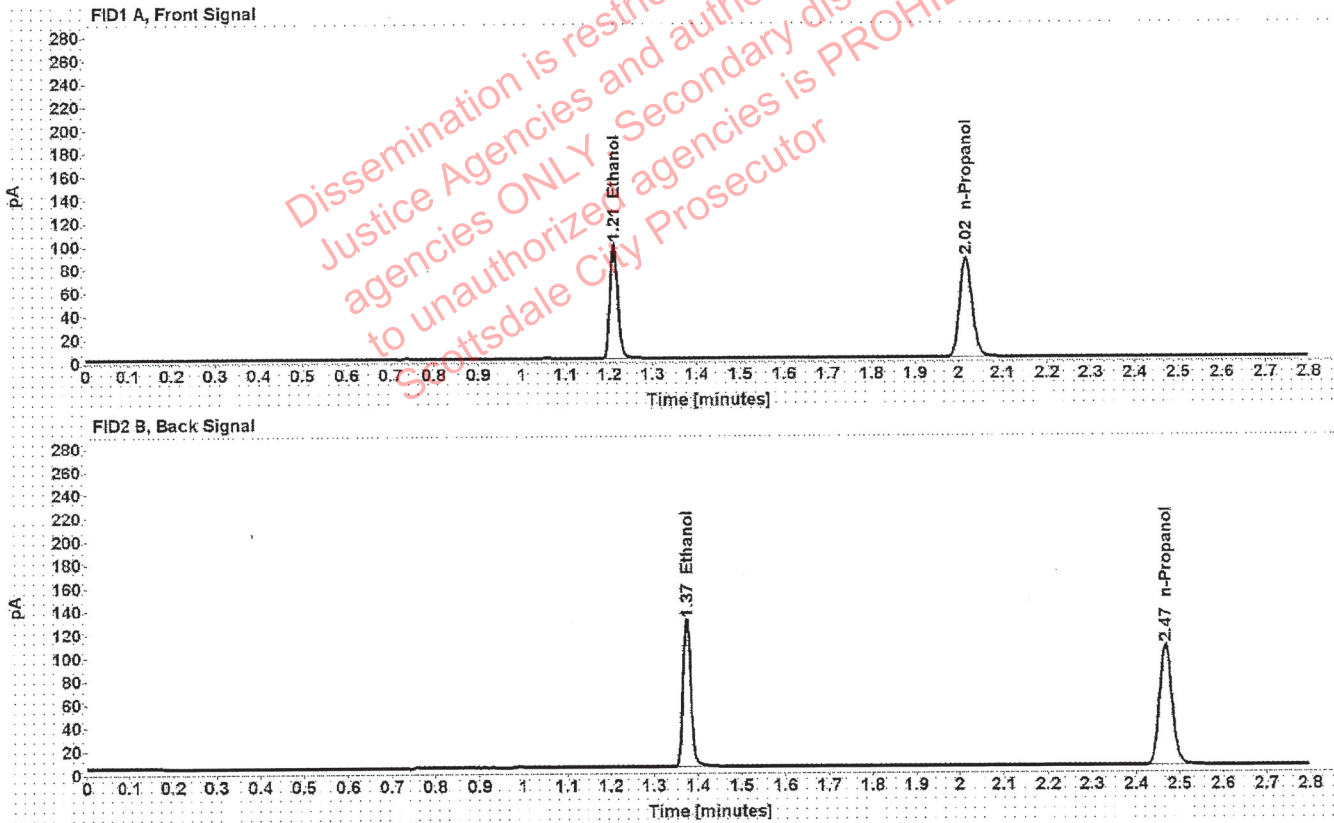


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2009	1.210	126.204
n-Propanol	-----	2.016	170.839

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

Compound	Time (min)	Peak Area
Ethanol	1.374	157.416
n-Propanol	2.468	210.569



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	111020WB	<b>Vial:</b>	45
<b>Description:</b>	Negative	<b>LIMS ID:</b>	
<b>Method:</b>	ethanol quant.M	<b>Sequence:</b>	23Mar21
<b>Instrument:</b>	US14173023 CN14160045	<b>Injection date:</b>	3/23/2021 2:39:27 PM
<b>Data file:</b>	C:\Chem32\1\Data\23Mar21\45.D	<b>Analyst:</b>	Abbott <span style="float: right;">JA</span>

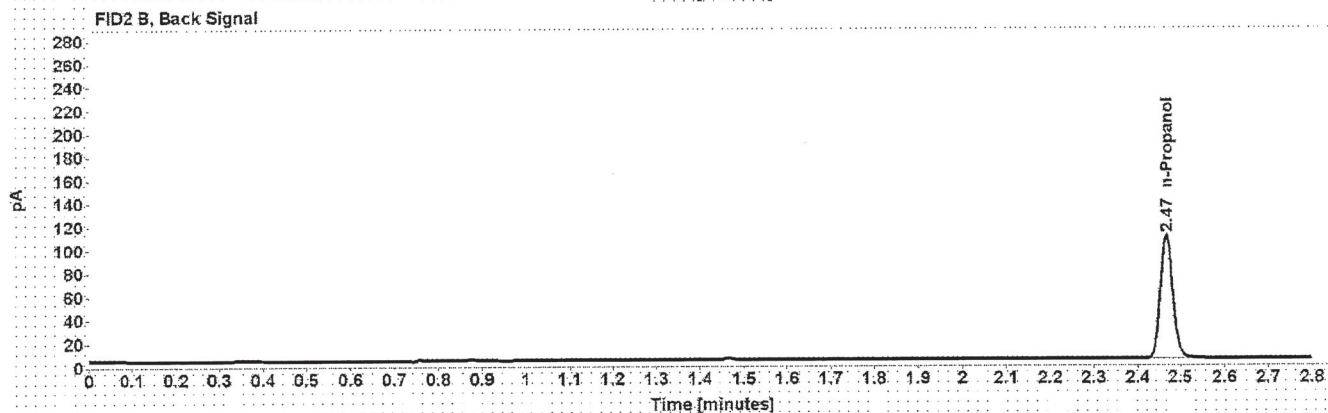


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	174.523

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	215.073

# Sequence Summary

Sequence name: 23Mar21      Instrument: US14173023 CN14160045      Analyst: Abbott

Vial	Sample	Description	Type	LIMS ID	Method
1	FN06141806	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN05101903	0.200 calibrator	Calibration		ethanol quant.M
4	FN10051906	0.400 calibrator	Calibration		ethanol quant.M
5	112420AQ	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	4101018274/9	0.200	Control		ethanol quant.M
10	1363986		Sample		ethanol quant.M
11	1363986		Sample		ethanol quant.M
12	1364352		Sample		ethanol quant.M
13	1364352		Sample		ethanol quant.M
14	1331967		Sample		ethanol quant.M
15	1331967		Sample		ethanol quant.M
16	1364258		Sample		ethanol quant.M
17	1364258		Sample		ethanol quant.M
18	1362249		Sample		ethanol quant.M
19	1362249		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1363863		Sample		ethanol quant.M
22	1363863		Sample		ethanol quant.M
23	1364198		Sample		ethanol quant.M
24	1364198		Sample		ethanol quant.M
25	1364626		Sample		ethanol quant.M
26	1364626		Sample		ethanol quant.M
27	1362966		Sample		ethanol quant.M
28	1362966		Sample		ethanol quant.M
29	1362812		Sample		ethanol quant.M
30	1362812		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1363235		Sample		ethanol quant.M
33	1363235		Sample		ethanol quant.M
34	1364731		Sample		ethanol quant.M
35	1364731		Sample		ethanol quant.M
36	1361931		Sample		ethanol quant.M
37	1361931		Sample		ethanol quant.M
38	1364515		Sample		ethanol quant.M
39	1364515		Sample		ethanol quant.M
40	1365037		Sample		ethanol quant.M
41	1365037		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	4101018274/9	0.200	Control		ethanol quant.M
45	111020WB	Negative	Control		ethanol quant.M

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# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 23Mar21

ANALYST: Abbott 

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0636	0.0641	0.06385	0.39	0.00025
12 13	0.0403	0.0408	0.04055	0.62	0.00025
14 15	0.0000	0.0000	0.00000	0.00	0.00000
16 17	0.2615	0.2622	0.26185	0.13	0.00035
18 19	0.0601	0.0596	0.05985	0.42	0.00025
21 22	0.1098	0.1095	0.10965	0.14	0.00015
23 24	0.2354	0.2344	0.23490	0.21	0.00050
25 26	0.1646	0.1656	0.16510	0.30	0.00050
27 28	0.1483	0.1474	0.14785	0.30	0.00045
29 30	0.1844	0.1838	0.18410	0.16	0.00030
32 33	0.1509	0.1524	0.15165	0.49	0.00075
34 35	0.0000	0.0000	0.00000	0.00	0.00000
36 37	0.2368	0.2366	0.23670	0.04	0.00010
38 39	0.1121	0.1127	0.11240	0.27	0.00030
40 41	0.1959	0.1994	0.19765	0.89	0.00175

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

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### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363986	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:17:57 PM
Data file:	C:\Chem32\1\Data\23Mar21\10.D	Analyst:	Abbott

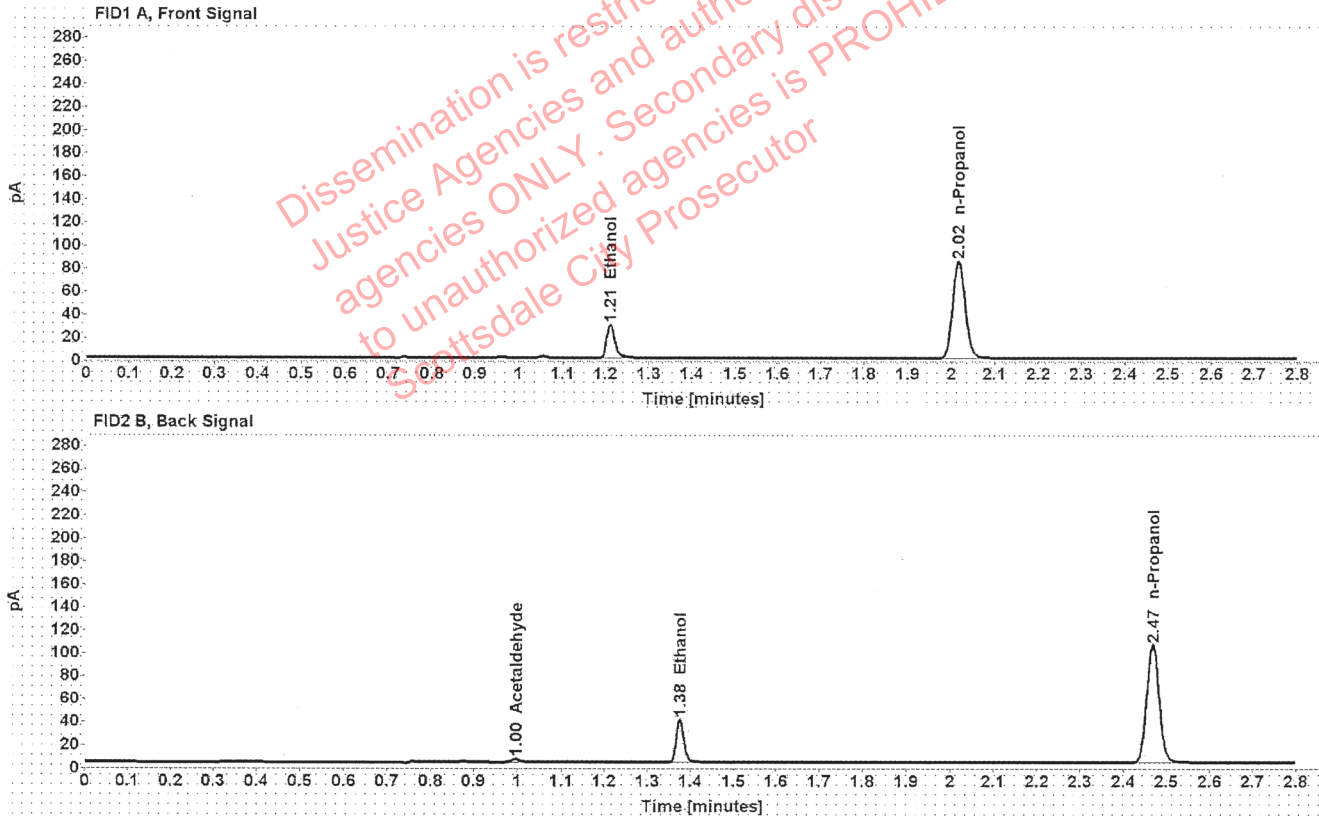


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0636	1.211	38.773
n-Propanol	-----	2.017	169.049

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.996	3.825
Ethanol	1.375	46.403
n-Propanol	2.468	208.669

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363986	Vial:	11
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:21:59 PM
Data file:	C:\Chem32\1\Data\23Mar21\11.D	Analyst:	Abbott

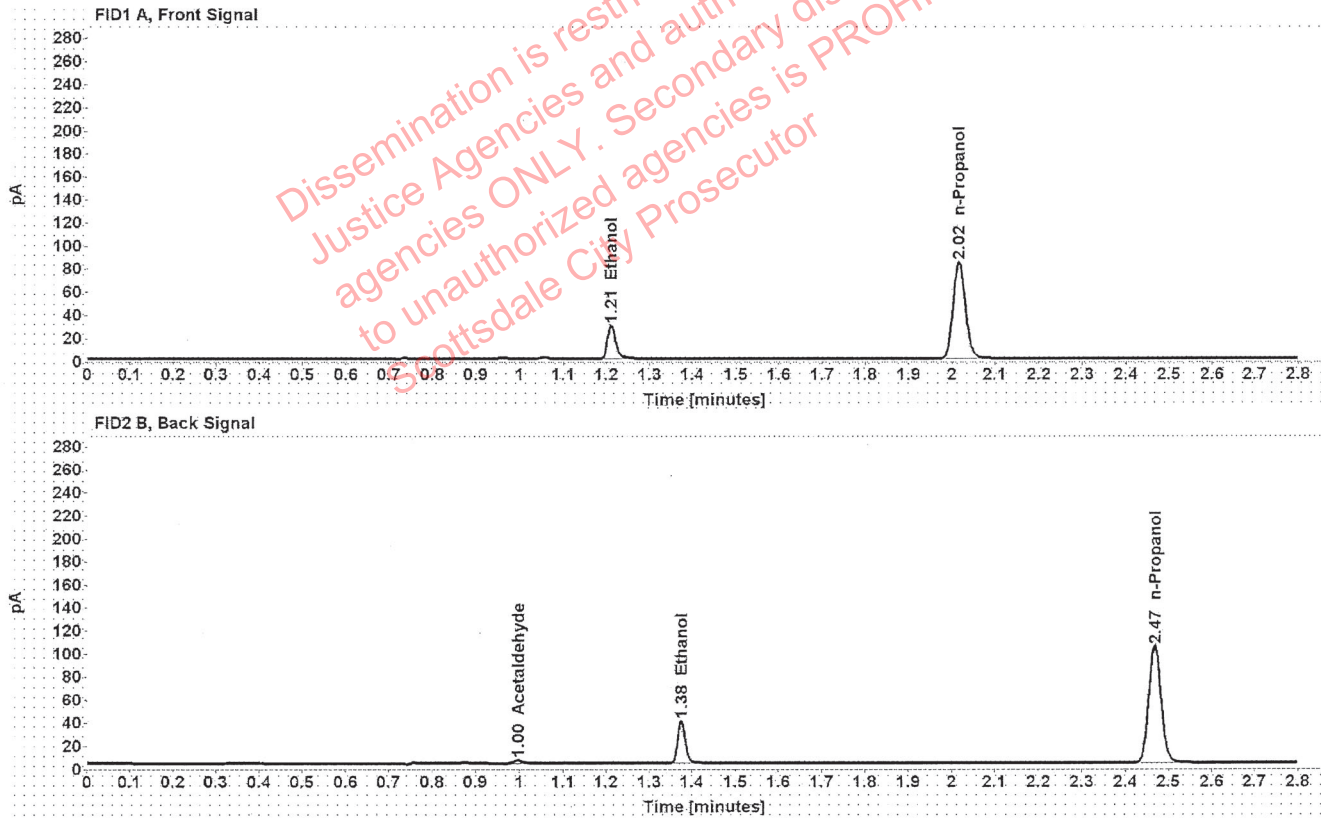


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0641	1.211	38.586
n-Propanol	-----	2.017	166.705

