

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/13/19 SEQUENCE NAME 13Nov19

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r²)
 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	0.409 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.081 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.400 g/dL	0.410 g/dL	Lipomed 08012015-C
32	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
33	Blood control	0.198 g/dL	0.199 g/dL	ACQ 407041529/13
34	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 10 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

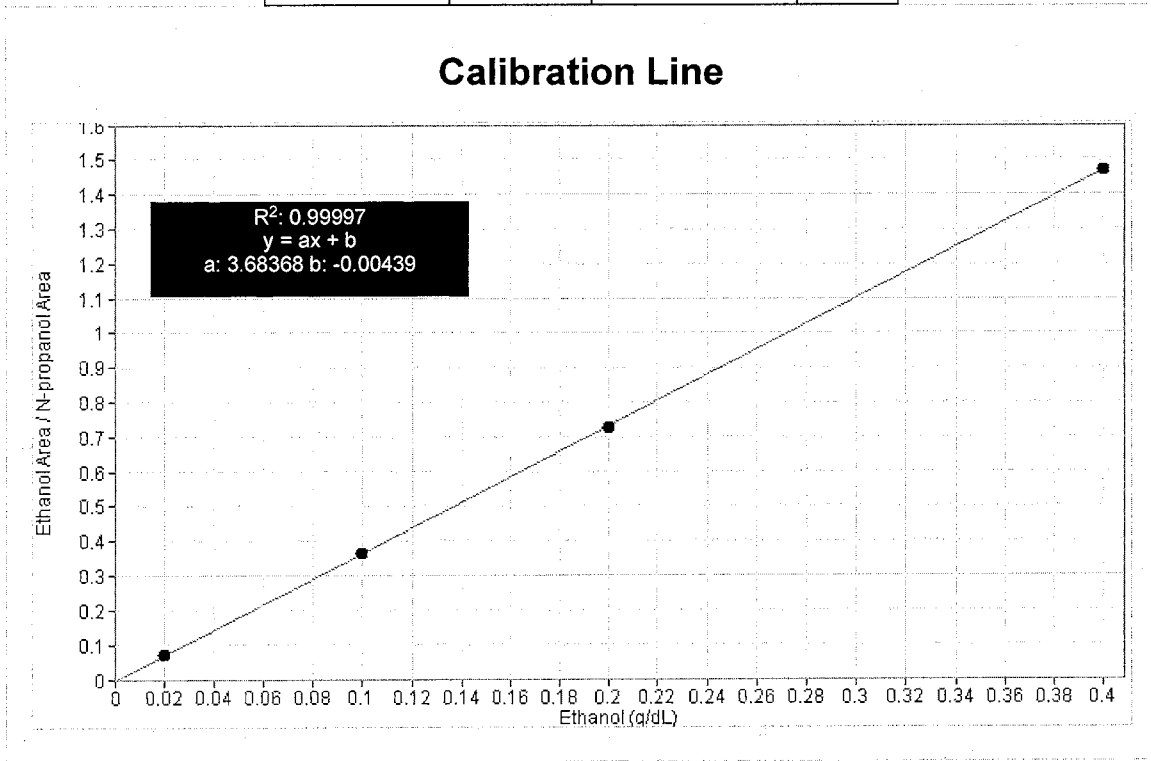
SEQUENCE NAME: 13Nov19

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	0.409	0.400	2.25	0.009
0.040 09022015-A	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.199	0.198	0.51	0.001
0.080 03102016-A/1	20	0.081	0.080	1.25	0.001
0.400 08012015-C	31	0.410	0.400	2.50	0.010
0.040 09022015-A	32	0.040	0.040	0.00	0.000
0.198 407041529/13	33	0.199	0.198	0.51	0.001
blank 040919WB	34	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.749	178.490	0.071
0.100	64.092	175.963	0.364
0.200	126.272	173.477	0.728
0.400	256.854	174.596	1.471

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.020 FN03241604	Vial:	1
Description:	0.020 calibrator	Sequence:	13Nov19
Method:	ethanol quant.M	Injection date:	11/13/2019 4:44:59 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\1\Data\13Nov19\1.D		

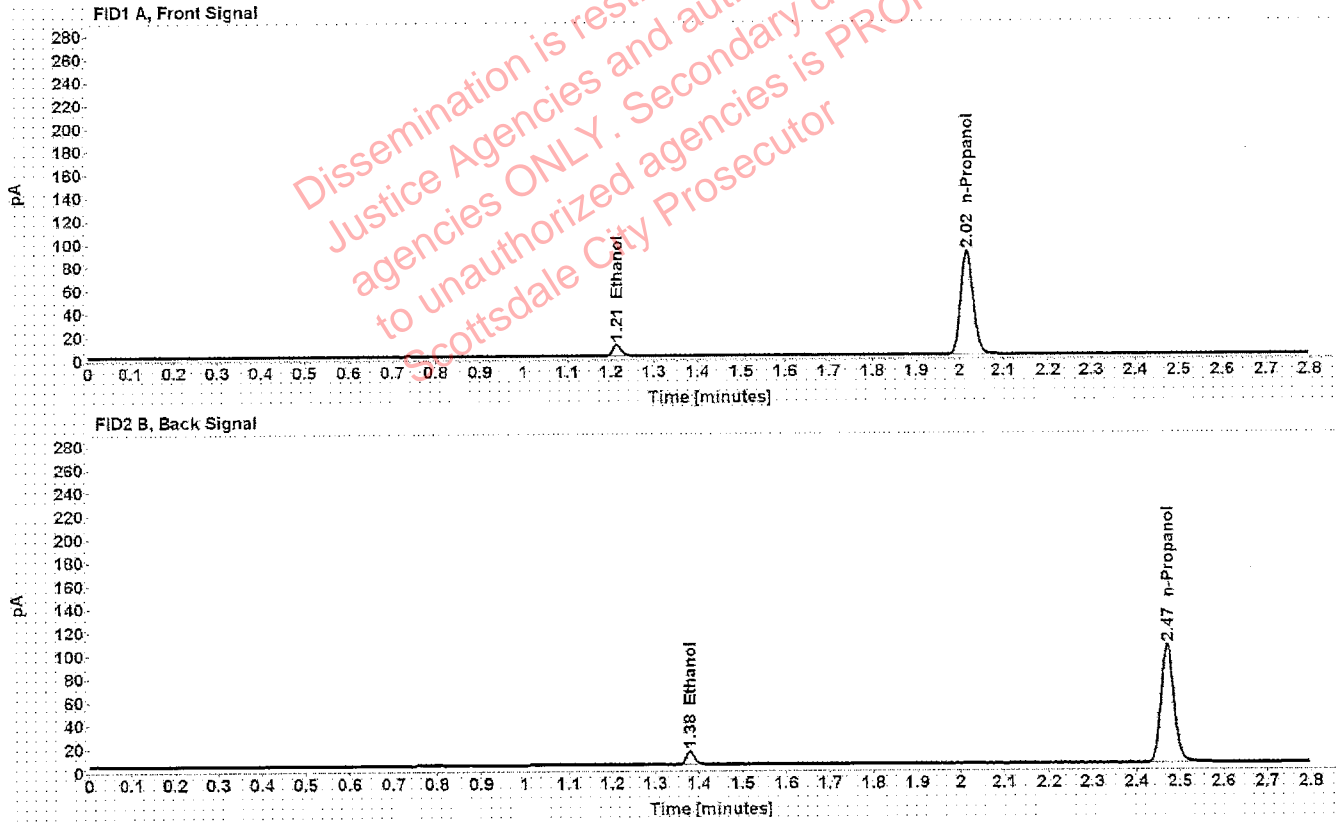


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	12.749
n-Propanol	2.016	178.490

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

Compound	Time (min)	Peak Area
Ethanol	1.379	15.236
n-Propanol	2.471	210.453

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 13Nov19
Method: ethanol quant.M	Injection date: 11/13/2019 4:48:59 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\13Nov19\2.D	

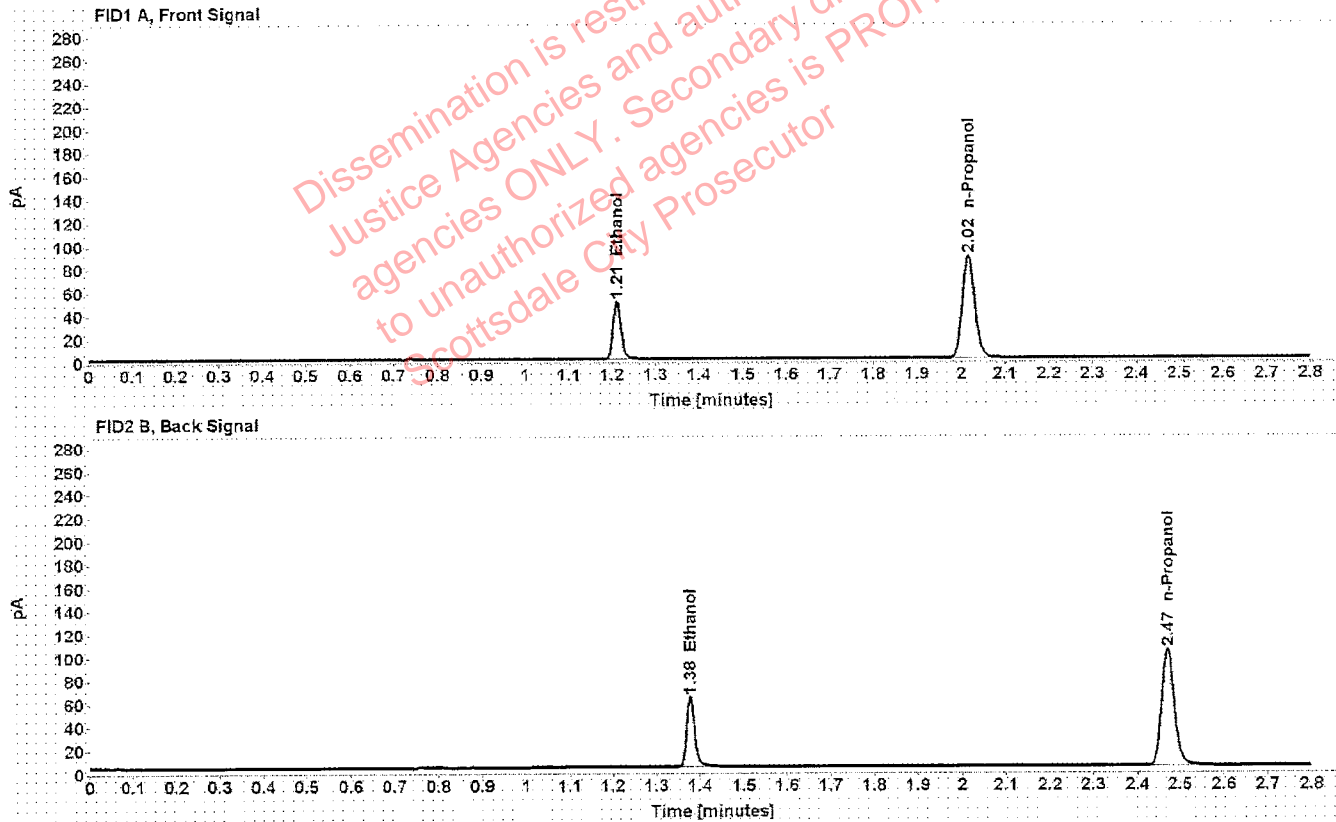


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	64.092
n-Propanol	2.016	175.963