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.997	3.813
Ethanol	1.375	46.117
n-Propanol	2.468	205.735

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364352	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:25:57 PM
Data file:	C:\Chem32\1\Data\23Mar21\12.D	Analyst:	Abbott

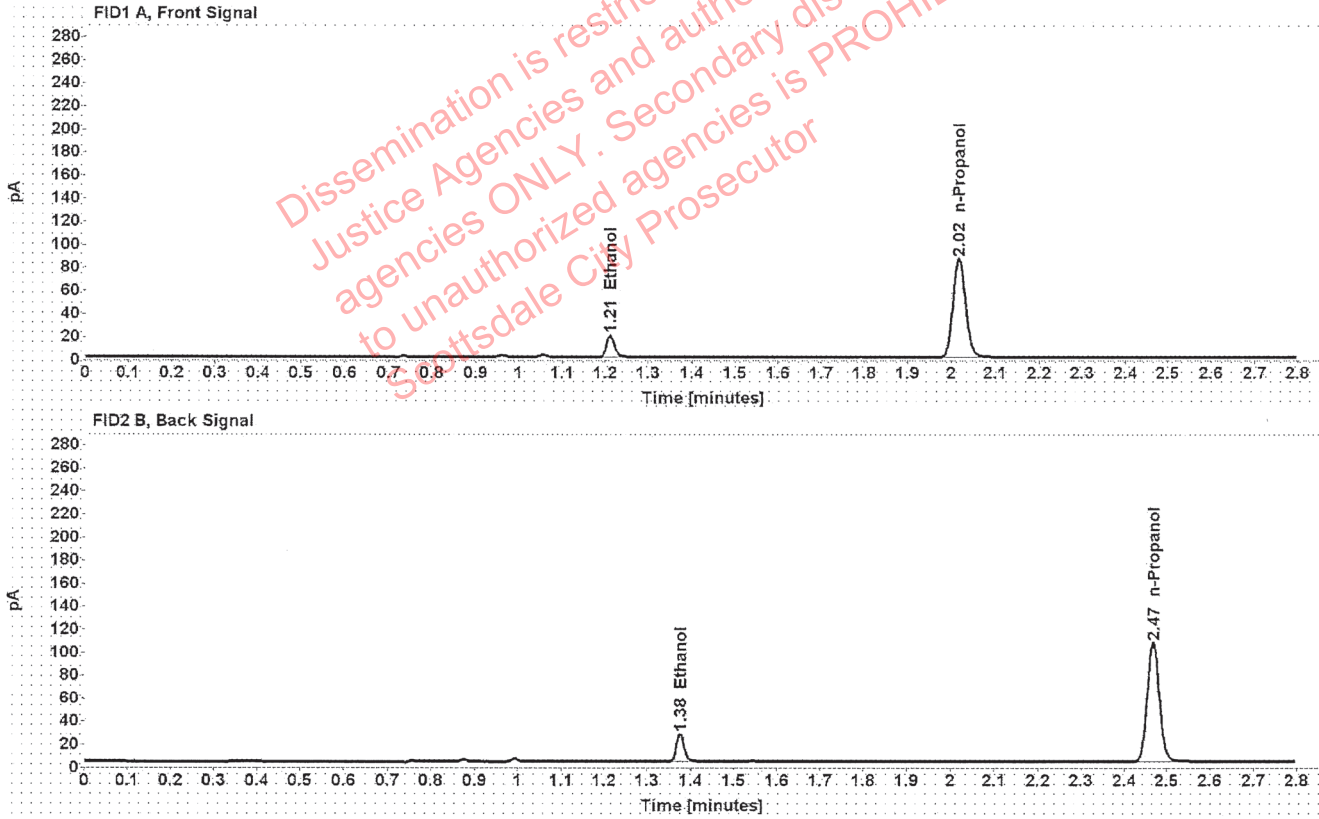


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0403	1.212	24.409
n-Propanol	-----	2.017	170.470

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

Compound	Time (min)	Peak Area
Ethanol	1.376	30.681
n-Propanol	2.468	210.775

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364352	Vial:	13
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:30:13 PM
Data file:	C:\Chem32\1\Data\23Mar21\13.D	Analyst:	Abbott

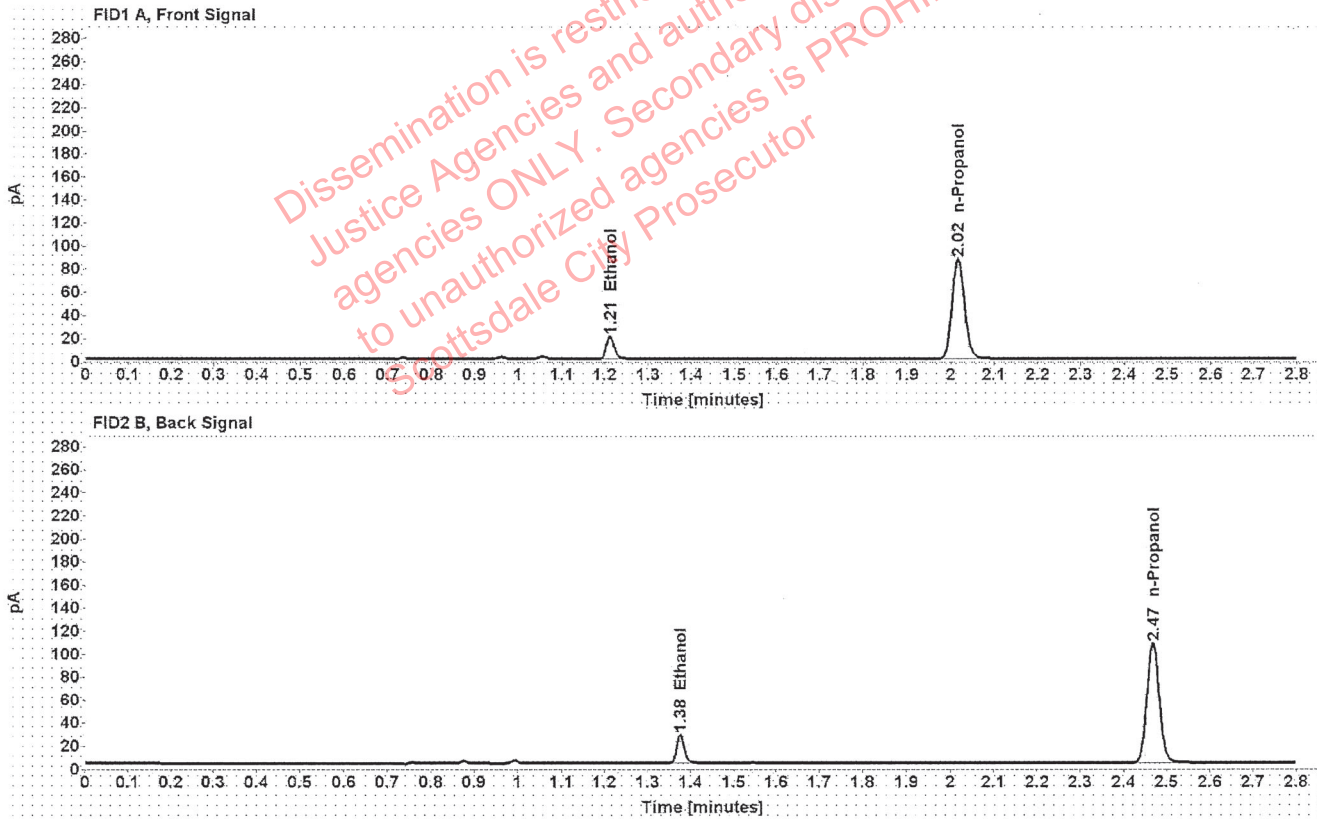


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0408	1.212	24.926
n-Propanol	-----	2.017	171.754

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

Compound	Time (min)	Peak Area
Ethanol	1.376	31.233
n-Propanol	2.468	212.120

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331967	Vial:	14
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:34:12 PM
Data file:	C:\Chem32\1\Data\23Mar21\14.D	Analyst:	Abbott

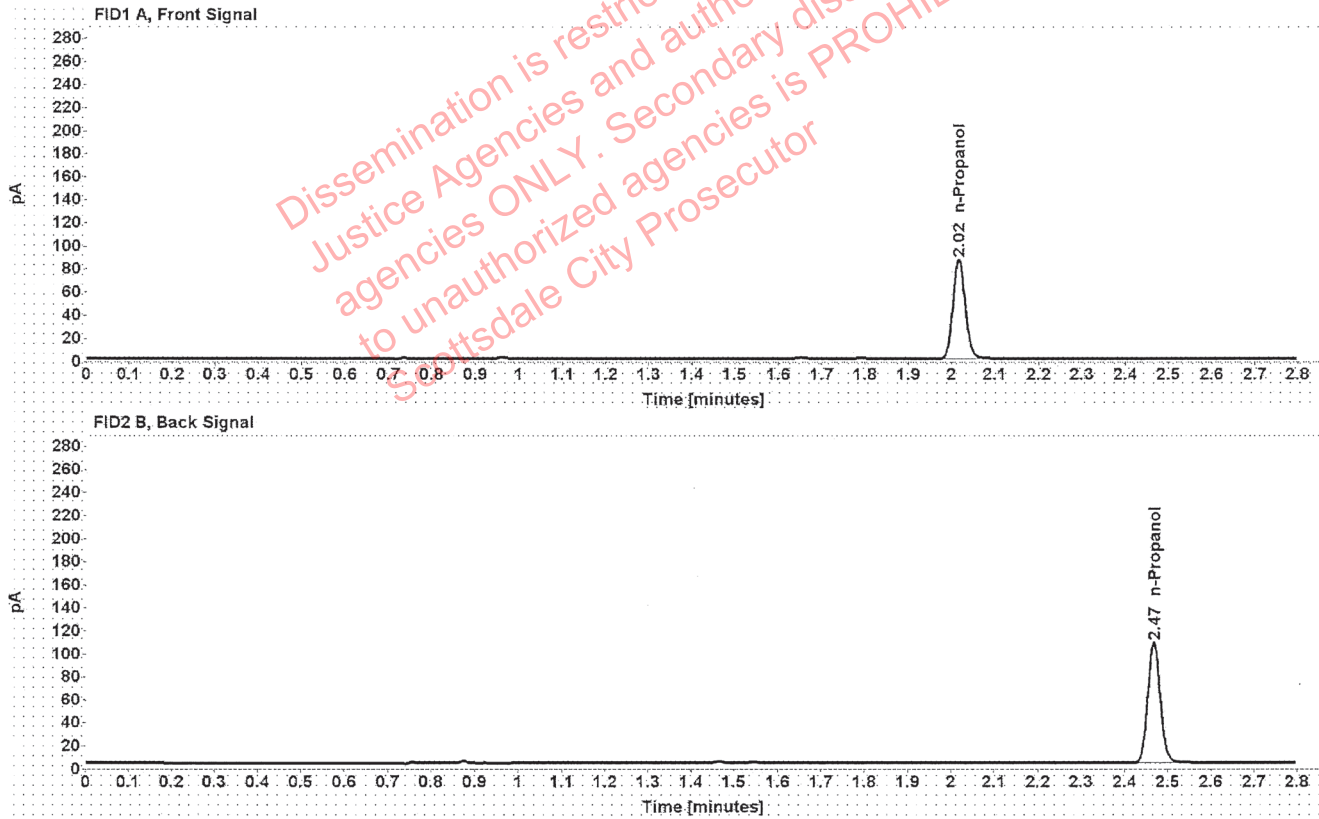


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	172.321

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	212.472



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1331967	Vial:	15
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:38:13 PM
Data file:	C:\Chem32\1\Data\23Mar21\15.D	Analyst:	Abbott

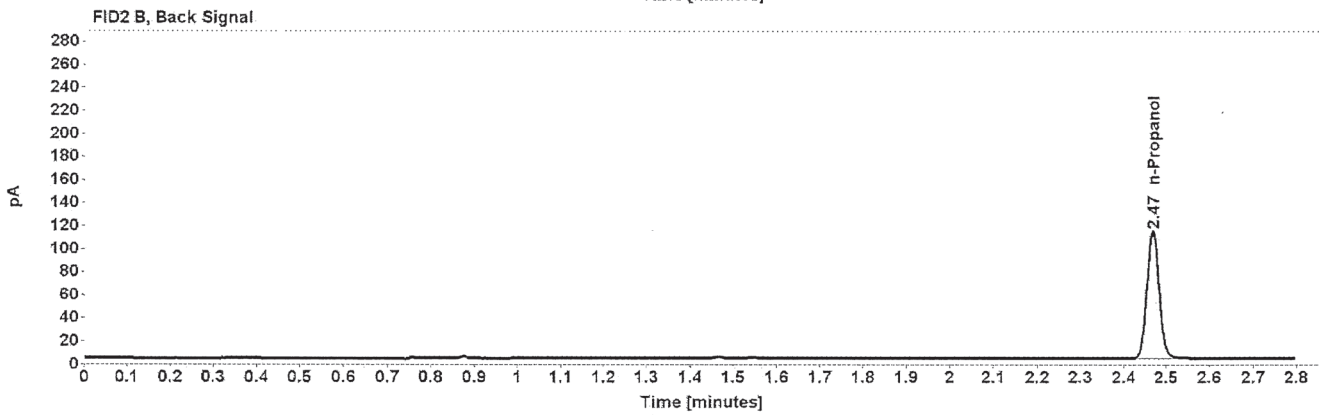
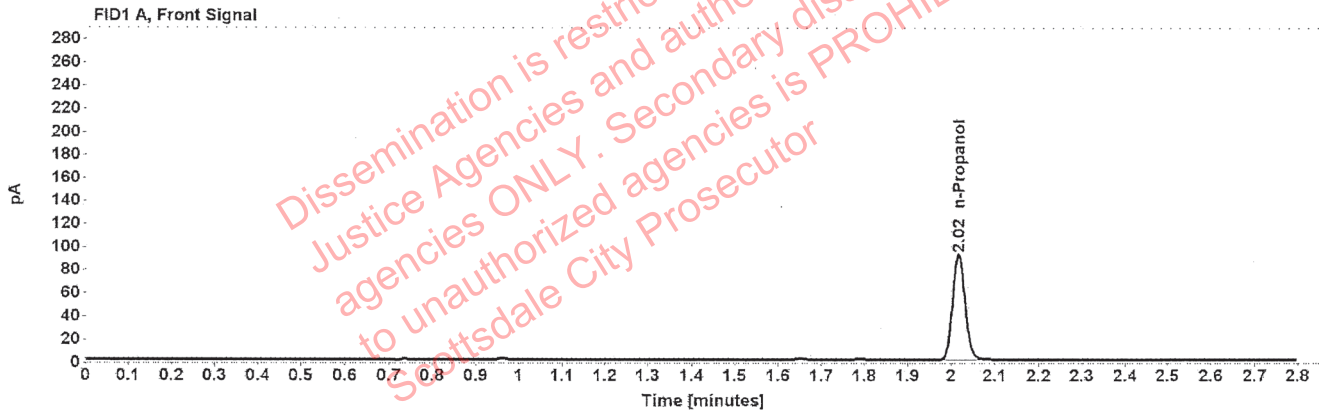