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

Compound	Time (min)	Peak Area
Ethanol	1.377	78.142
n-Propanol	2.471	208.844

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.200 FN06231704	Vial:	3
Description:	0.200 calibrator	Sequence:	13Nov19
Method:	ethanol quant.M	Injection date:	11/13/2019 4:52:59 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke
Data file:	C:\Chem32\1\Data\13Nov19\3.D		

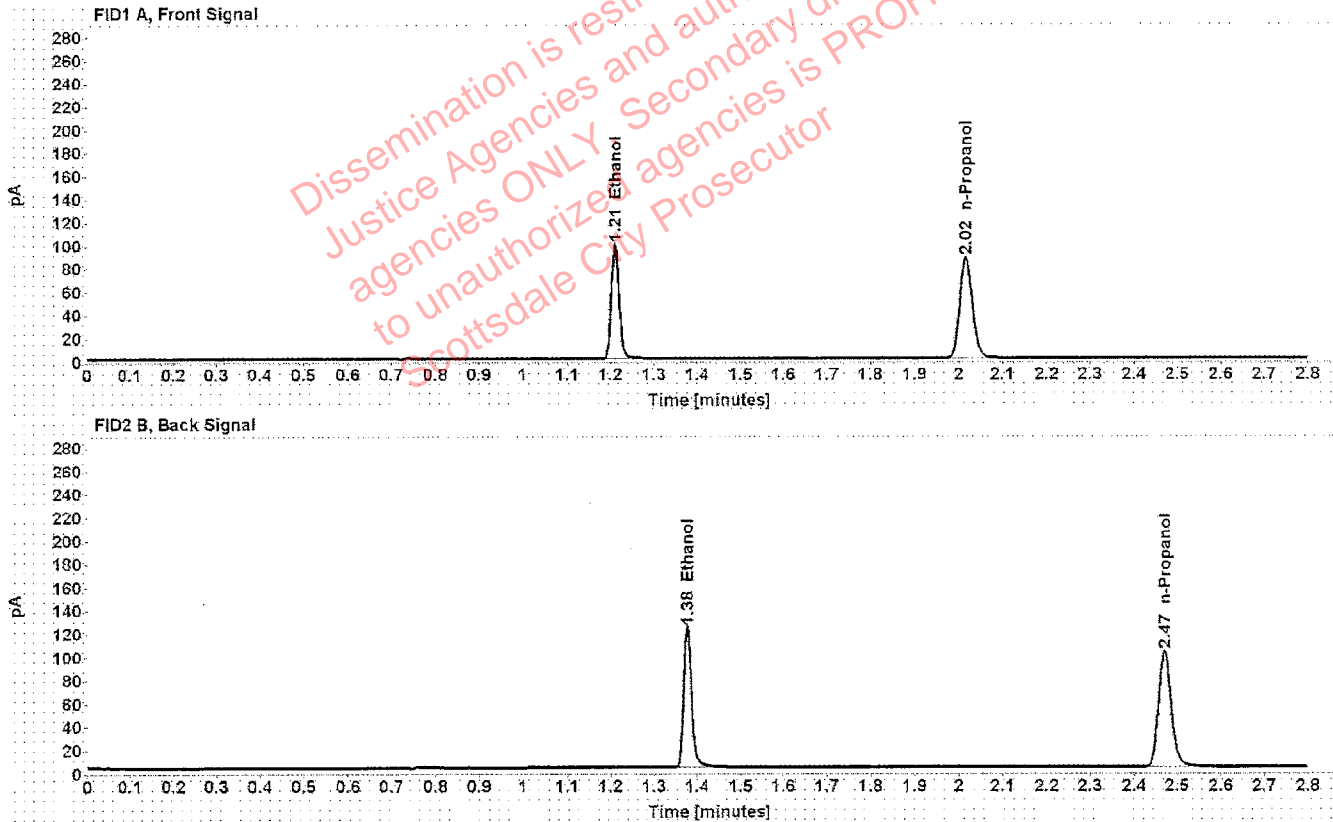


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	126.272
n-Propanol	2.016	173.477

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

Compound	Time (min)	Peak Area
Ethanol	1.377	154.602
n-Propanol	2.471	206.224

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 13Nov19
Method: ethanol quant.M	Injection date: 11/13/2019 4:56:59 PM
Instrument: US14173023 CN14160045	Analyst: Brooke RB
Data file: C:\Chem32\1\Data\13Nov19\4.D	

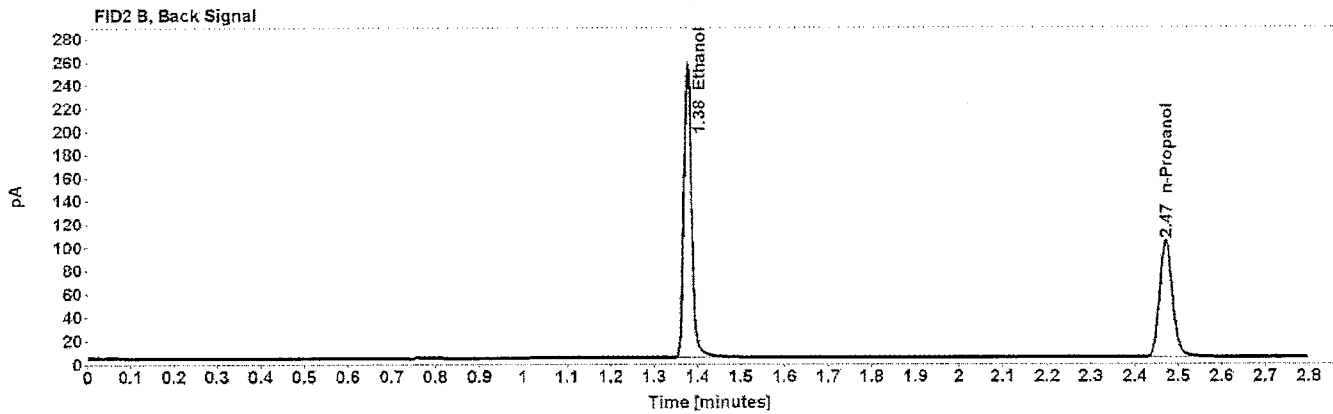
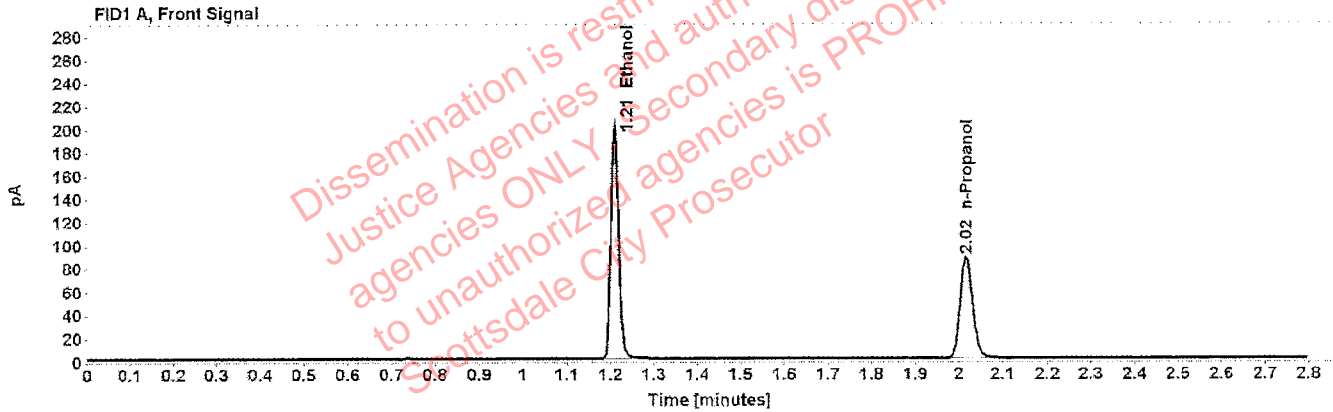


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	256.854
n-Propanol	2.017	174.596

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

Compound	Time (min)	Peak Area
Ethanol	1.377	317.117
n-Propanol	2.471	208.139

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 080519	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 13Nov19
Instrument: US14173023 CN14160045	Injection date: 11/13/2019 5:01:00 PM
Data file: C:\Chem32\1\Data\13Nov19\5.D	Analyst: Brooke

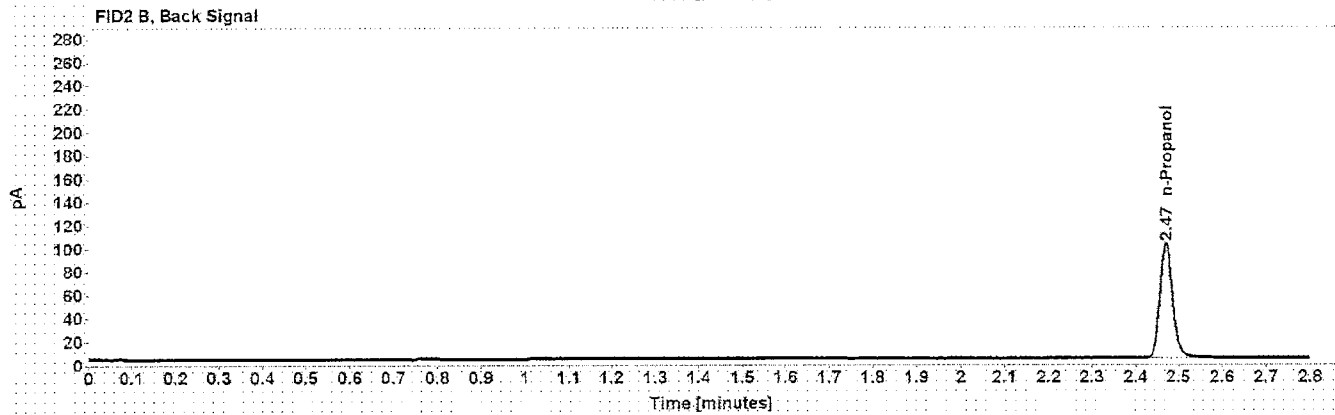
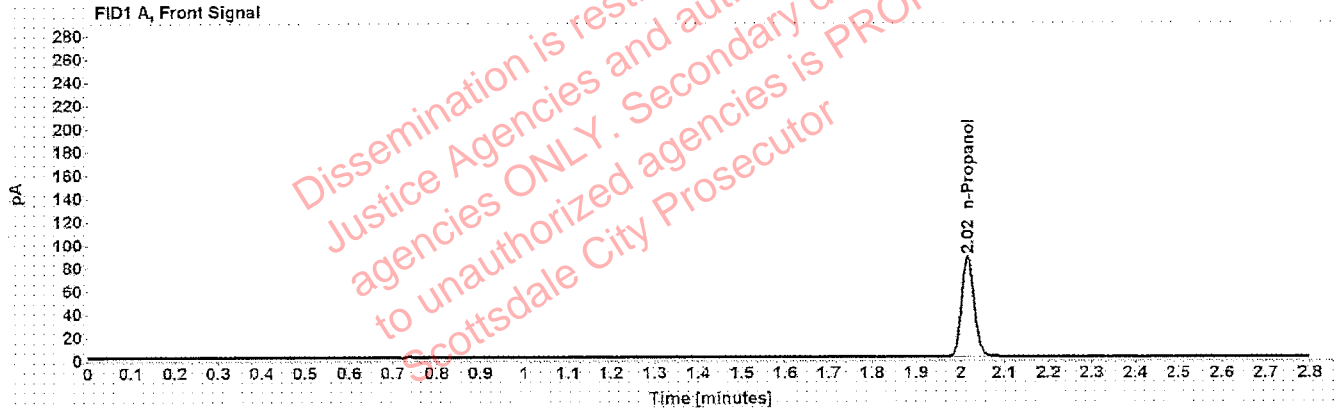