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	182.036

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	224.711

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364258	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:42:11 PM
Data file:	C:\Chem32\1\Data\23Mar21\16.D	Analyst:	Abbott

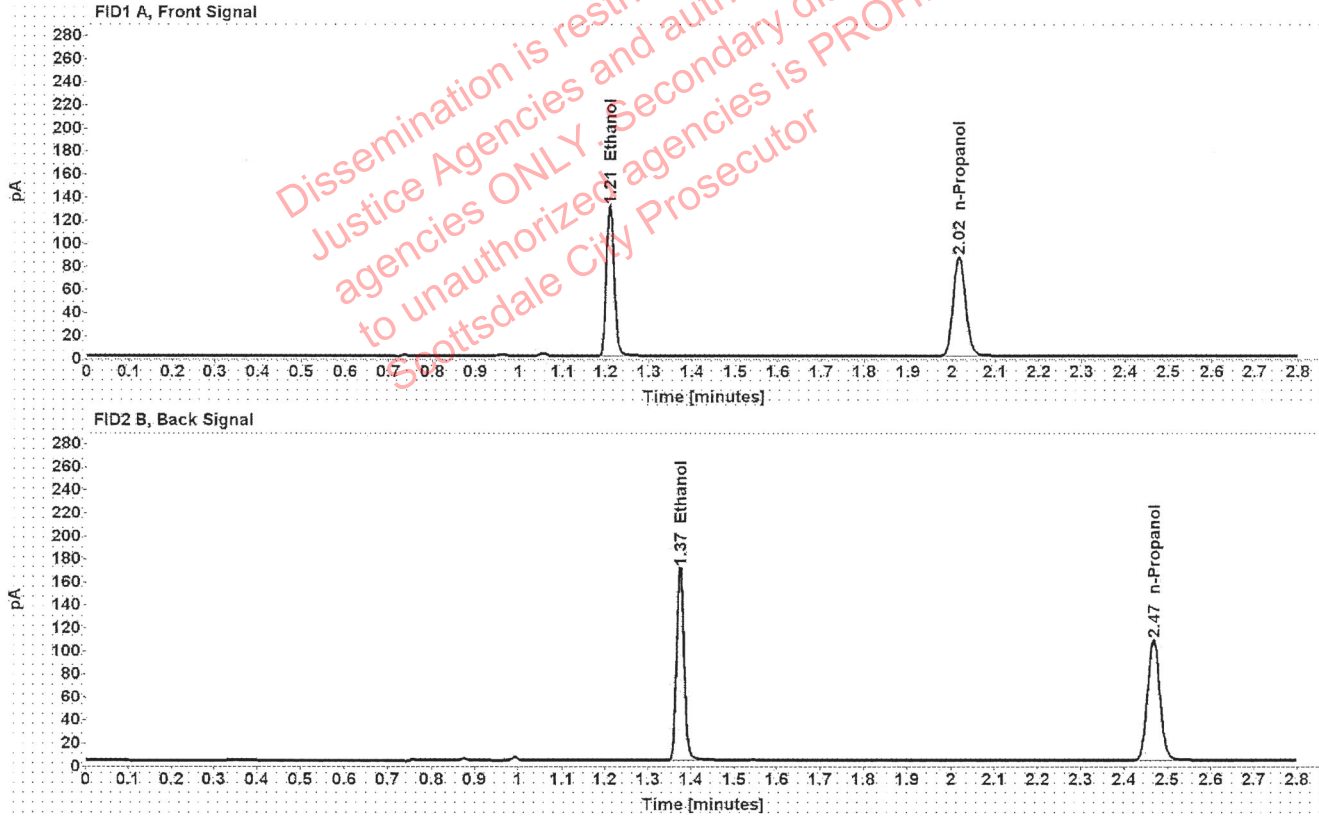


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2615	1.210	165.972
n-Propanol	-----	2.017	172.311

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

Compound	Time (min)	Peak Area
Ethanol	1.374	207.128
n-Propanol	2.468	212.172

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364258	Vial:	17
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:46:12 PM
Data file:	C:\Chem32\1\Data\23Mar21\17.D	Analyst:	Abbott

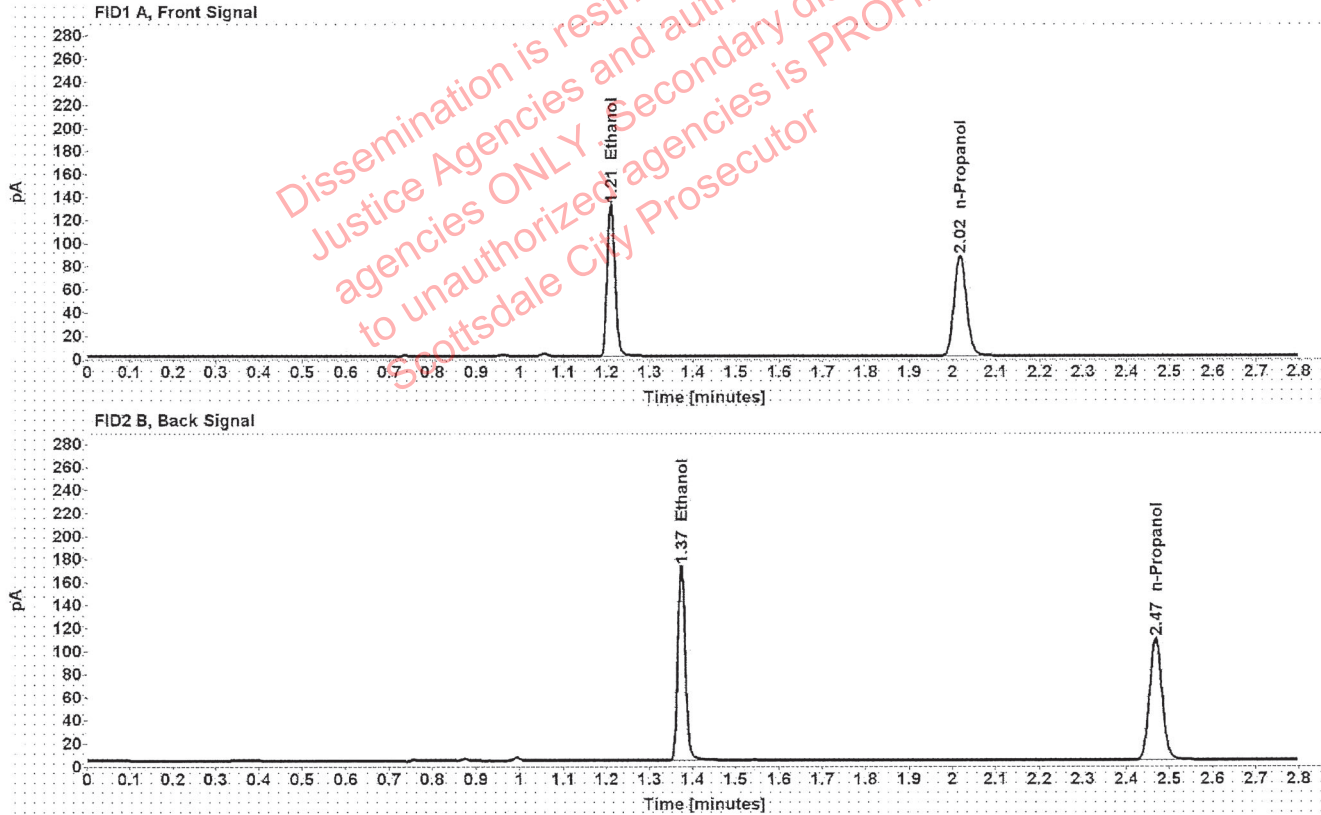


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2622	1.210	167.554
n-Propanol	-----	2.017	173.496

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

Compound	Time (min)	Peak Area
Ethanol	1.374	209.064
n-Propanol	2.468	213.805

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1362249	Vial:	18
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:50:12 PM
Data file:	C:\Chem32\1\Data\23Mar21\18.D	Analyst:	Abbott

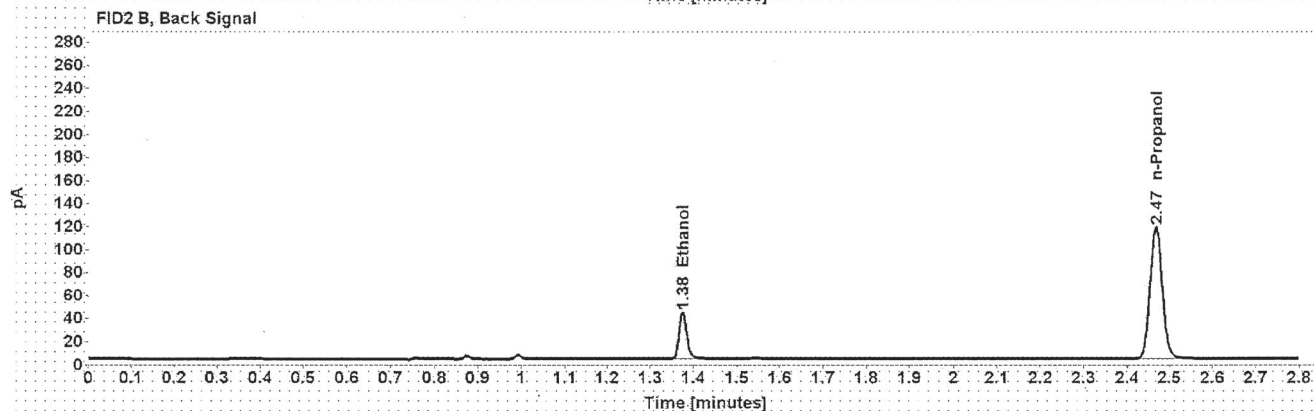
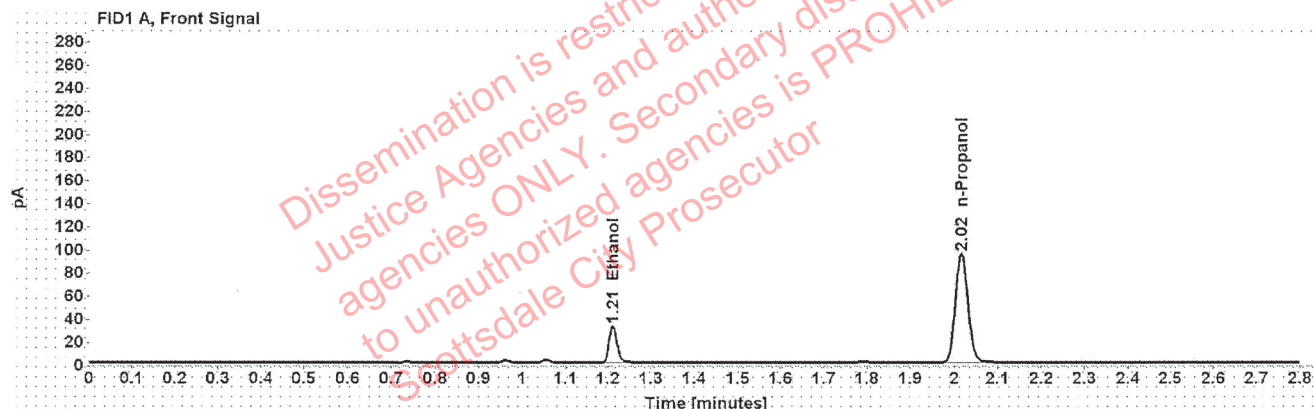


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0601	1.211	40.876
n-Propanol	-----	2.016	188.836

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

Compound	Time (min)	Peak Area
Ethanol	1.375	51.286
n-Propanol	2.468	233.045

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1362249	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 12:54:27 PM
Data file:	C:\Chem32\1\Data\23Mar21\19.D	Analyst:	Abbott

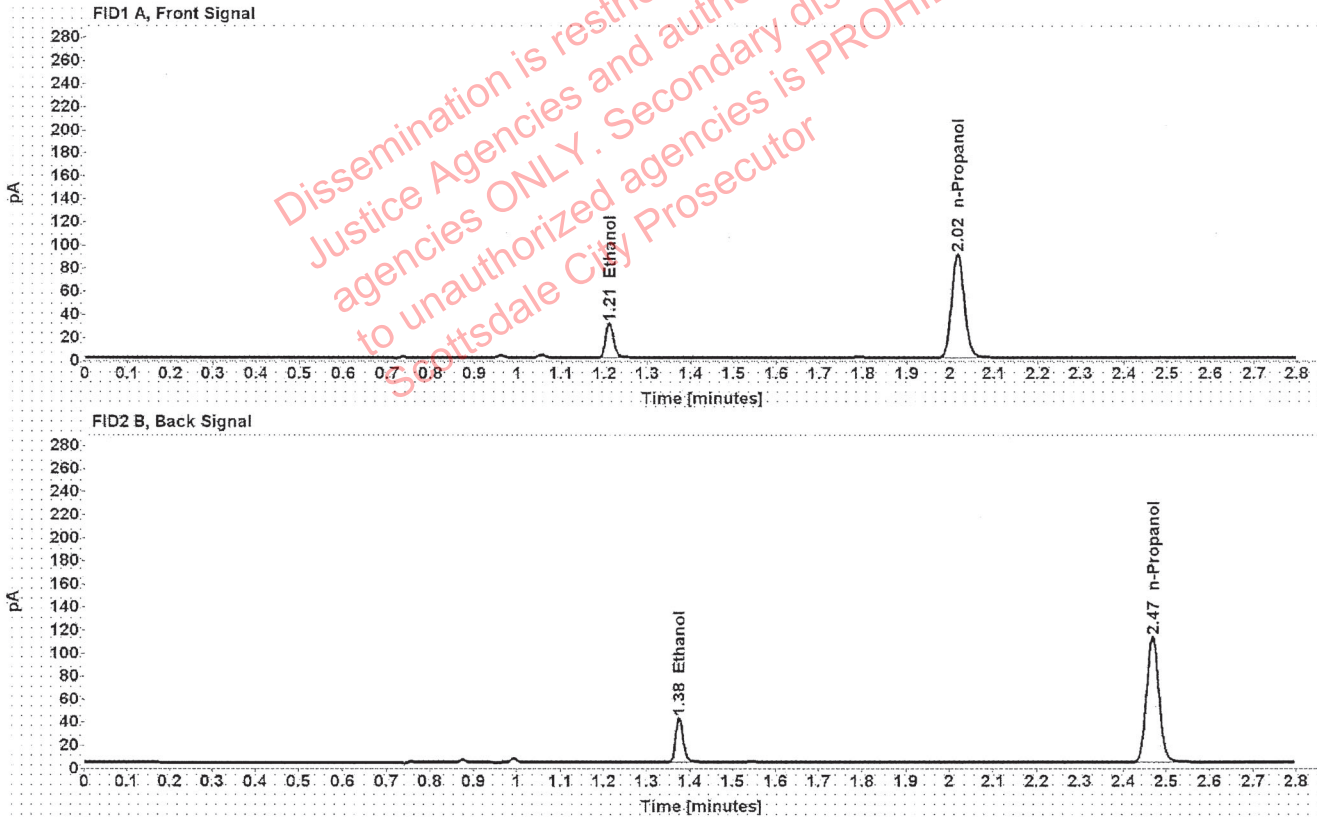


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0596	1.211	38.592
n-Propanol	-----	2.017	179.672

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

Compound	Time (min)	Peak Area
Ethanol	1.375	48.457
n-Propanol	2.468	221.698



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363863	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:02:28 PM
Data file:	C:\Chem32\1\Data\23Mar21\21.D	Analyst:	Abbott

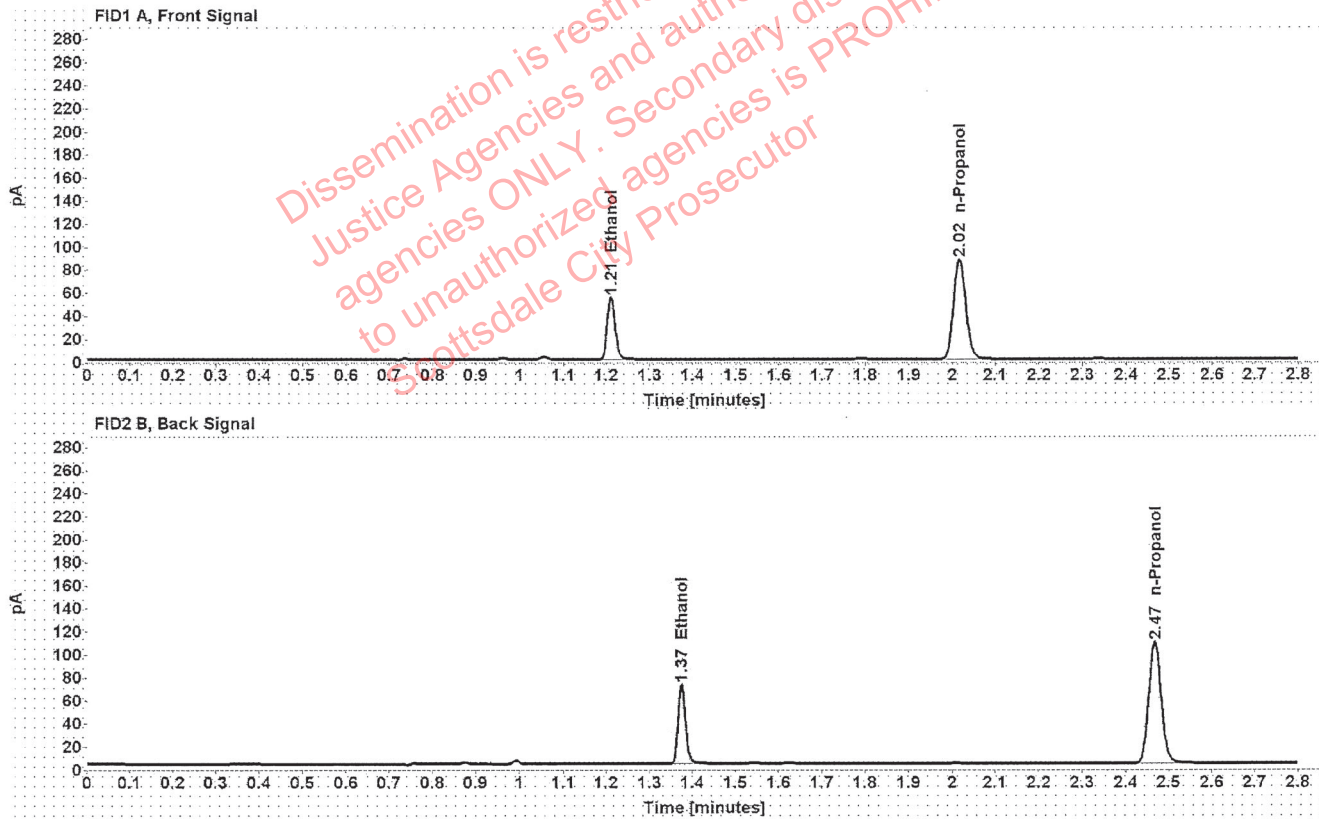


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1098	1.211	69.421
n-Propanol	-----	2.016	173.259

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

Compound	Time (min)	Peak Area
Ethanol	1.375	85.857
n-Propanol	2.468	214.243

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363863	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:06:26 PM
Data file:	C:\Chem32\1\Data\23Mar21\22.D	Analyst:	Abbott

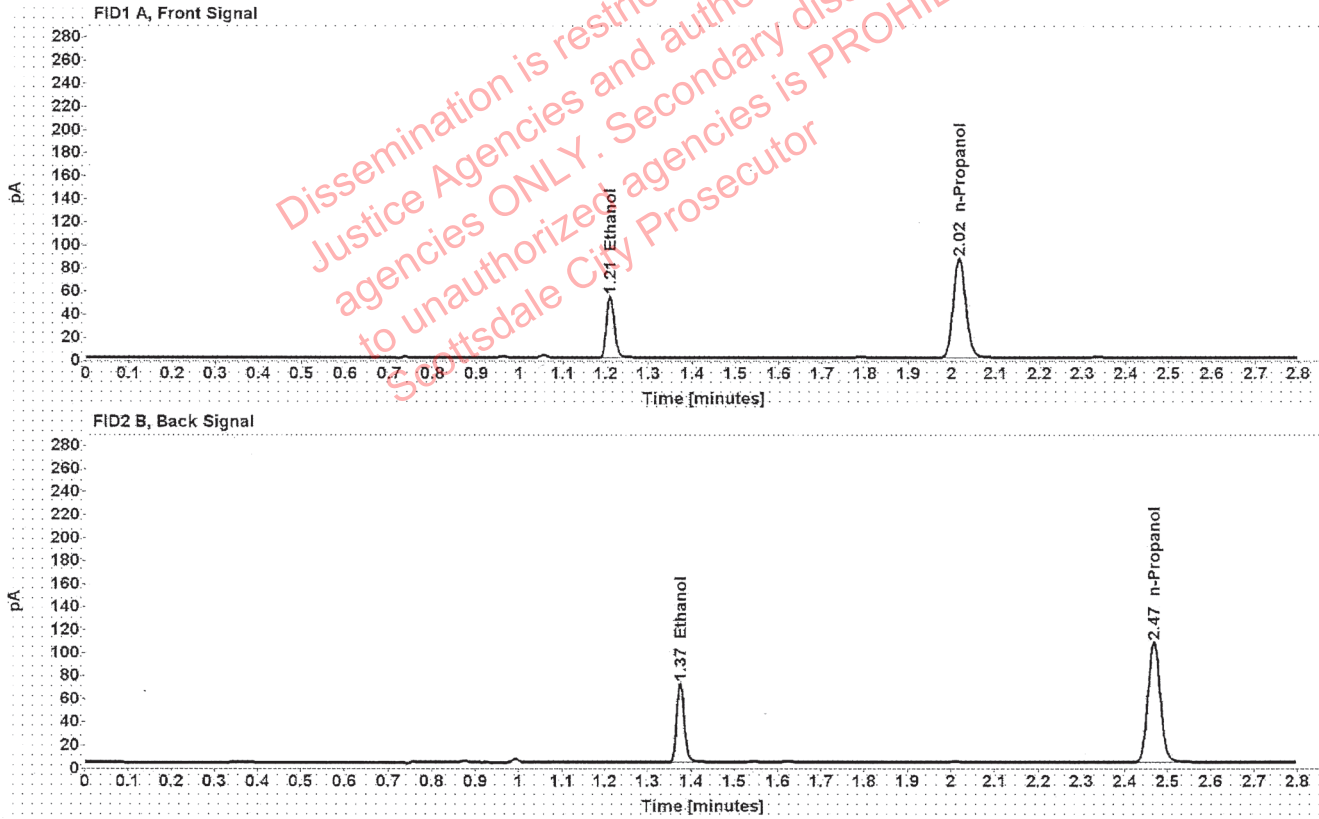


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1095	1.211	68.577
n-Propanol	-----	2.016	171.528

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

Compound	Time (min)	Peak Area
Ethanol	1.375	84.850
n-Propanol	2.468	212.151

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364198	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:10:26 PM
Data file:	C:\Chem32\1\Data\23Mar21\23.D	Analyst:	Abbott

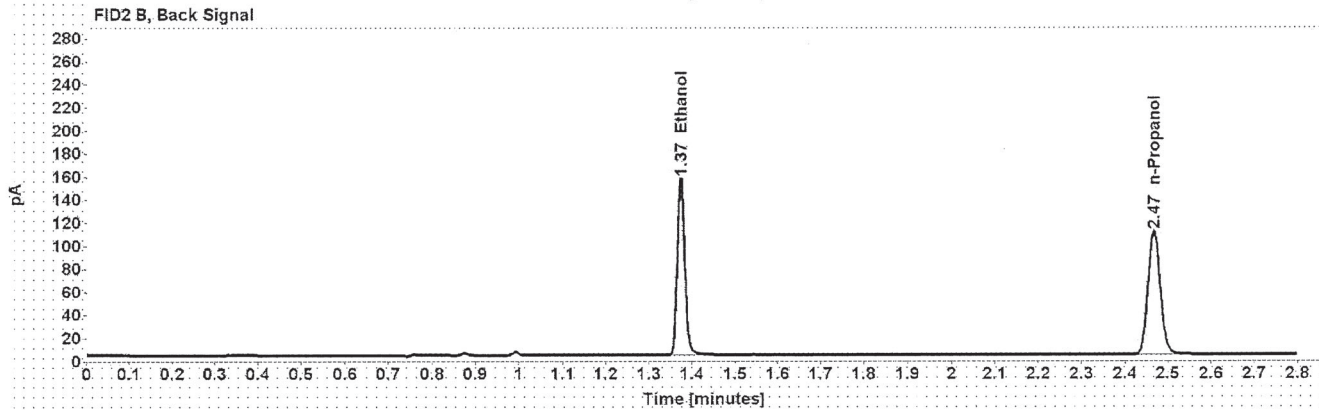
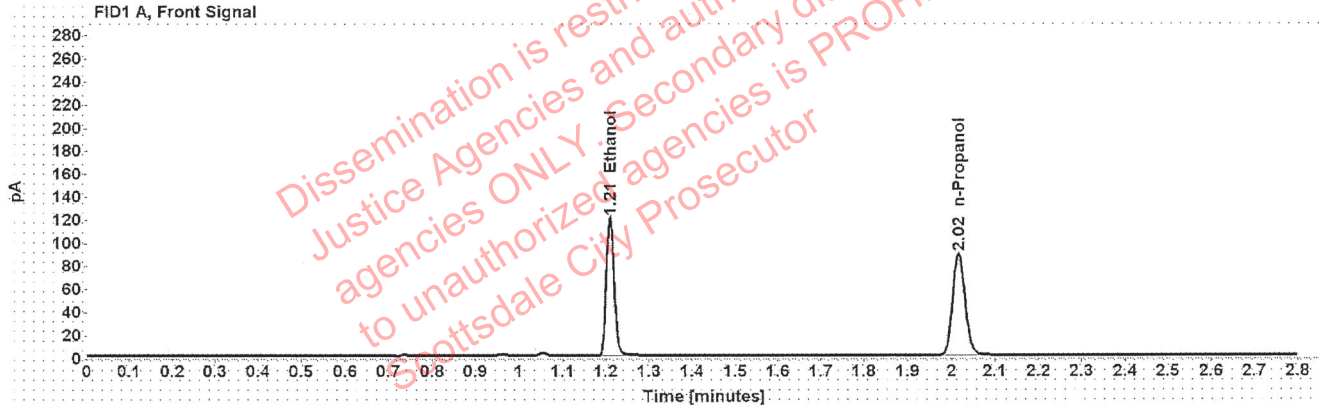


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2354	1.210	152.545
n-Propanol	-----	2.016	176.049

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

Compound	Time (min)	Peak Area
Ethanol	1.374	189.814
n-Propanol	2.468	216.812

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364198	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:14:28 PM
Data file:	C:\Chem32\1\Data\23Mar21\24.D	Analyst:	Abbott

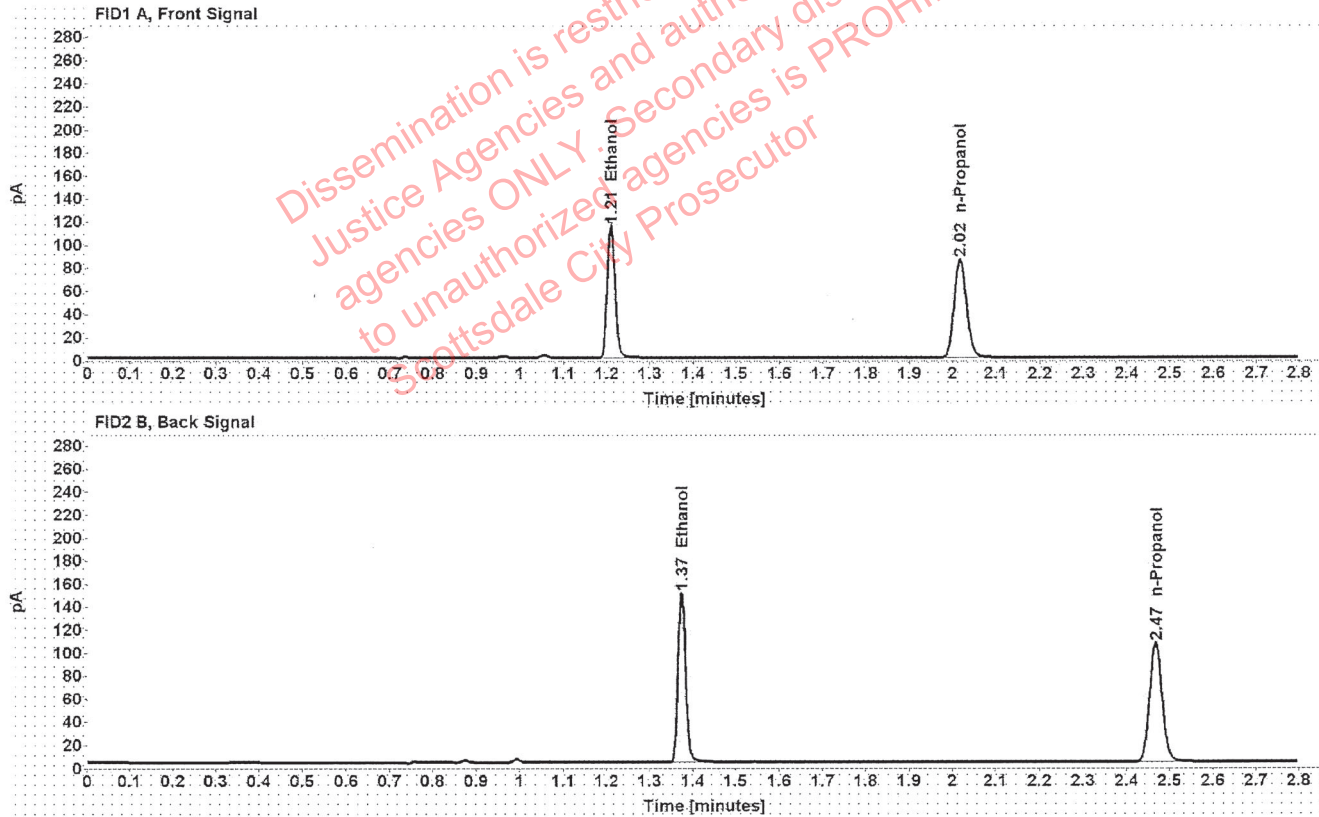


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2344	1.210	146.223
n-Propanol	-----	2.017	169.490