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	173.087

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	205.257

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	volatiles mix 070819	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:05:00 PM
Data file:	C:\Chem32\1\Data\13Nov19\6.D	Analyst:	Brooke

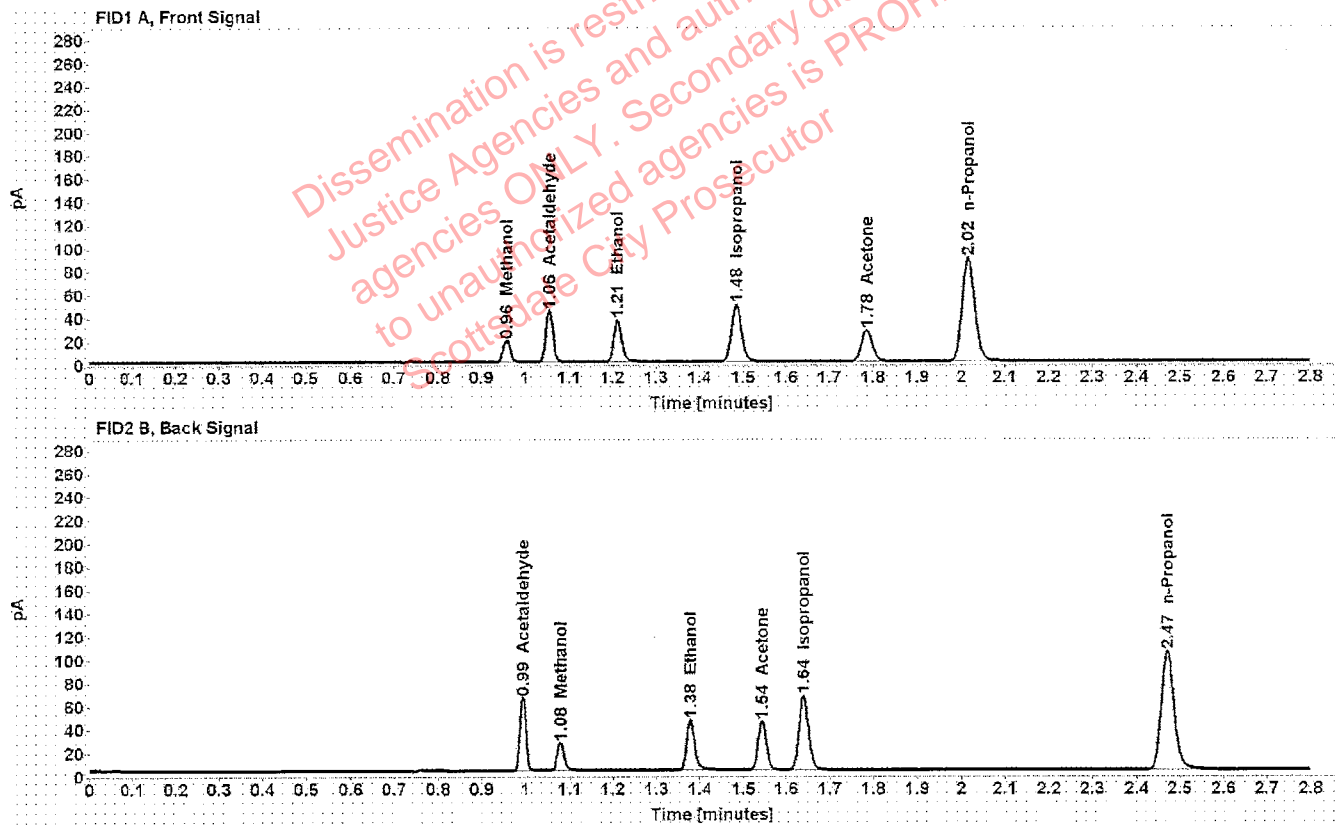


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.958	21.045
Acetaldehyde	-----	1.055	47.994
>Ethanol	0.0719	1.211	46.277
Isopropanol	-----	1.485	78.683
Acetone	-----	1.785	46.287
n-Propanol	-----	2.016	177.553

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	62.083
Methanol	1.079	26.818
Ethanol	1.378	56.393
Acetone	1.543	55.645
Isopropanol	1.639	98.092
n-Propanol	2.471	211.764

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 08012015-C	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 13Nov19
Instrument: US14173023 CN14160045	Injection date: 11/13/2019 5:09:14 PM
Data file: C:\Chem32\1\Data\13Nov19\7.D	Analyst: Brooke

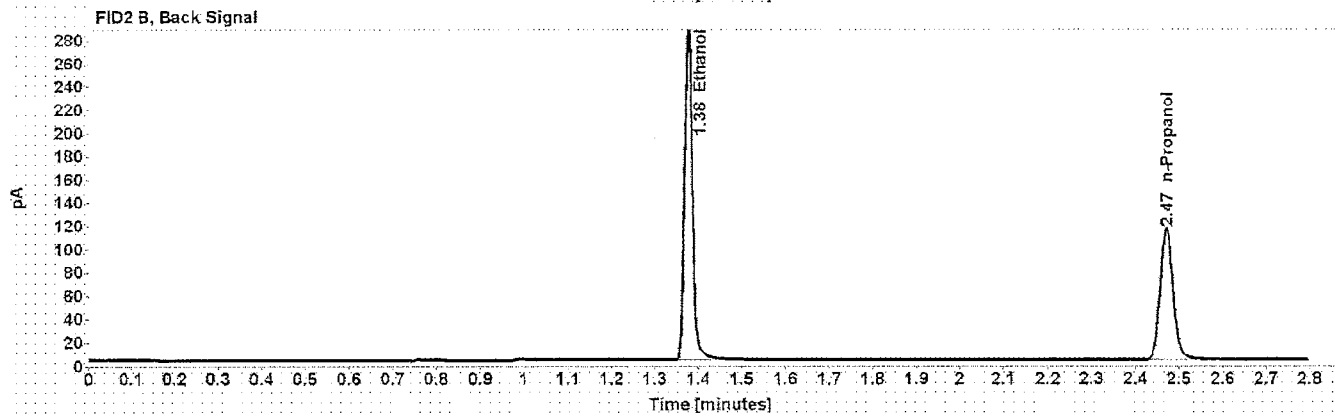
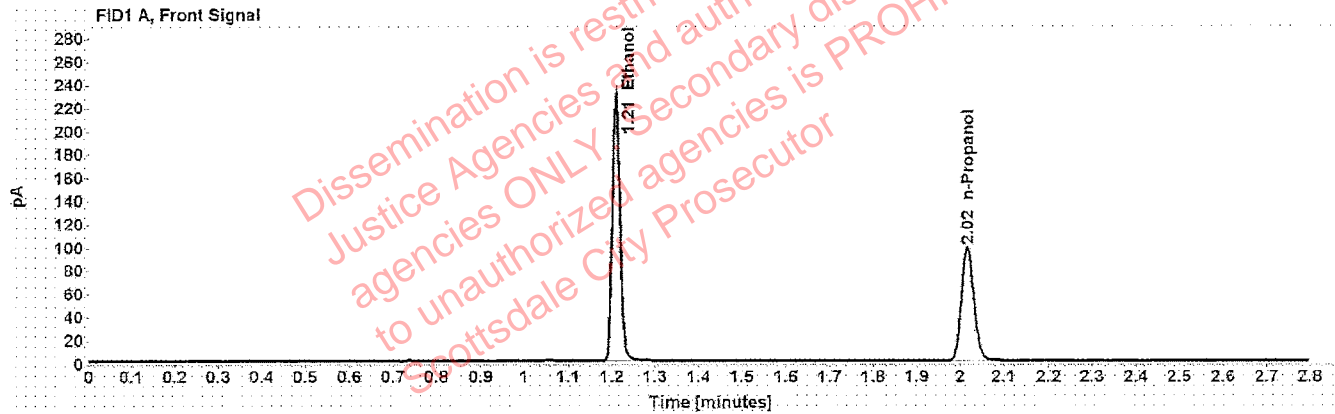


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4096	1.210	294.871
n-Propanol	-----	2.016	196.001

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

Compound	Time (min)	Peak Area
Ethanol	1.377	363.852
n-Propanol	2.471	233.956

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.040 09022015-A	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 13Nov19
Instrument: US14173023 CN14160045	Injection date: 11/13/2019 5:13:14 PM
Data file: C:\Chem32\1\Data\13Nov19\8.D	Analyst: Brooke PG