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

Compound	Time (min)	Peak Area
Ethanol	1.374	182.175
n-Propanol	2.468	208.658

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364626	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:18:42 PM
Data file:	C:\Chem32\1\Data\23Mar21\25.D	Analyst:	Abbott

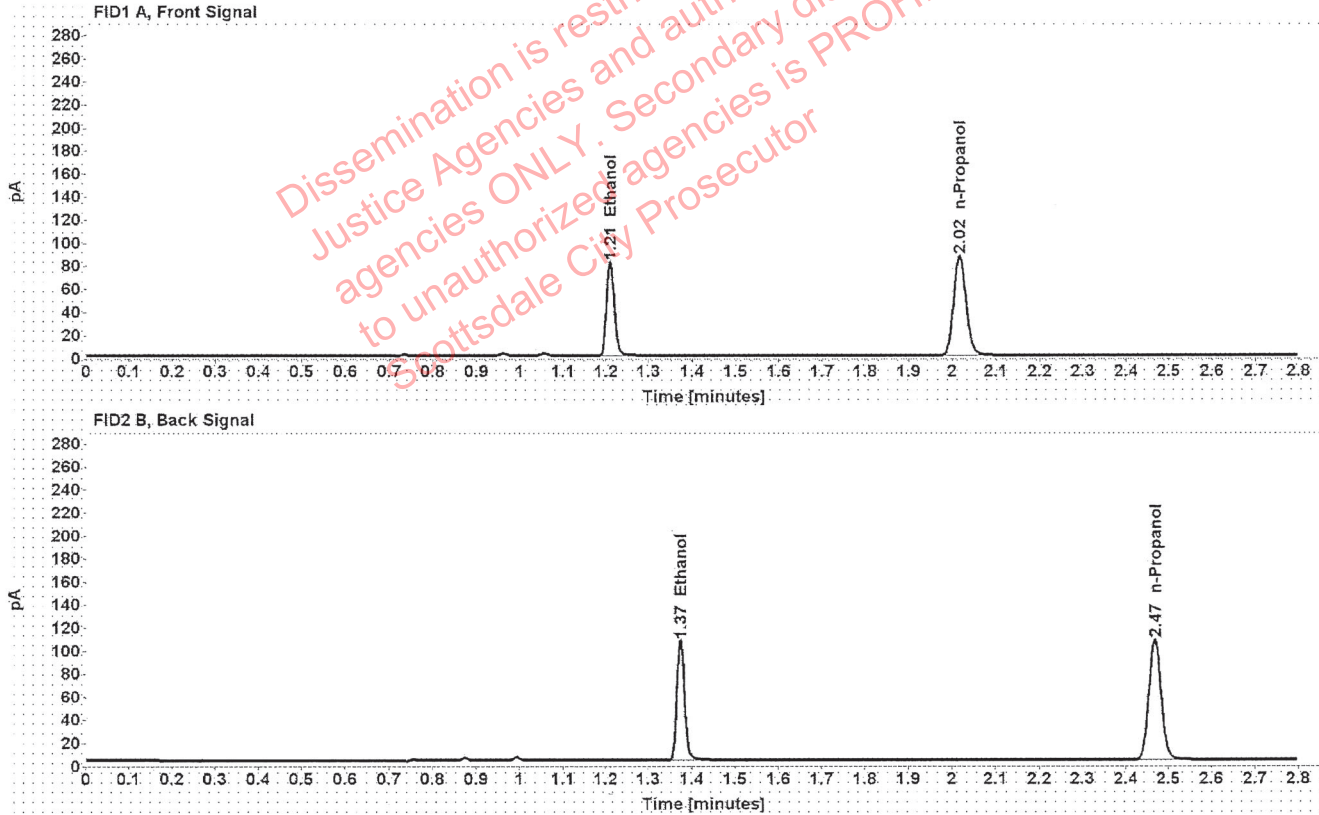


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1646	1.210	103.743
n-Propanol	-----	2.017	171.788

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.161
n-Propanol	2.468	211.439



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364626	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:22:42 PM
Data file:	C:\Chem32\1\Data\23Mar21\26.D	Analyst:	Abbott

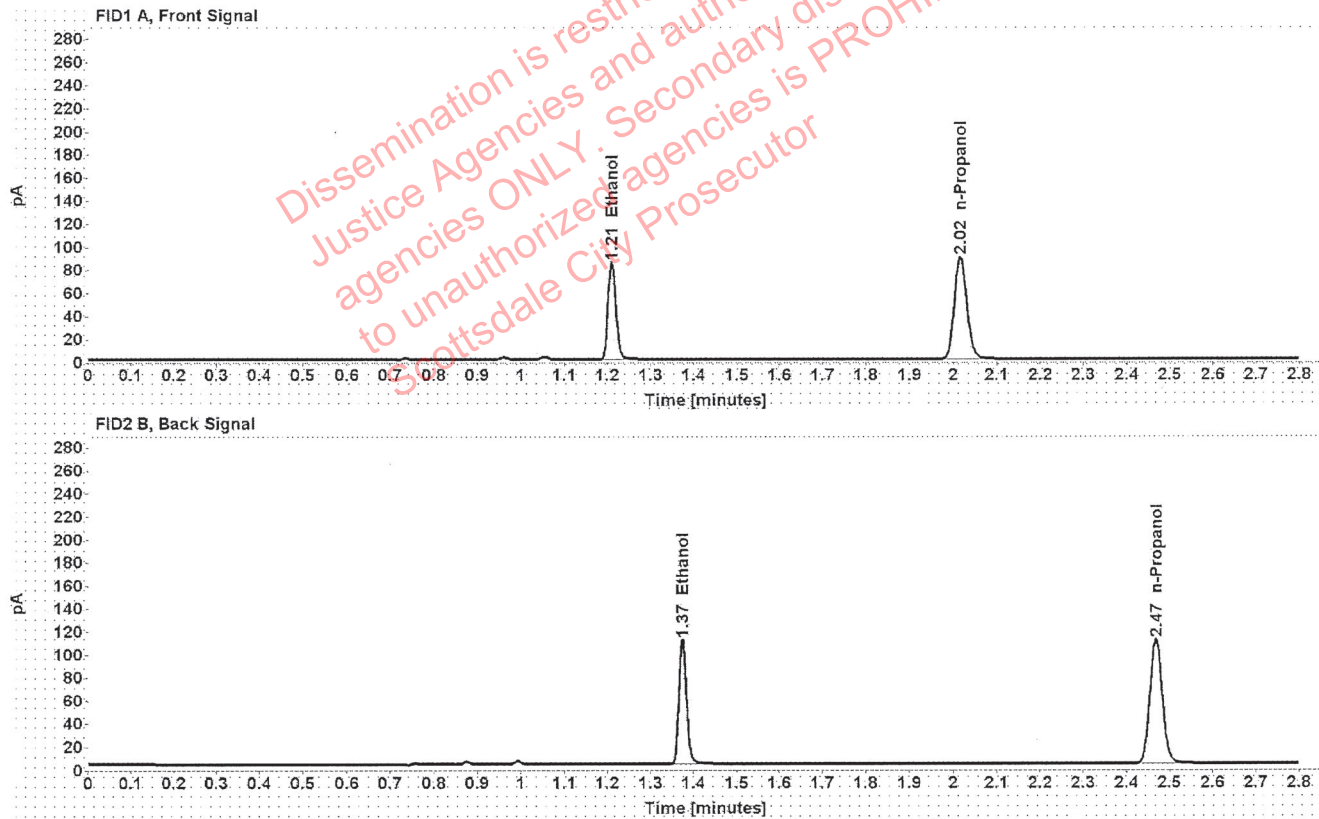


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1656	1.210	107.850
n-Propanol	-----	2.017	177.504

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

Compound	Time (min)	Peak Area
Ethanol	1.374	133.935
n-Propanol	2.468	218.536

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1362966	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:26:42 PM
Data file:	C:\Chem32\1\Data\23Mar21\27.D	Analyst:	Abbott

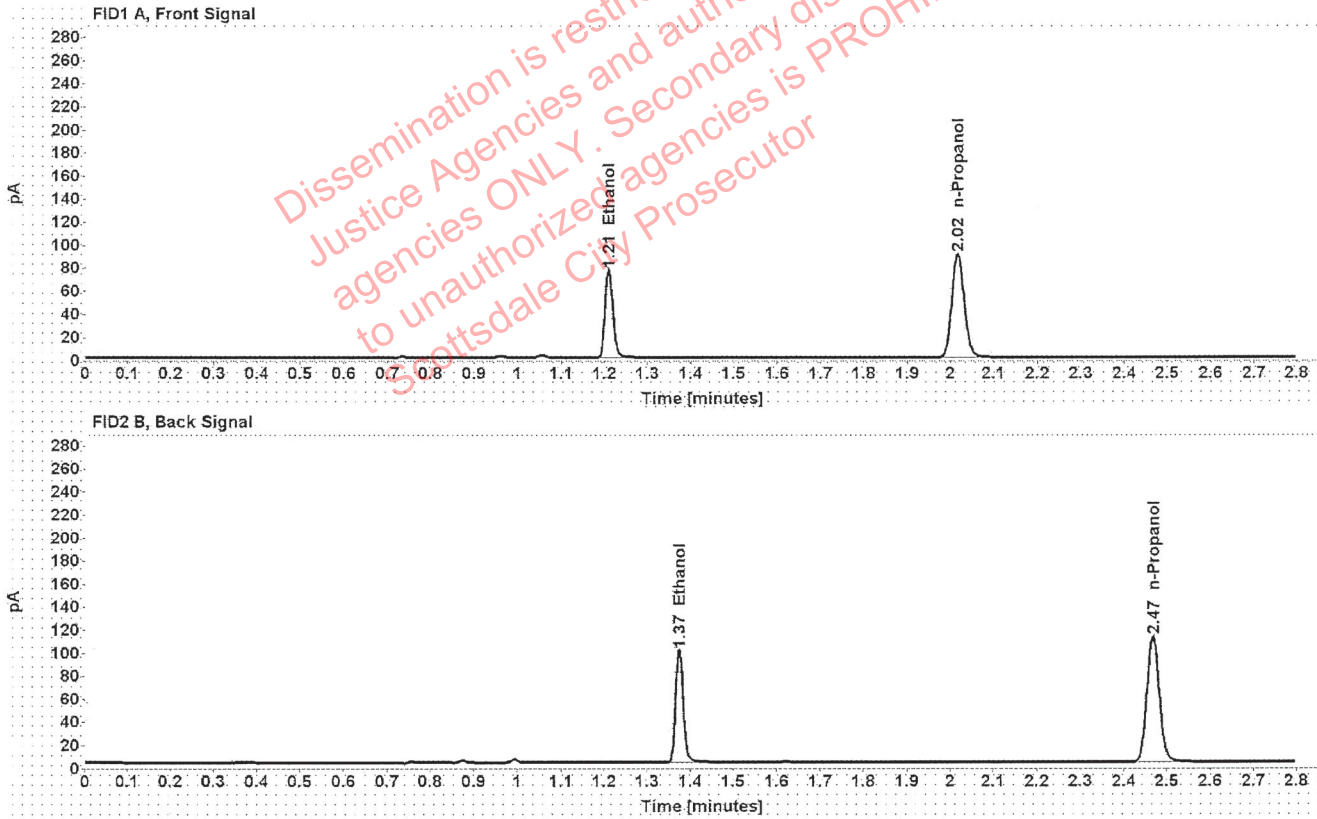


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1483	1.210	97.424
n-Propanol	-----	2.016	179.190

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

Compound	Time (min)	Peak Area
Ethanol	1.374	120.906
n-Propanol	2.468	221.261

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1362966	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:30:44 PM
Data file:	C:\Chem32\1\Data\23Mar21\28.D	Analyst:	Abbott

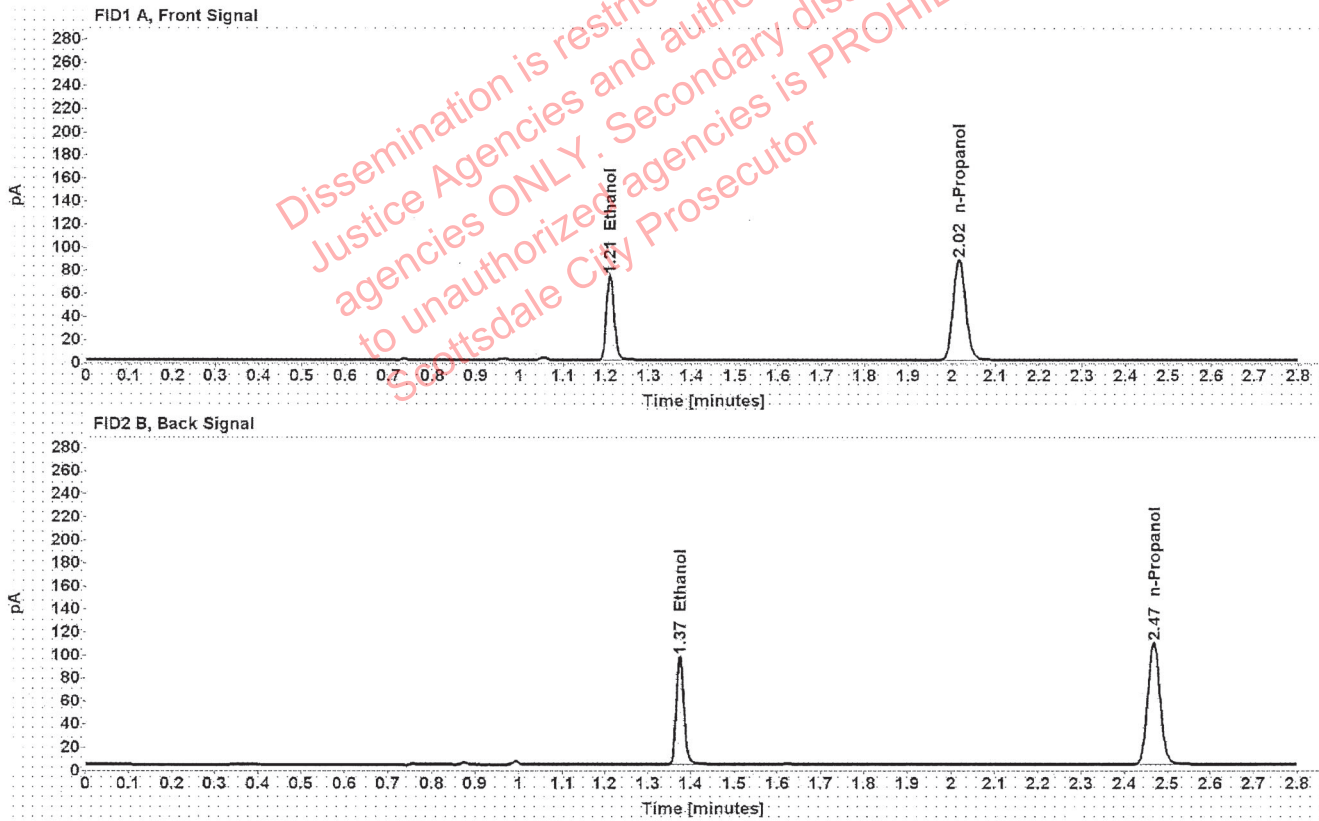


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1474	1.210	94.034
n-Propanol	-----	2.017	174.032

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

Compound	Time (min)	Peak Area
Ethanol	1.374	116.703
n-Propanol	2.468	214.797

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1362812	Vial: 29
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 23Mar21
Instrument: US14173023 CN14160045	Injection date: 3/23/2021 1:34:42 PM
Data file: C:\Chem32\1\Data\23Mar21\29.D	Analyst: Abbott

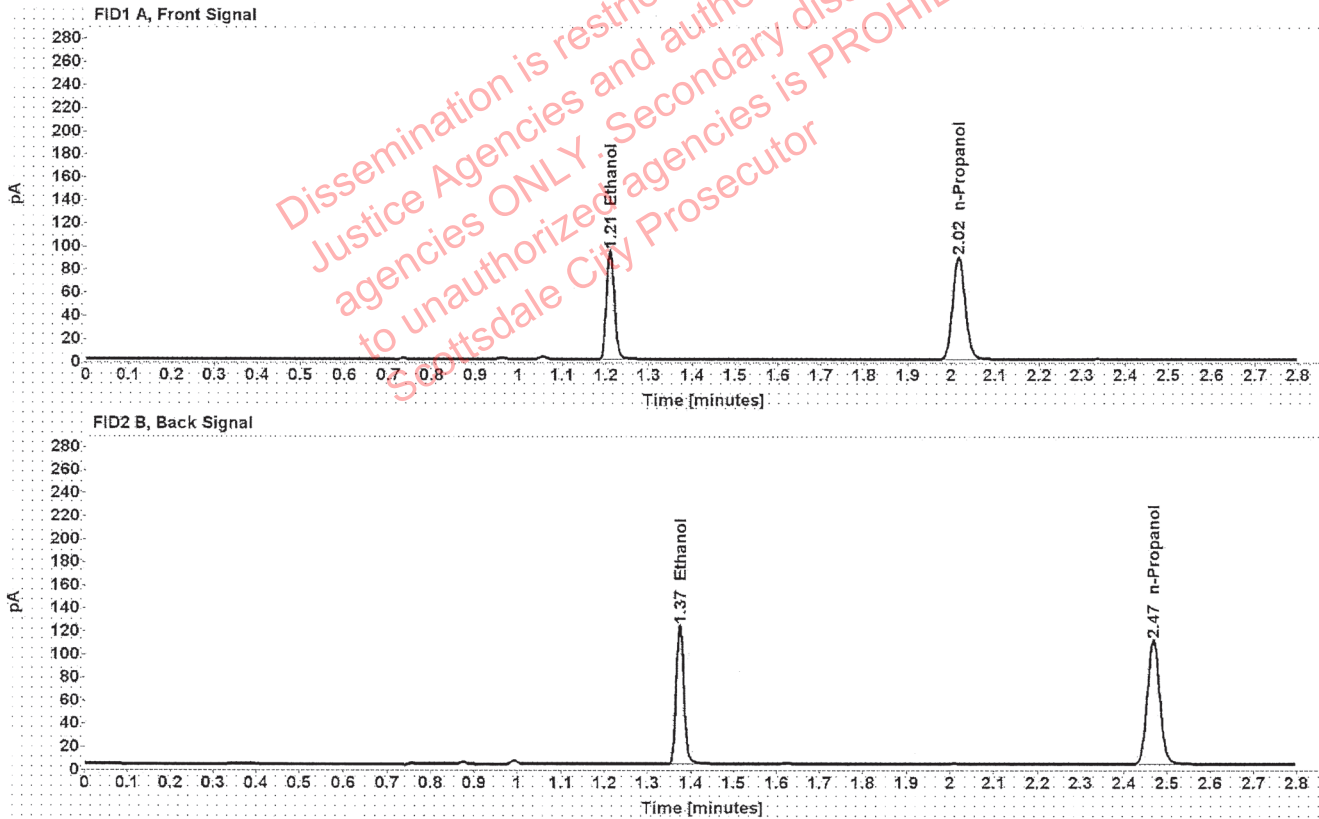


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1844	1.210	119.923
n-Propanol	-----	2.016	177.026

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

Compound	Time (min)	Peak Area
Ethanol	1.374	148.904
n-Propanol	2.468	218.826



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1362812	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:38:42 PM
Data file:	C:\Chem32\1\Data\23Mar21\30.D	Analyst:	Abbott

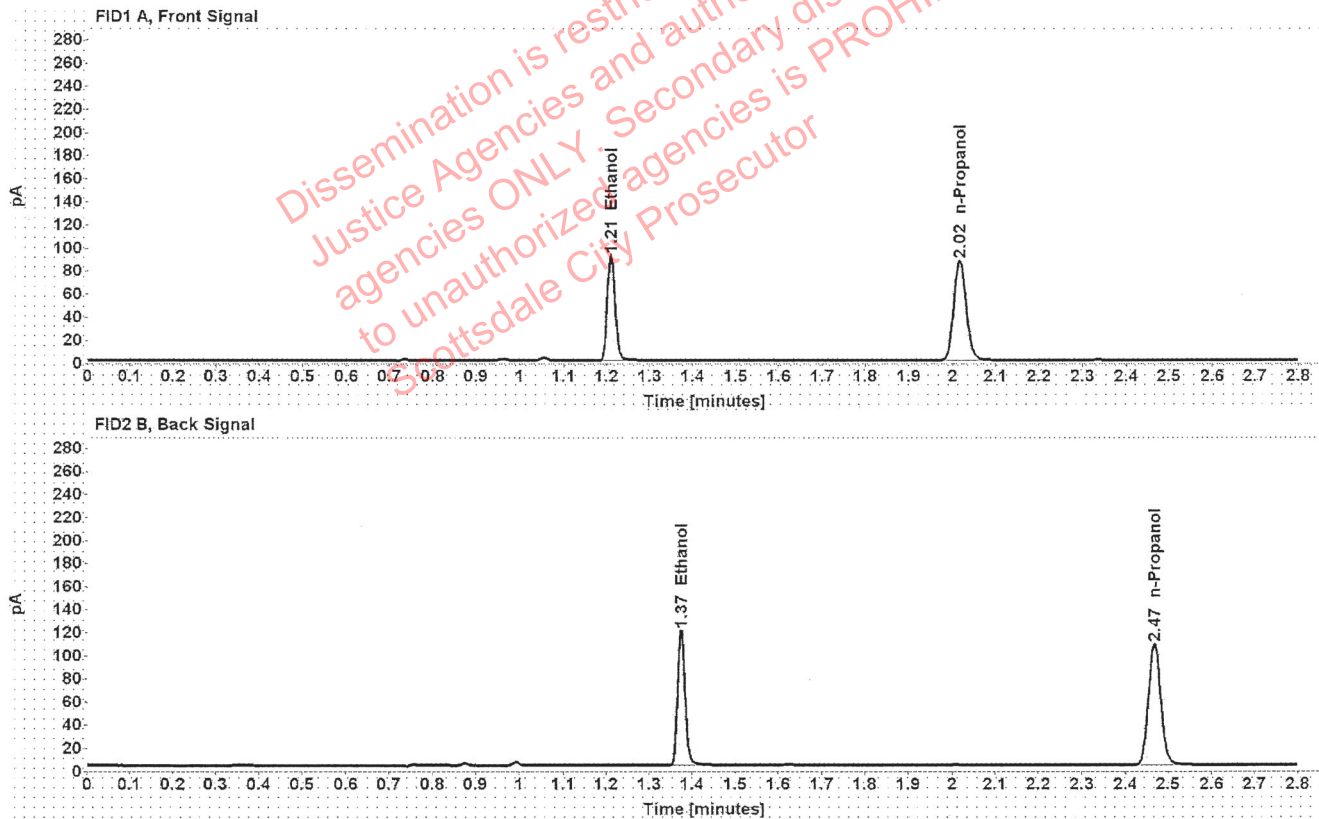


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1838	1.210	116.591
n-Propanol	-----	2.016	172.722

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

Compound	Time (min)	Peak Area
Ethanol	1.374	144.998
n-Propanol	2.468	213.489

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363235	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:46:56 PM
Data file:	C:\Chem32\1\Data\23Mar21\32.D	Analyst:	Abbott

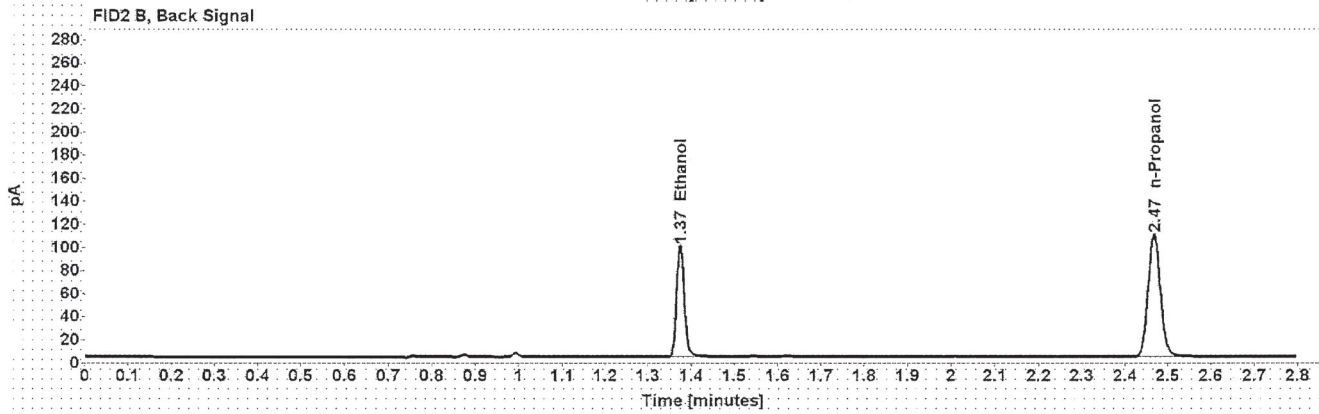
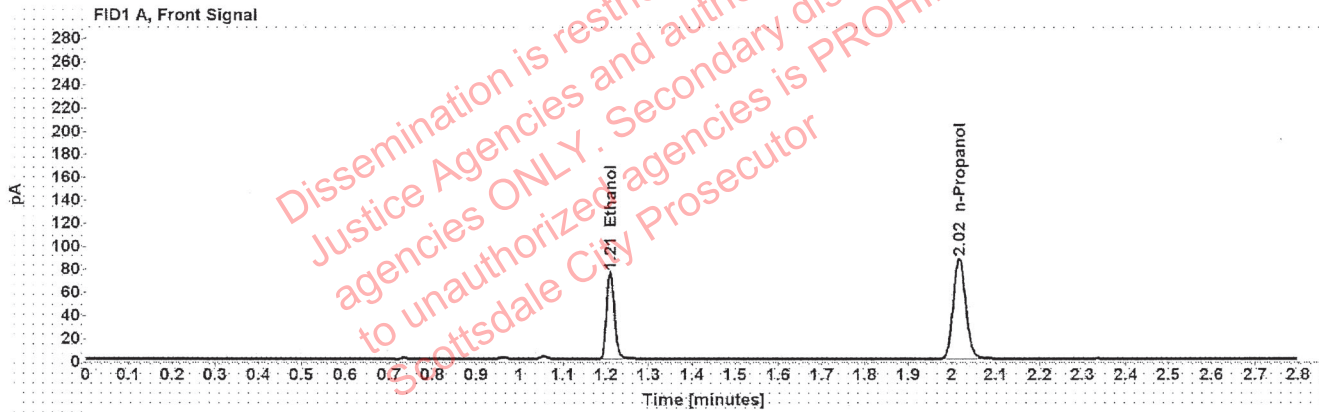


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1509	1.210	96.280
n-Propanol	-----	2.016	174.052

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

Compound	Time (min)	Peak Area
Ethanol	1.374	119.465
n-Propanol	2.468	214.855

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1363235	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:50:57 PM
Data file:	C:\Chem32\1\Data\23Mar21\33.D	Analyst:	Abbott

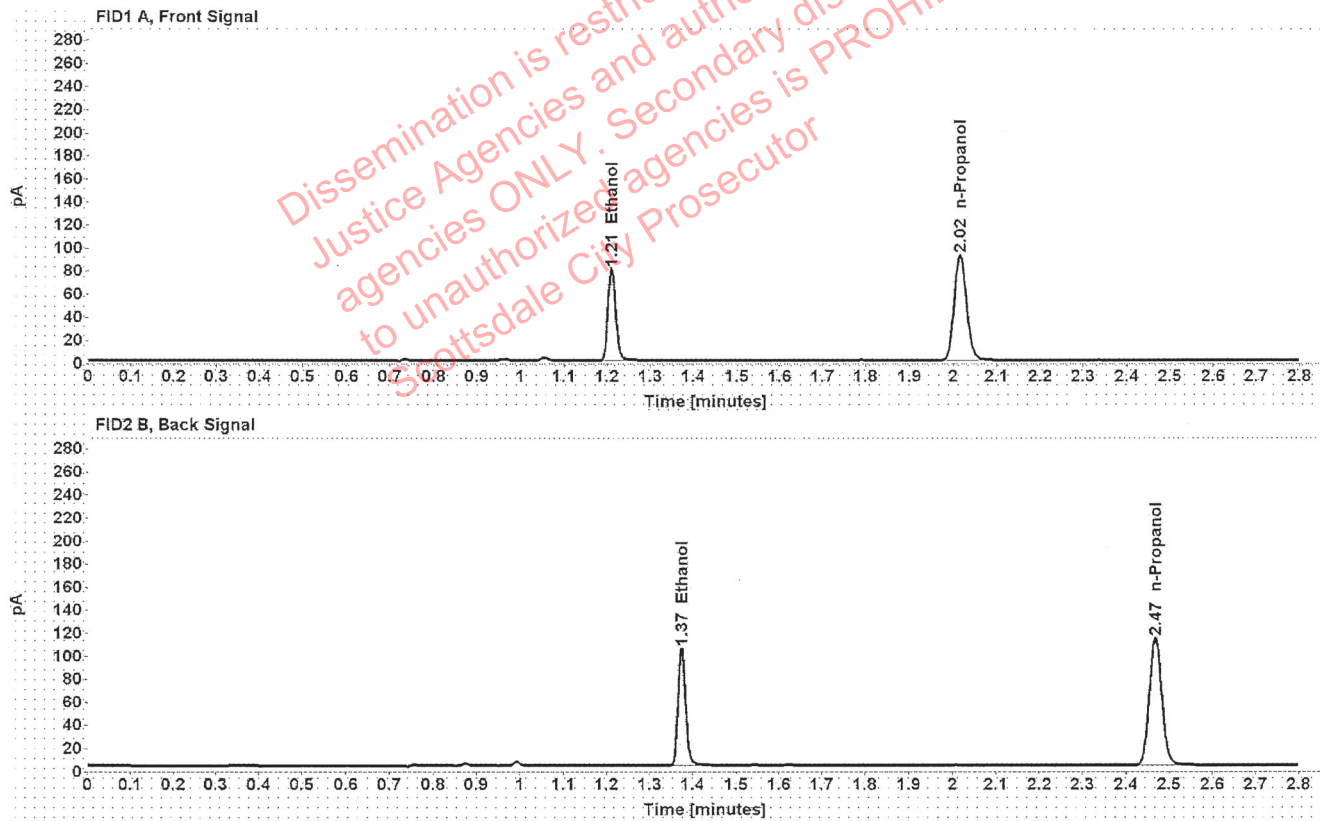


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1524	1.210	101.980
n-Propanol	-----	2.016	182.490