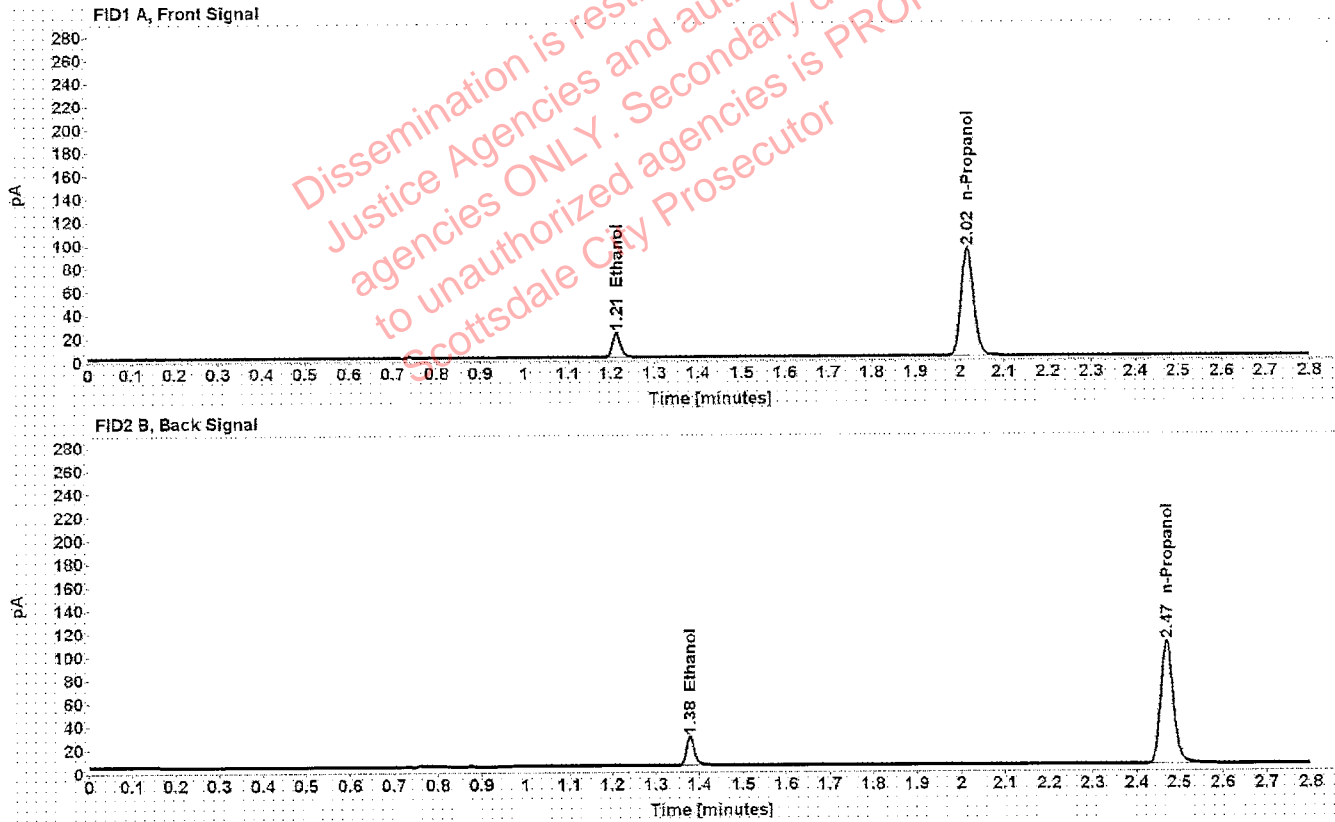


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0405	1.212	26.791
n-Propanol	-----	2.016	185.034

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

Compound	Time (min)	Peak Area
Ethanol	1.378	32.418
n-Propanol	2.471	219.582

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.198 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 13Nov19
Instrument: US14173023 CN14160045	Injection date: 11/13/2019 5:17:15 PM
Data file: C:\Chem32\1\Data\13Nov19\9.D	Analyst: Brooke <i>PS</i>

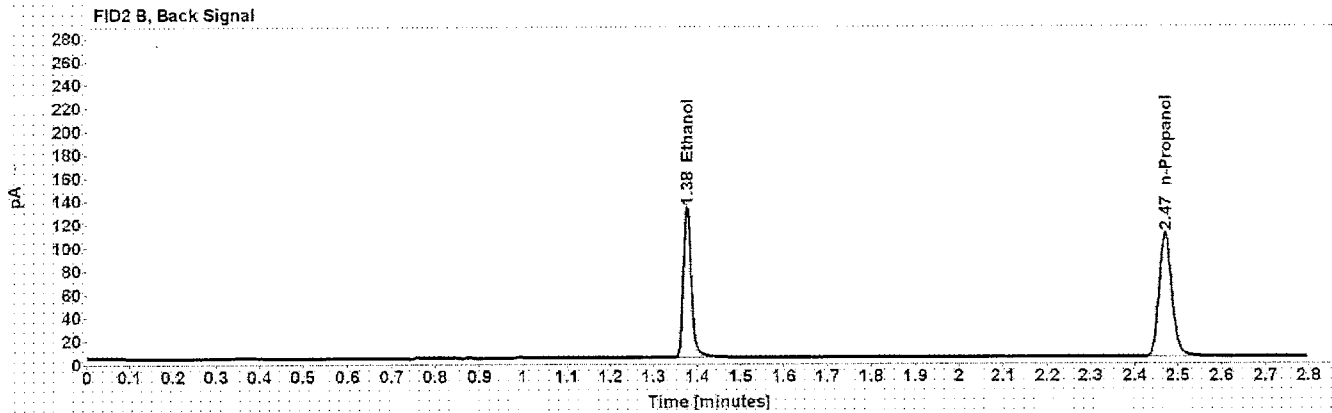
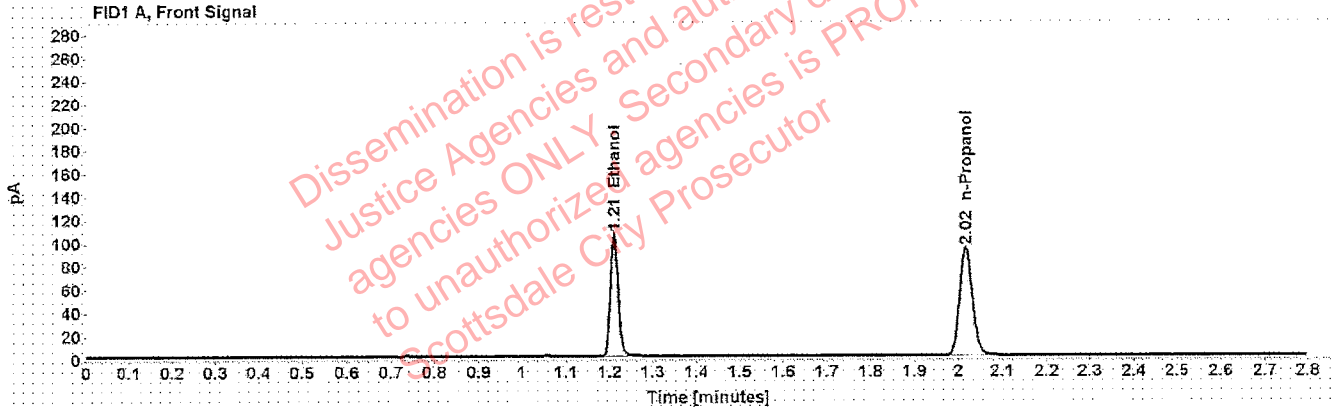


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1990	1.210	135.328
n-Propanol	-----	2.016	185.754

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

Compound	Time (min)	Peak Area
Ethanol	1.377	165.688
n-Propanol	2.471	221.065

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 13Nov19
Instrument: US14173023 CN14160045	Injection date: 11/13/2019 6:01:44 PM
Data file: C:\Chem32\1\Data\13Nov19\20.D	Analyst: Brooke

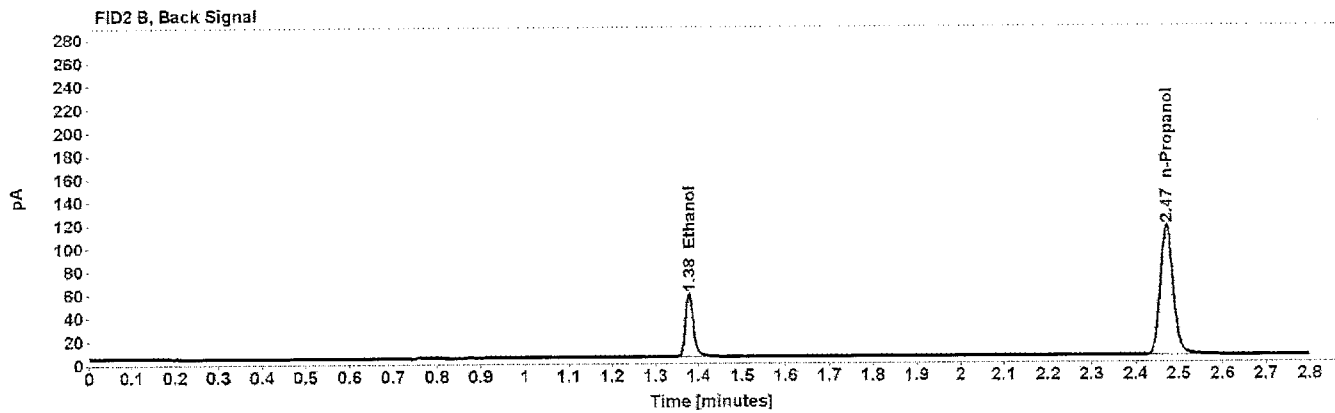
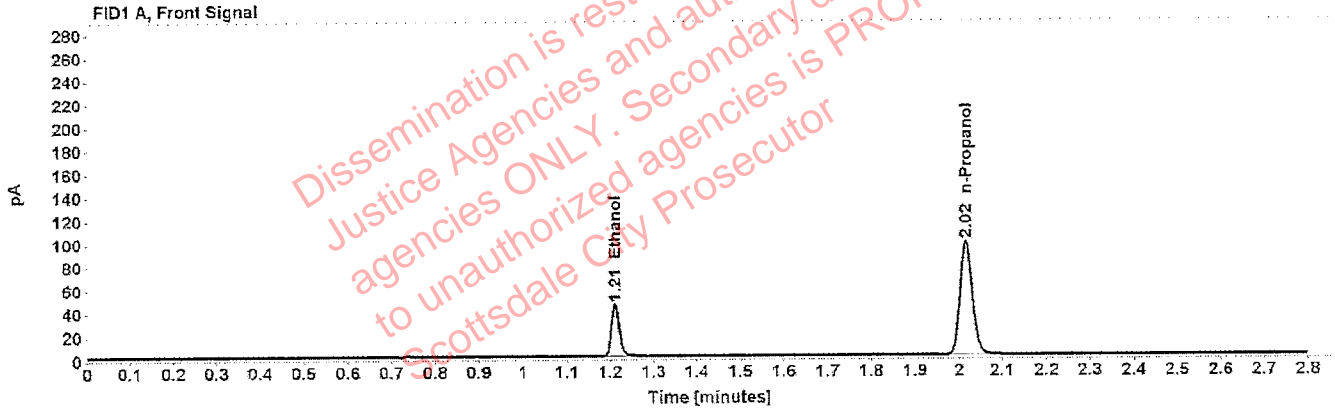


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0816	1.211	57.965
n-Propanol	-----	2.016	195.589