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

Compound	Time (min)	Peak Area
Ethanol	1.374	126.224
n-Propanol	2.468	225.402

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364731	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:54:57 PM
Data file:	C:\Chem32\1\Data\23Mar21\134.D	Analyst:	Abbott

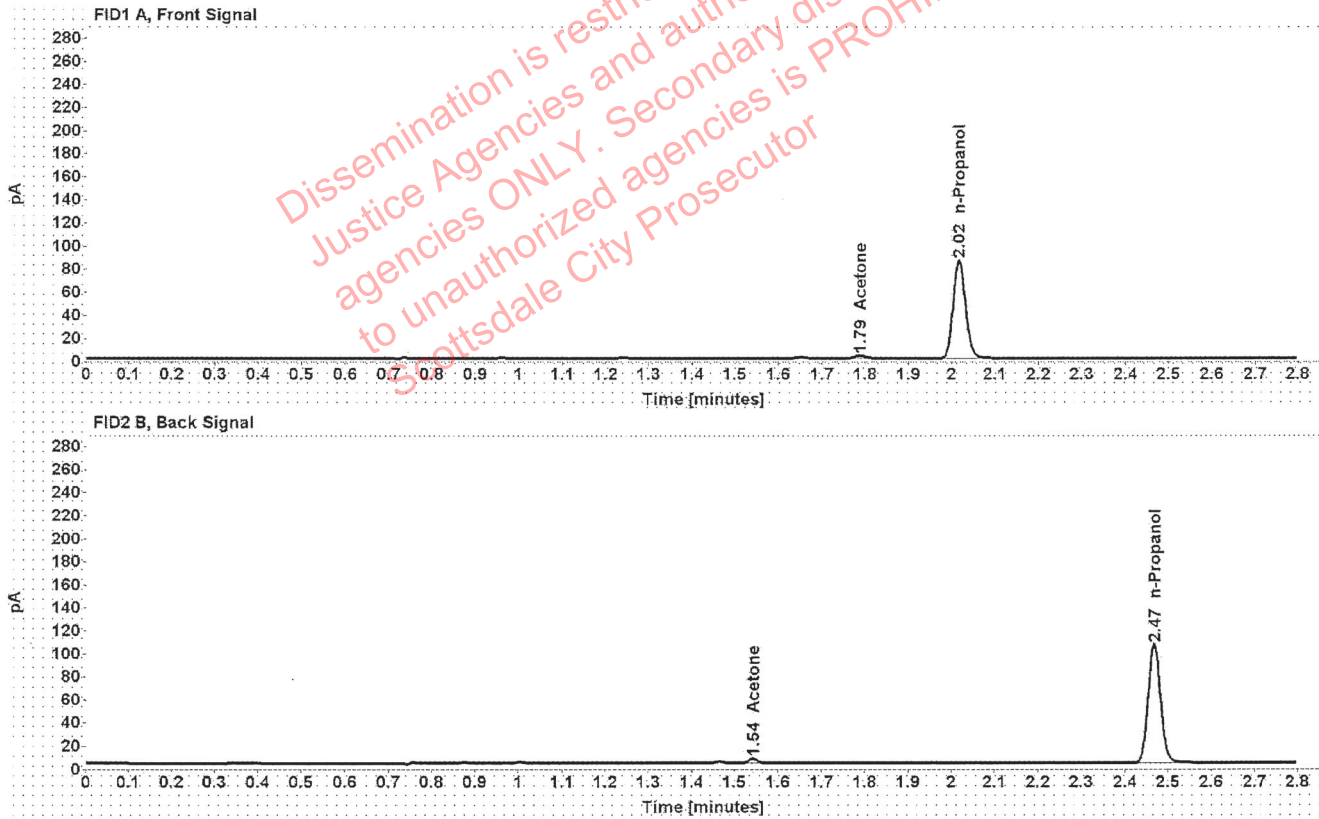


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetone	-----	1.788	4.384
n-Propanol	-----	2.016	169.985

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

Compound	Time (min)	Peak Area
Acetone	1.543	5.405
n-Propanol	2.468	209.203



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364731	Vial:	35
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 1:58:58 PM
Data file:	C:\Chem32\1\Data\23Mar21\35.D	Analyst:	Abbott

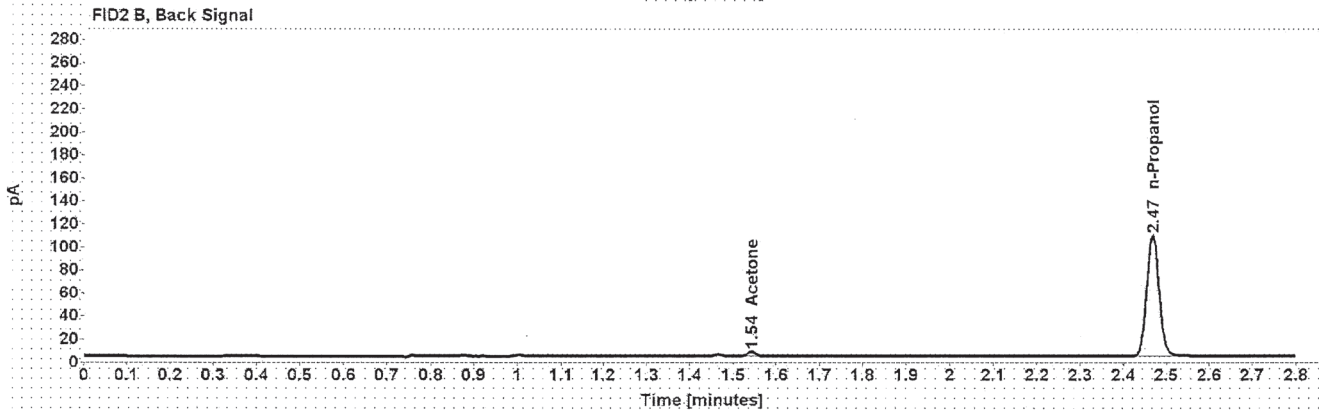
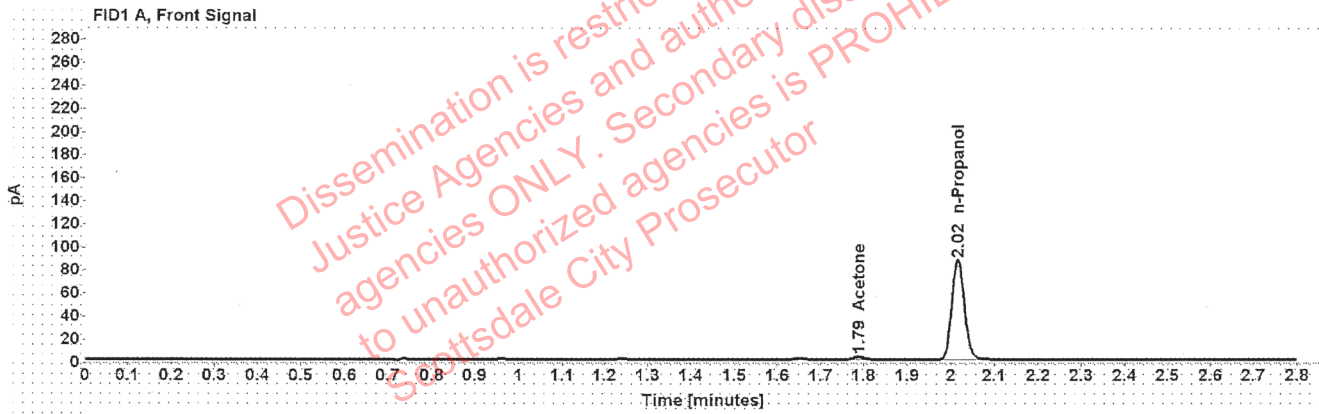


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetone	-----	1.788	4.462
n-Propanol	-----	2.016	173.892

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

Compound	Time (min)	Peak Area
Acetone	1.543	5.473
n-Propanol	2.468	213.971

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1361931	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 2:02:57 PM
Data file:	C:\Chem32\1\Data\23Mar21\136.D	Analyst:	Abbott

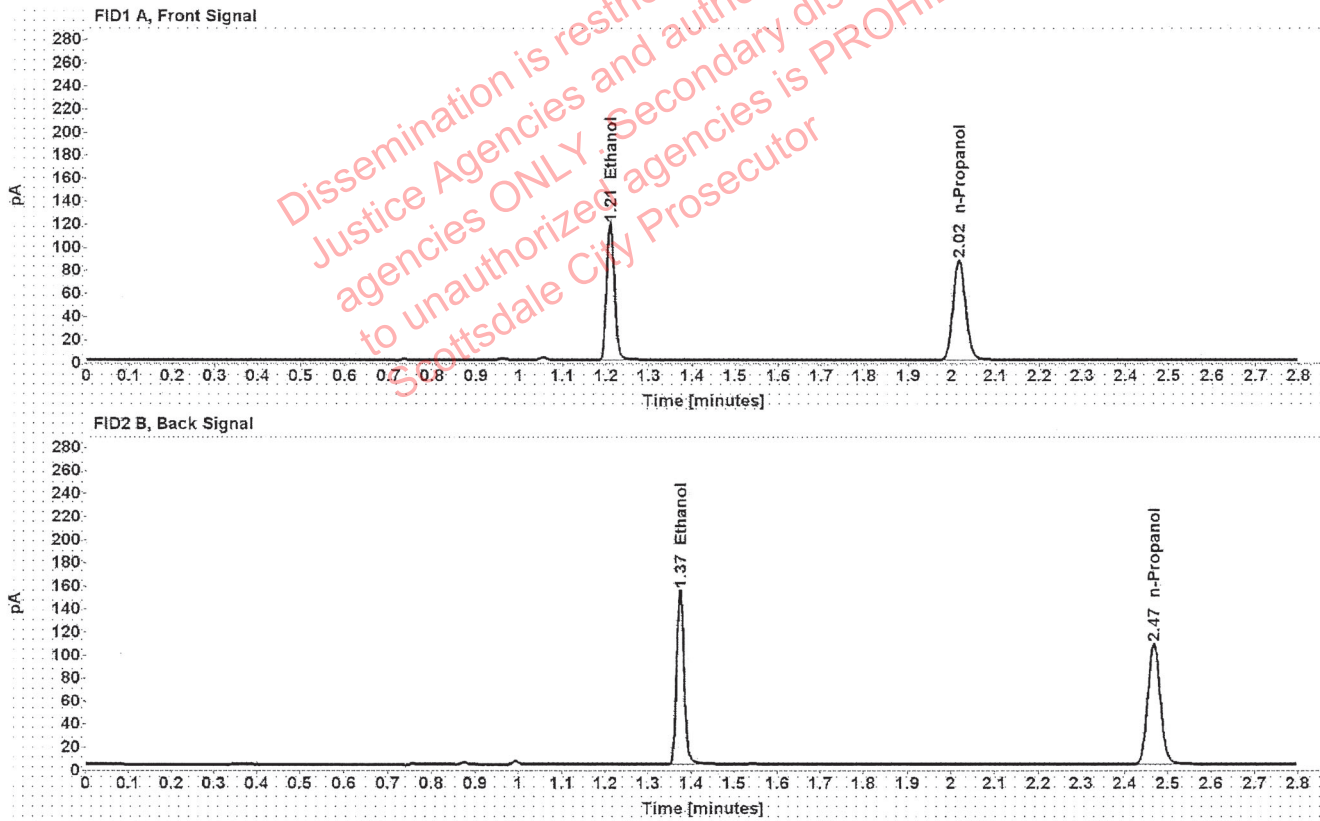


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2368	1.210	150.833
n-Propanol	-----	2.016	173.007

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

Compound	Time (min)	Peak Area
Ethanol	1.374	187.954
n-Propanol	2.467	212.980

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1361931	Vial:	37
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 2:07:12 PM
Data file:	C:\Chem32\1\Data\23Mar21\37.D	Analyst:	Abbott

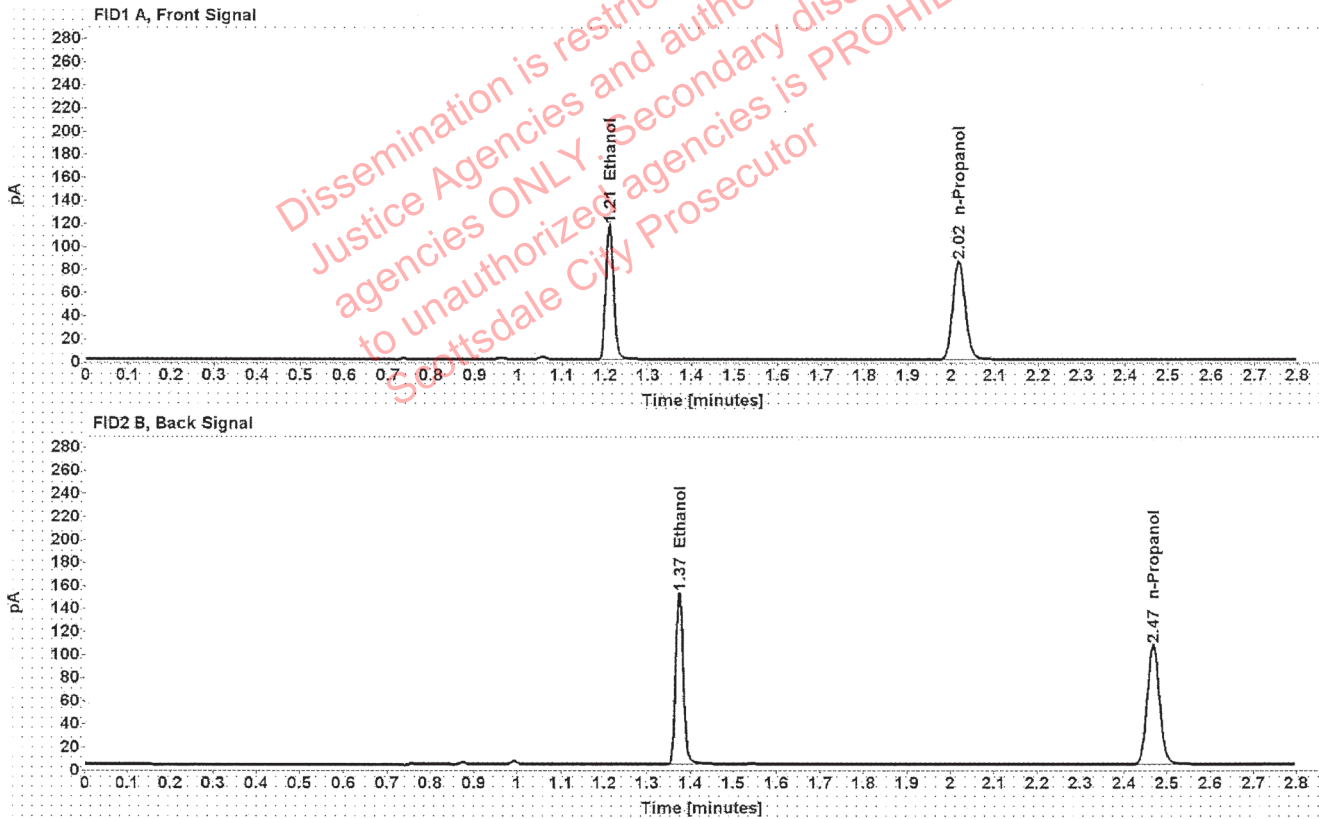


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2366	1.210	148.359
n-Propanol	-----	2.016	170.308