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

Compound	Time (min)	Peak Area
Ethanol	1.378	70.839
n-Propanol	2.471	232.594

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 08012015-C	Vial: 31
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 13Nov19
Instrument: US14173023 CN14160045	Injection date: 11/13/2019 6:46:14 PM
Data file: C:\Chem32\1\Data\13Nov19\31.D	Analyst: Brooke

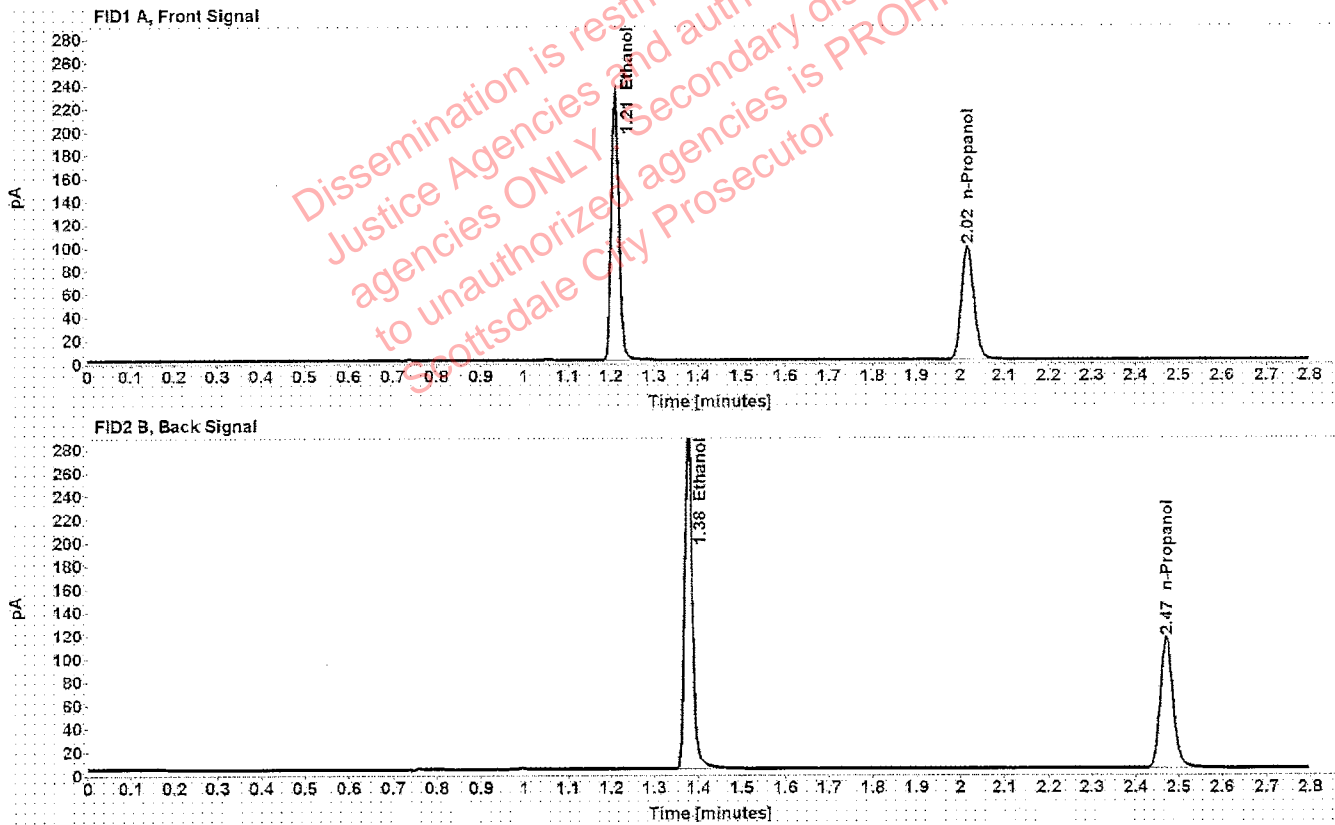


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4105	1.210	295.549
n-Propanol	-----	2.016	196.039

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

Compound	Time (min)	Peak Area
Ethanol	1.377	363.735
n-Propanol	2.471	234.853

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.040 09022015-A	Vial:	32
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:50:14 PM
Data file:	C:\Chem32\1\Data\13Nov19\32.D	Analyst:	Brooke ¹⁰³

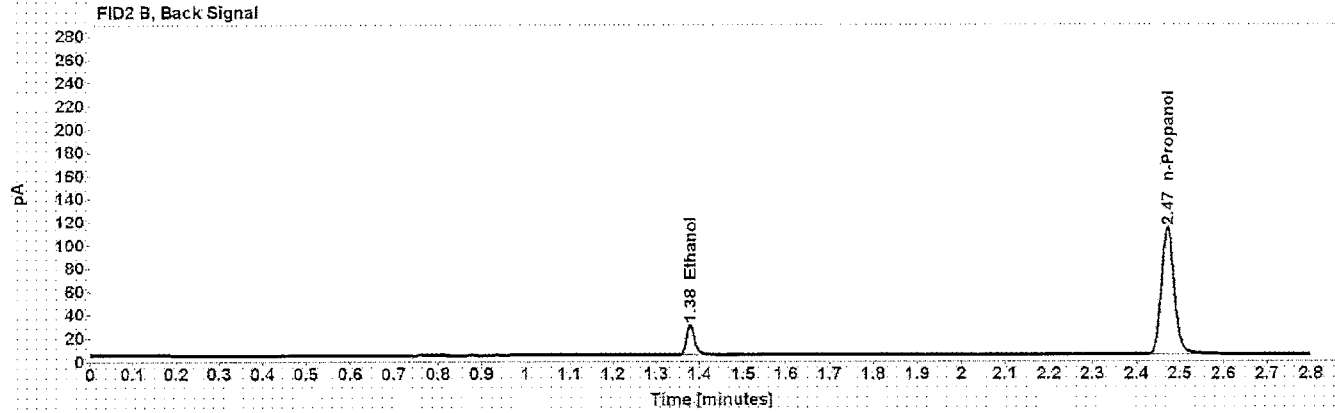
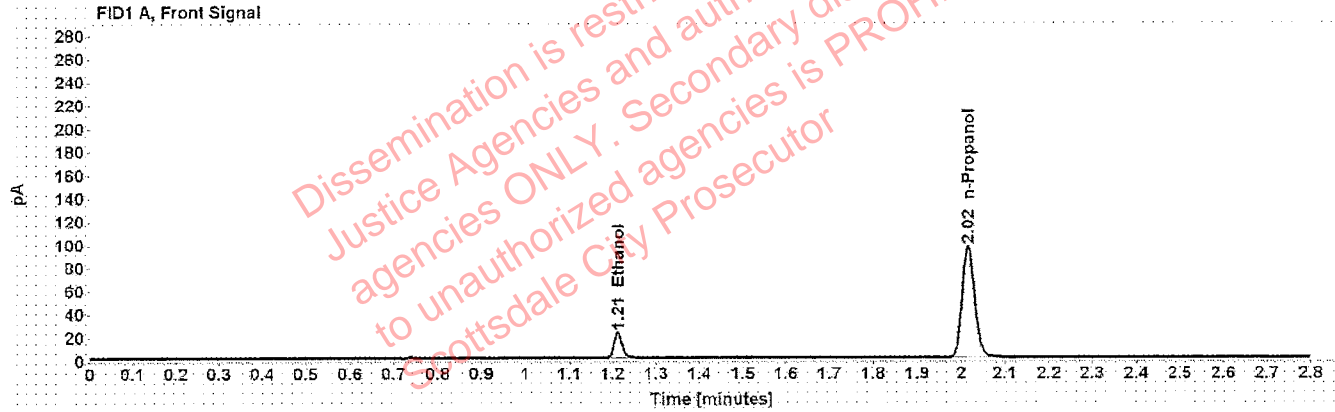


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.212	27.928
n-Propanol	-----	2.016	191.902

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

Compound	Time (min)	Peak Area
Ethanol	1.378	33.689
n-Propanol	2.471	228.754

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.198 407041529/13	Vial: 33
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 13Nov19
Instrument: US14173023 CN14160045	Injection date: 11/13/2019 6:54:15 PM
Data file: C:\Chem32\1\Data\13Nov19\33.D	Analyst: Brooke

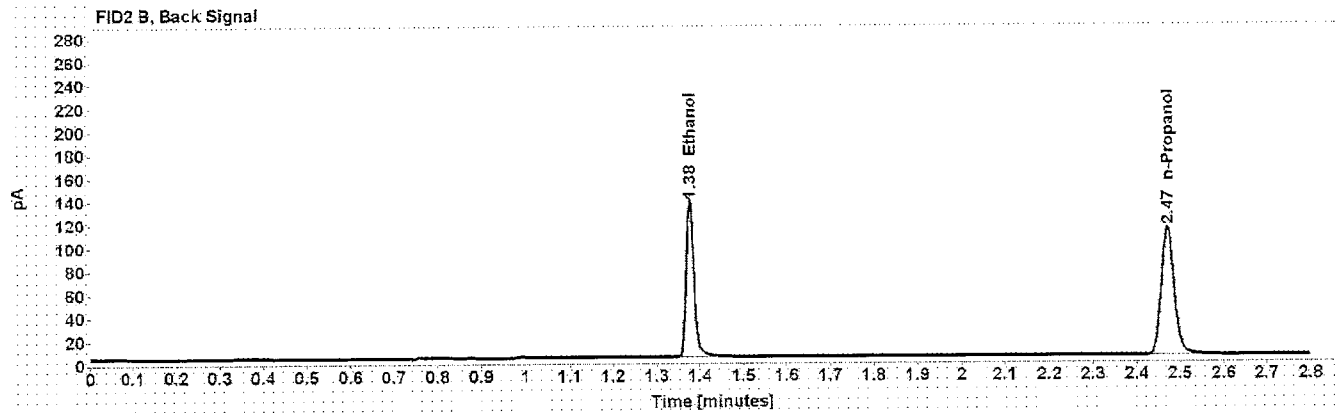
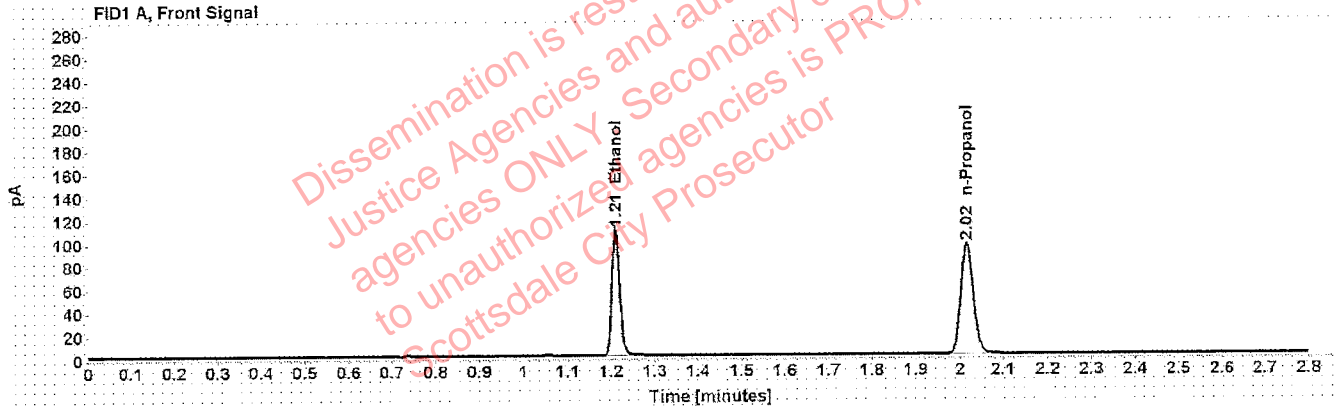


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1998	1.210	140.383
n-Propanol	-----	2.016	191.872

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

Compound	Time (min)	Peak Area
Ethanol	1.377	172.229
n-Propanol	2.471	229.000

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	blank 040919WB	Vial:	34
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:58:14 PM
Data file:	C:\Chem32\1\Data\13Nov19\34.D	Analyst:	Brooke RB

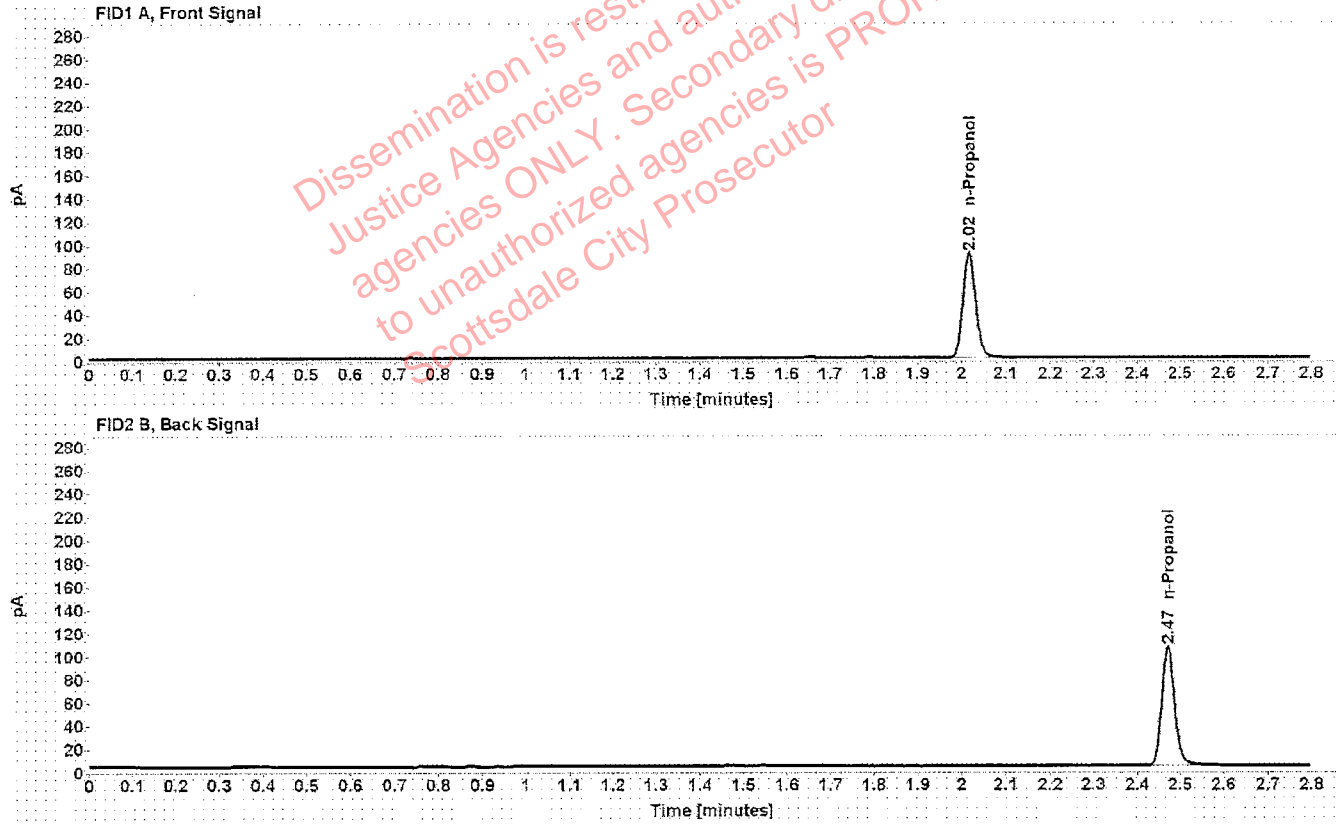


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	180.225

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	214.564

Sequence Summary

Sequence name: 13Nov19 **Instrument:** US14173023 CN14160045 **Analyst:** Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	0.020 FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	0.100 FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	0.200 FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	0.400 FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	blank 080519	Negative	Control		ethanol quant.M
6	volatiles mix 070819	Volatiles mix	Control		ethanol quant.M
7	0.400 08012015-C	0.400	Control		ethanol quant.M
8	0.040 09022015-A	0.040	Control		ethanol quant.M
9	0.198 407041529/13	0.198	Control		ethanol quant.M
10	1295325		Sample		ethanol quant.M
11	1295325		Sample		ethanol quant.M
12	1295344		Sample		ethanol quant.M
13	1295344		Sample		ethanol quant.M
14	1295015		Sample		ethanol quant.M
15	1295015		Sample		ethanol quant.M
16	1295226		Sample		ethanol quant.M
17	1295226		Sample		ethanol quant.M
18	1295350		Sample		ethanol quant.M
19	1295350		Sample		ethanol quant.M
20	0.080 03102016-A/1	0.080	Control		ethanol quant.M
21	1294882		Sample		ethanol quant.M
22	1294882		Sample		ethanol quant.M
23	1296445		Sample		ethanol quant.M
24	1296445		Sample		ethanol quant.M
25	1296252		Sample		ethanol quant.M
26	1296252		Sample		ethanol quant.M
27	1296442		Sample		ethanol quant.M
28	1296442		Sample		ethanol quant.M
29	1295752		Sample		ethanol quant.M
30	1295752		Sample		ethanol quant.M
31	0.400 08012015-C	0.400	Control		ethanol quant.M
32	0.040 09022015-A	0.040	Control		ethanol quant.M
33	0.198 407041529/13	0.198	Control		ethanol quant.M
34	blank 040919WB	Negative	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory Summary of Cases

f6

SEQUENCE NAME: 13Nov19

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	0.1015	0.1004	0.10095	0.54	0.00055
16 17	0.2215	0.2220	0.22175	0.11	0.00025
18 19	0.1824	0.1820	0.18220	0.11	0.00020
21 22	0.0394	0.0396	0.03950	0.25	0.00010
23 24	0.1500	0.1519	0.15095	0.63	0.00095
25 26	0.1022	0.1013	0.10175	0.44	0.00045
27 28	0.1065	0.1059	0.10620	0.28	0.00030
29 30	0.2805	0.2821	0.28130	0.28	0.00080

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

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Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295325	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:21:15 PM
Data file:	C:\Chem32\1\Data\13Nov19\10.D	Analyst:	Brooke

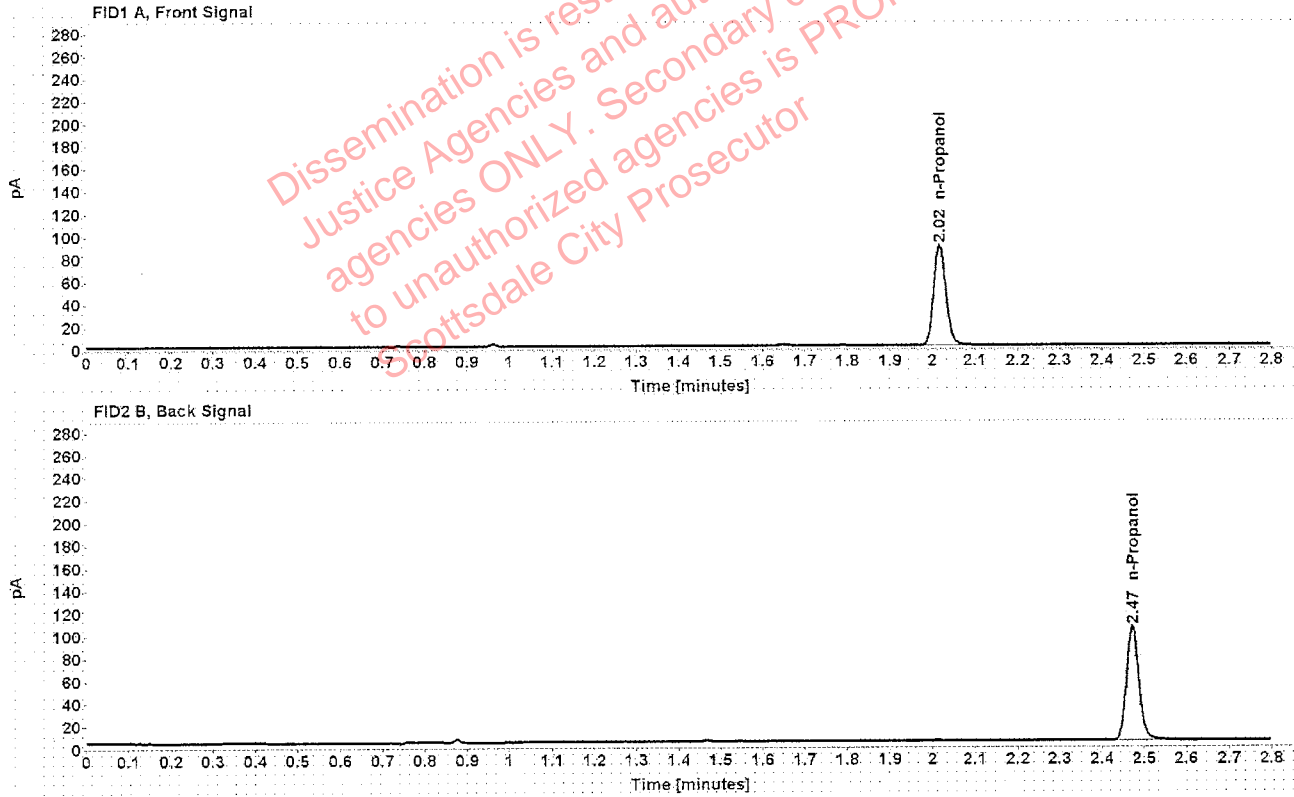


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	176.691

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	210.453

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295325	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:25:14 PM
Data file:	C:\Chem32\1\Data\13Nov19\11.D	Analyst:	Brooke