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

Compound	Time (min)	Peak Area
Ethanol	1.374	184.870
n-Propanol	2.467	209.512

## Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364515	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 2:11:13 PM
Data file:	C:\Chem32\1\Data\23Mar21\38.D	Analyst:	Abbott

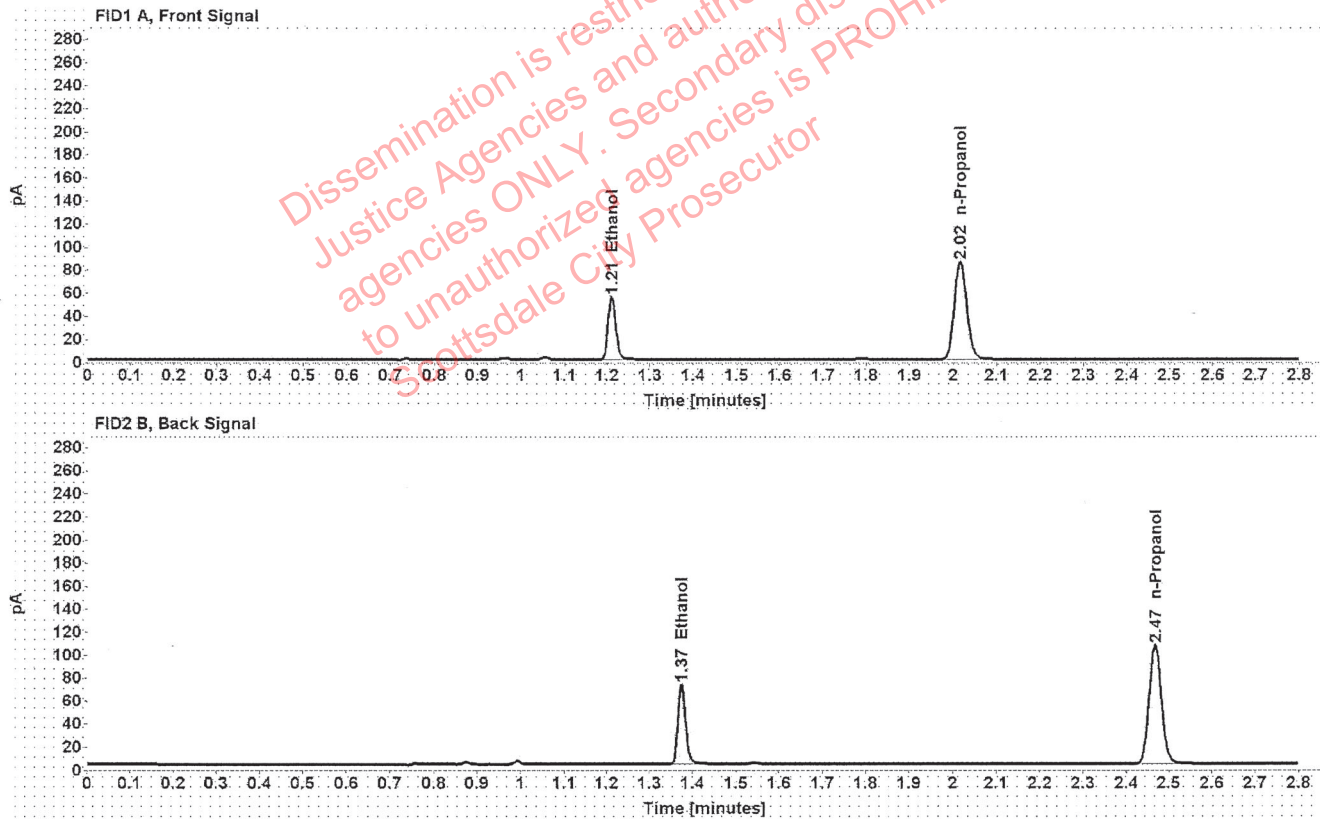


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1121	1.211	69.740
n-Propanol	-----	2.016	170.371

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

Compound	Time (min)	Peak Area
Ethanol	1.375	86.190
n-Propanol	2.468	209.413



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1364515	Vial:	39
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 2:15:11 PM
Data file:	C:\Chem32\1\Data\23Mar21\39.D	Analyst:	Abbott

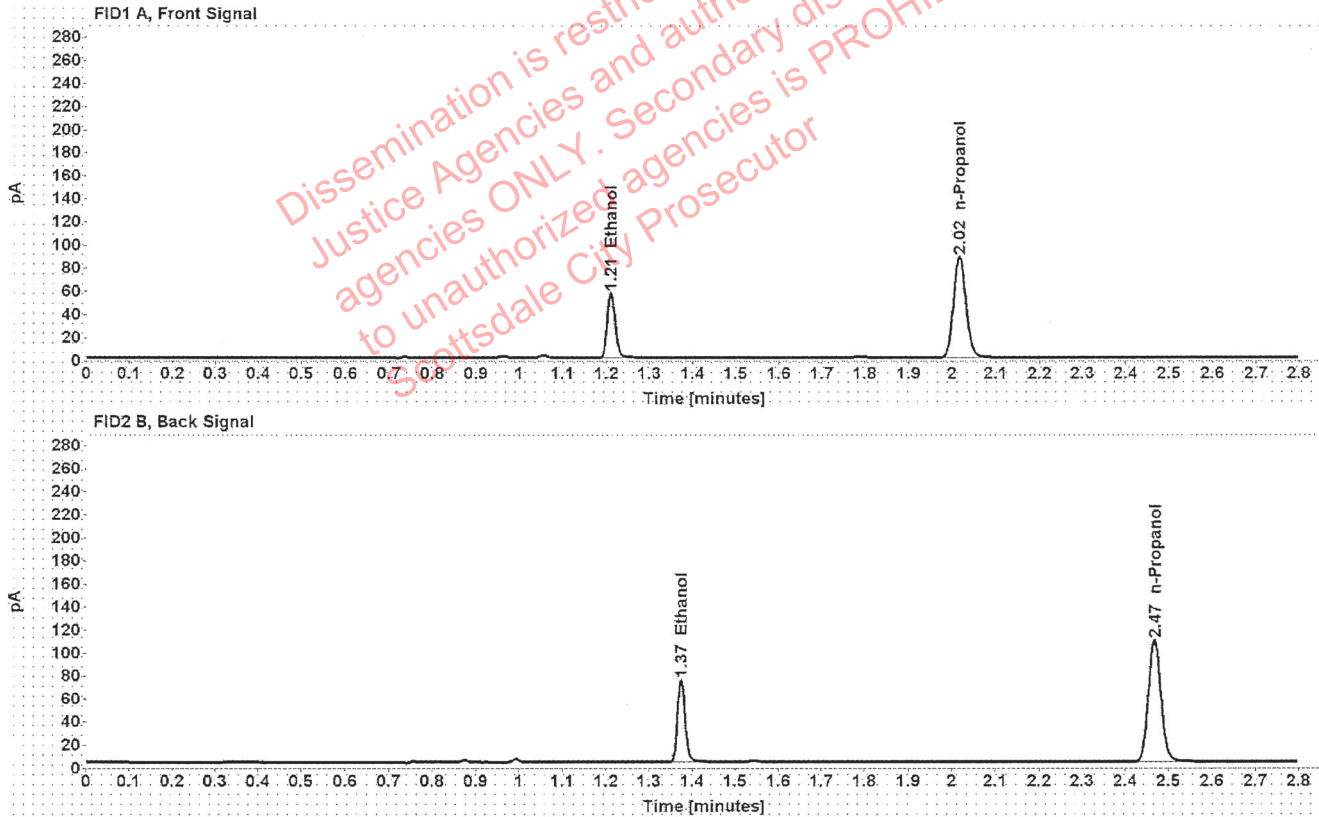


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1127	1.211	71.926
n-Propanol	-----	2.016	174.801

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

Compound	Time (min)	Peak Area
Ethanol	1.375	88.855
n-Propanol	2.468	214.825

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1365037	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 2:19:12 PM
Data file:	C:\Chem32\1\Data\23Mar21\40.D	Analyst:	Abbott

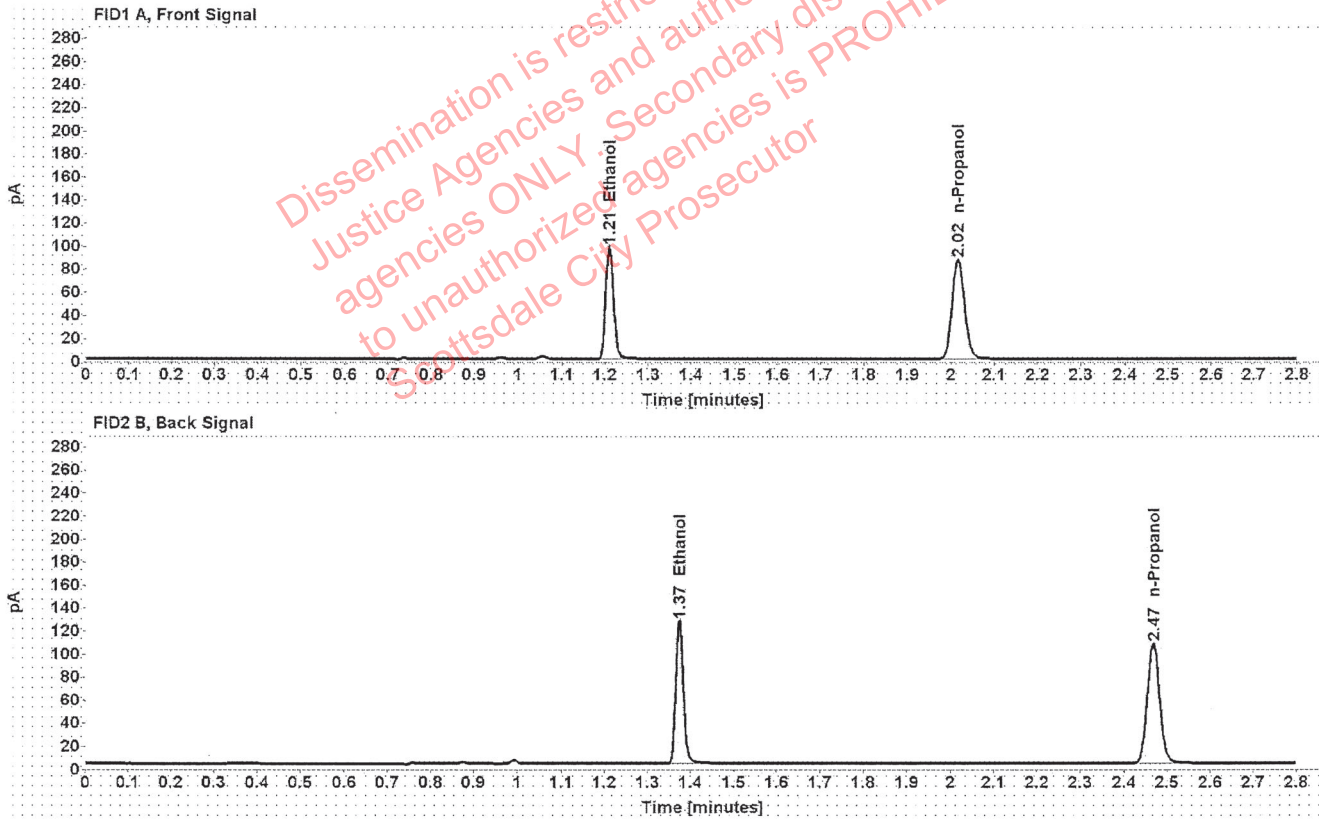


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1959	1.210	123.767
n-Propanol	-----	2.016	171.901

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

Compound	Time (min)	Peak Area
Ethanol	1.374	153.748
n-Propanol	2.468	211.535

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1365037	Vial:	41
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	23Mar21
Instrument:	US14173023 CN14160045	Injection date:	3/23/2021 2:23:12 PM
Data file:	C:\Chem32\1\Data\23Mar21\41.D	Analyst:	Abbott

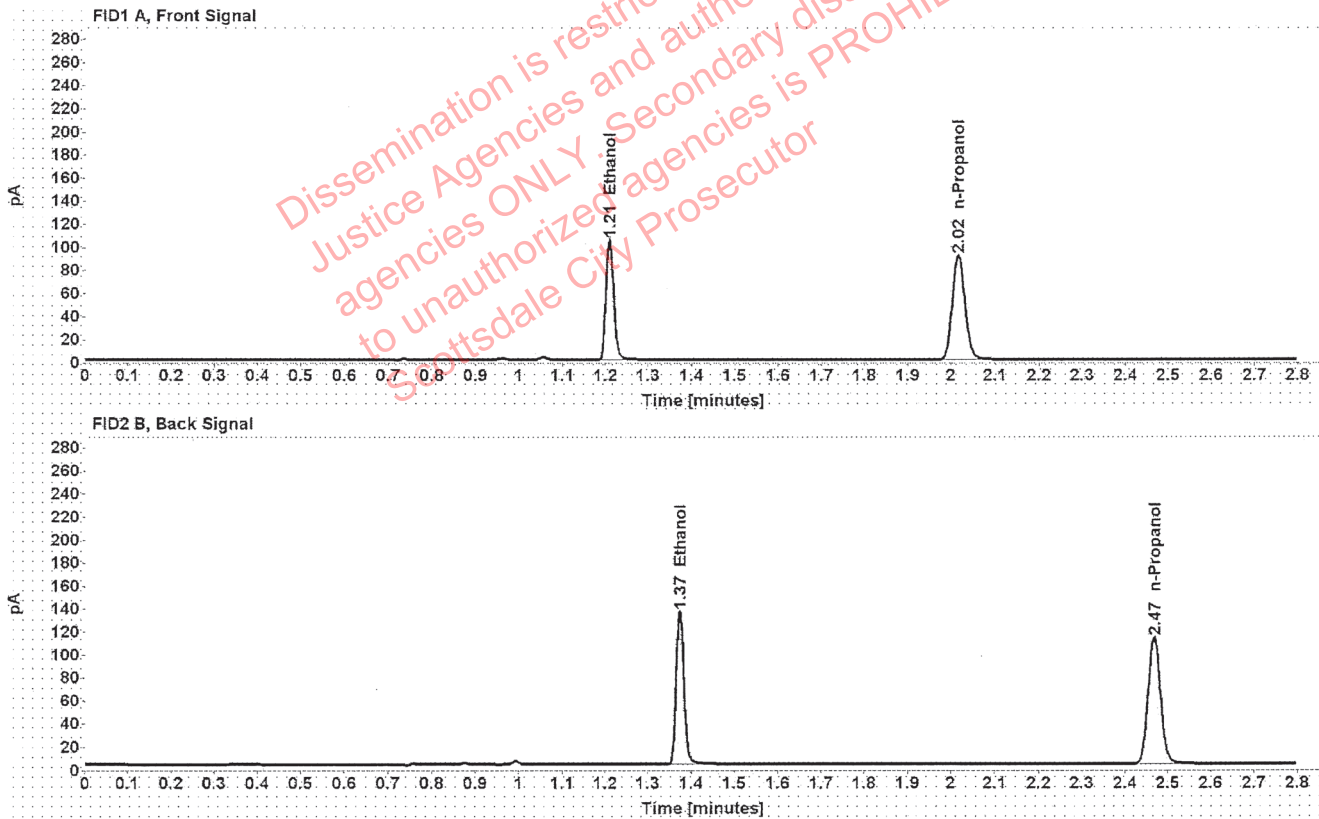


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1994	1.210	132.671
n-Propanol	-----	2.016	180.986

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

Compound	Time (min)	Peak Area
Ethanol	1.374	164.832
n-Propanol	2.468	222.949