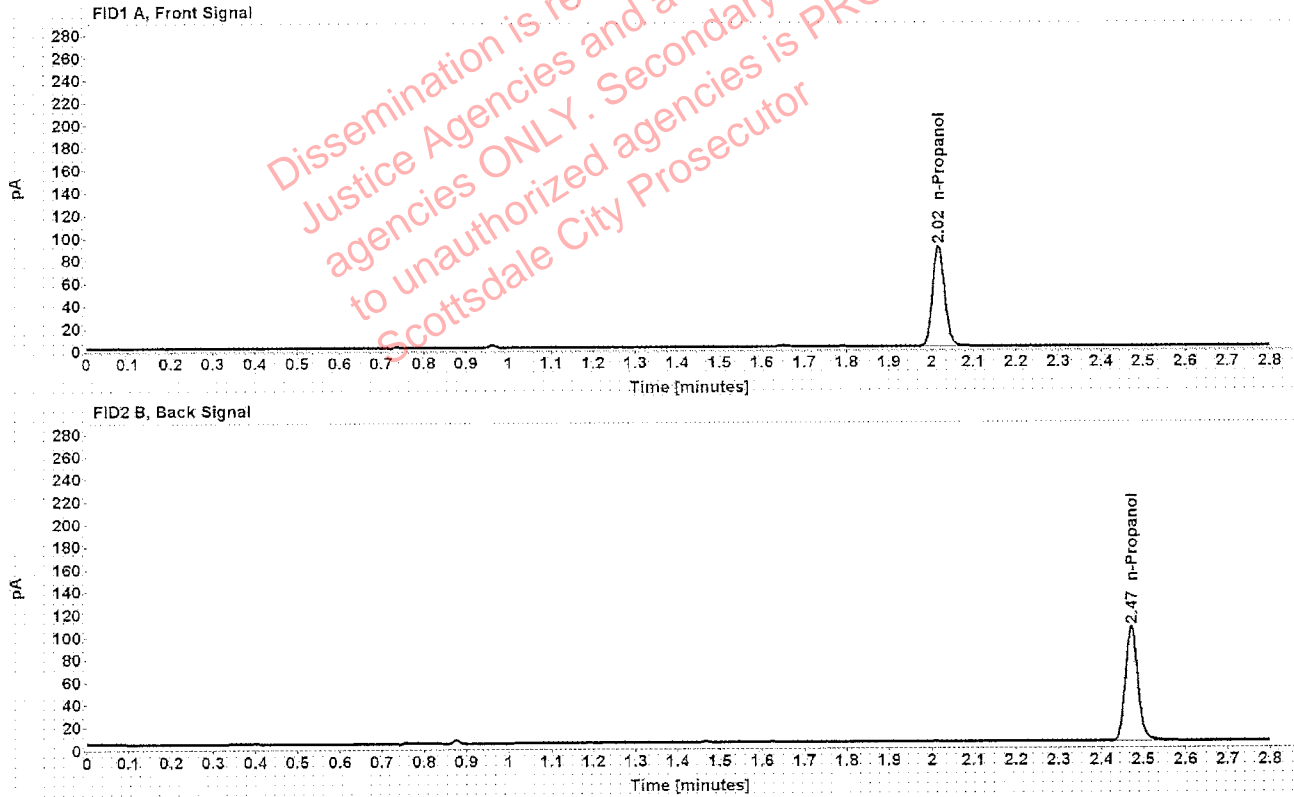


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	177.535

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	211.471

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295344	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:29:15 PM
Data file:	C:\Chem32\1\Data\13Nov19\12.D	Analyst:	Brooke

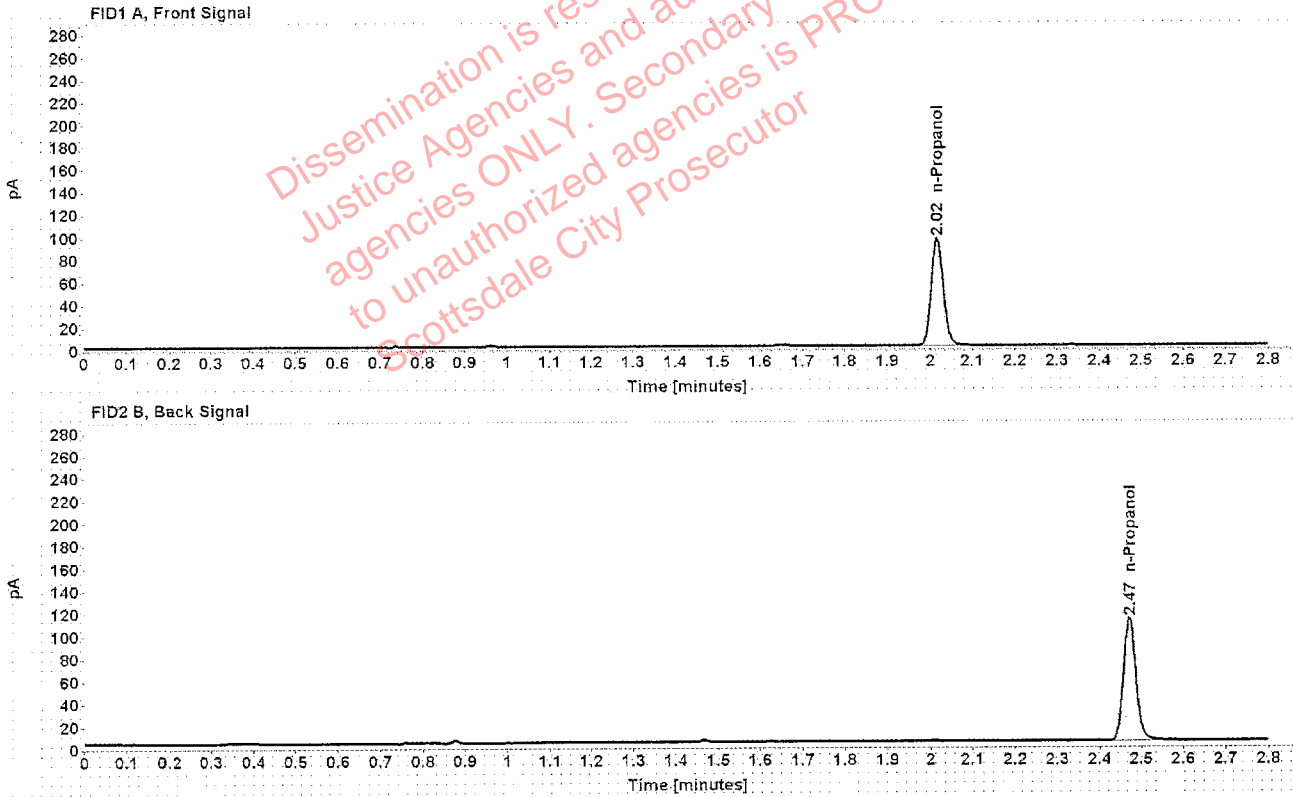


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	189.424

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	226.074

Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295344	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:33:29 PM
Data file:	C:\Chem32\1\Data\13Nov19\13.D	Analyst:	Brooke

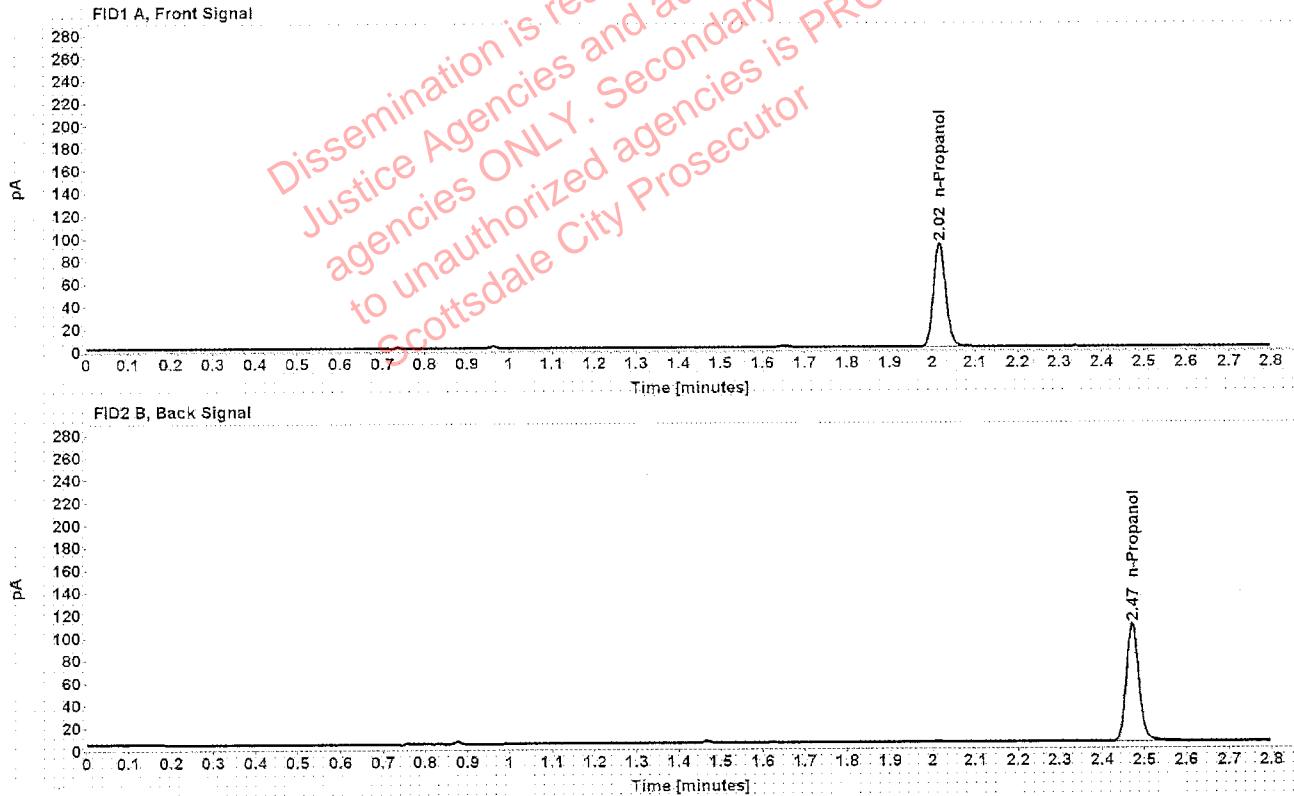


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	183.602

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

Compound	Time (min)	Peak Area
n-Propanol	2.471	219.063

Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295015	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:37:30 PM
Data file:	C:\Chem32\1\Data\13Nov19\14.D	Analyst:	Brooke

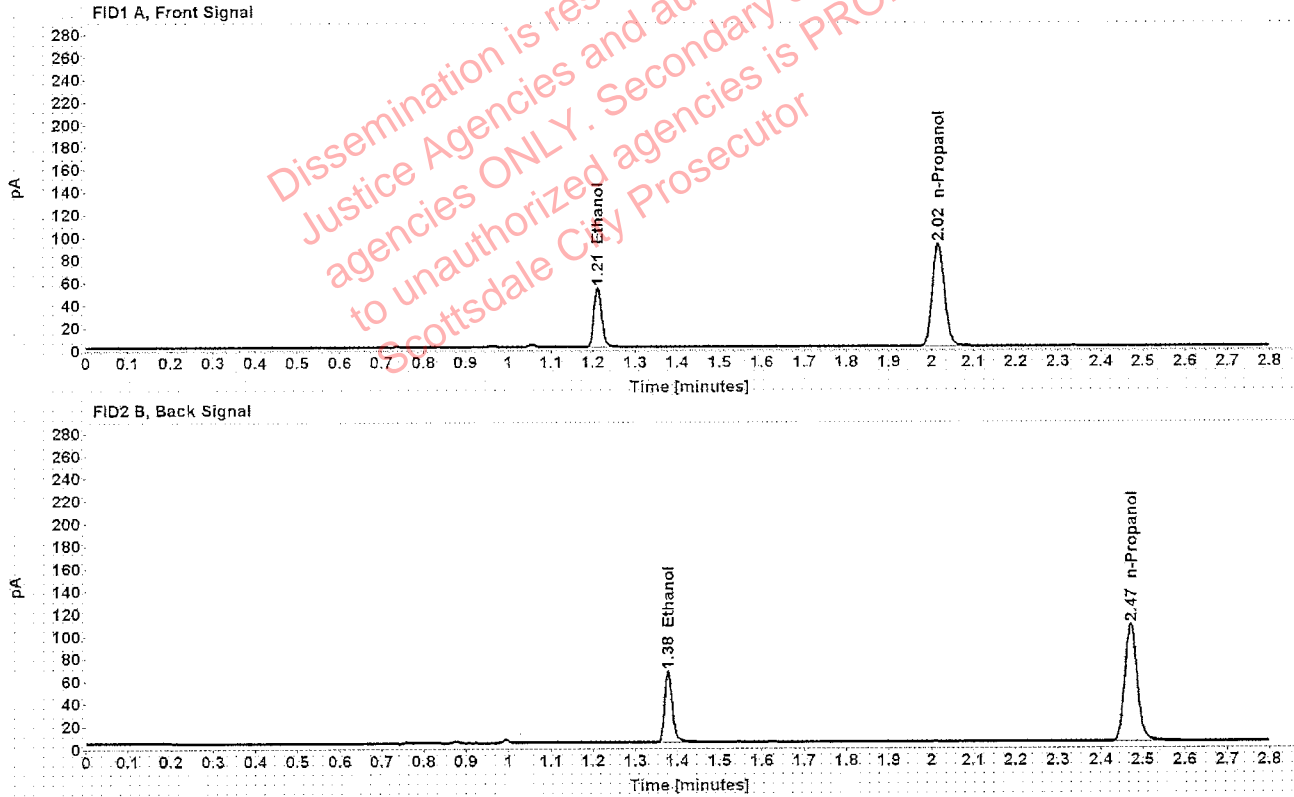


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1015	1.211	67.138
n-Propanol	-----	2.016	181.724

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

Compound	Time (min)	Peak Area
Ethanol	1.377	80.902
n-Propanol	2.471	217.195

Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295015	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:41:29 PM
Data file:	C:\Chem32\1\Data\13Nov19\15.D	Analyst:	Brooke

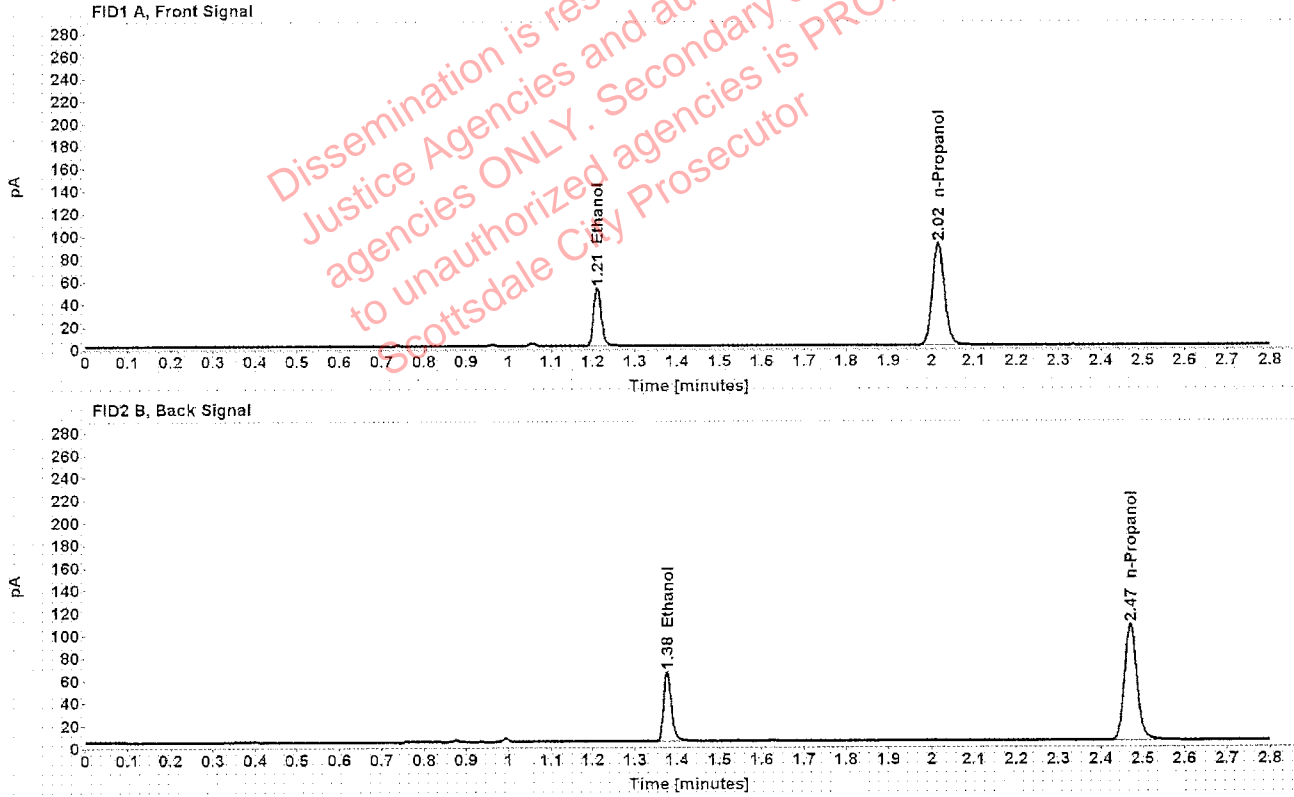


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1004	1.211	66.013
n-Propanol	-----	2.016	180.648

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

Compound	Time (min)	Peak Area
Ethanol	1.376	80.017
n-Propanol	2.470	215.849

Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295226	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:45:30 PM
Data file:	C:\Chem32\1\Data\13Nov19\16.D	Analyst:	Brooke

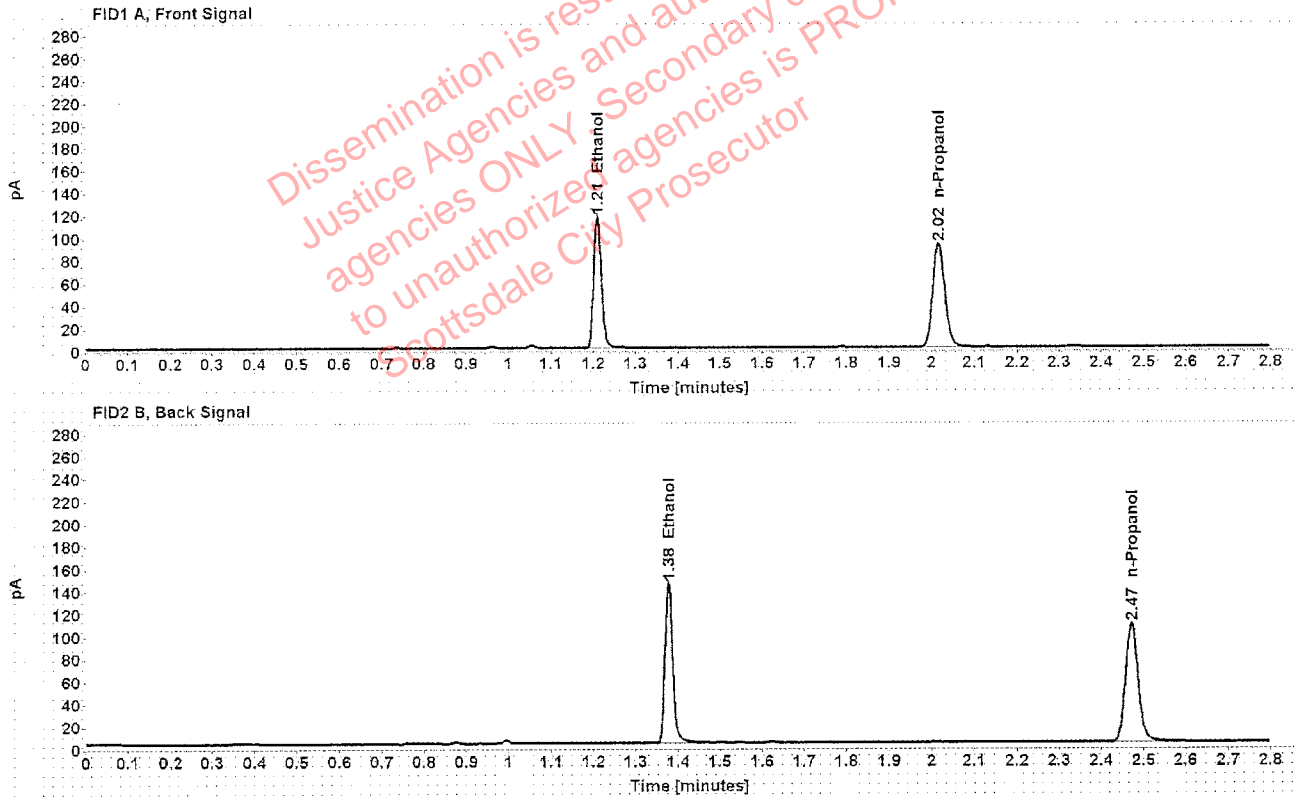


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2215	1.210	149.105
n-Propanol	-----	2.016	183.726

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

Compound	Time (min)	Peak Area
Ethanol	1.377	183.935
n-Propanol	2.471	220.315

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295226	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:49:31 PM
Data file:	C:\Chem32\1\Data\13Nov19\17.D	Analyst:	Brooke

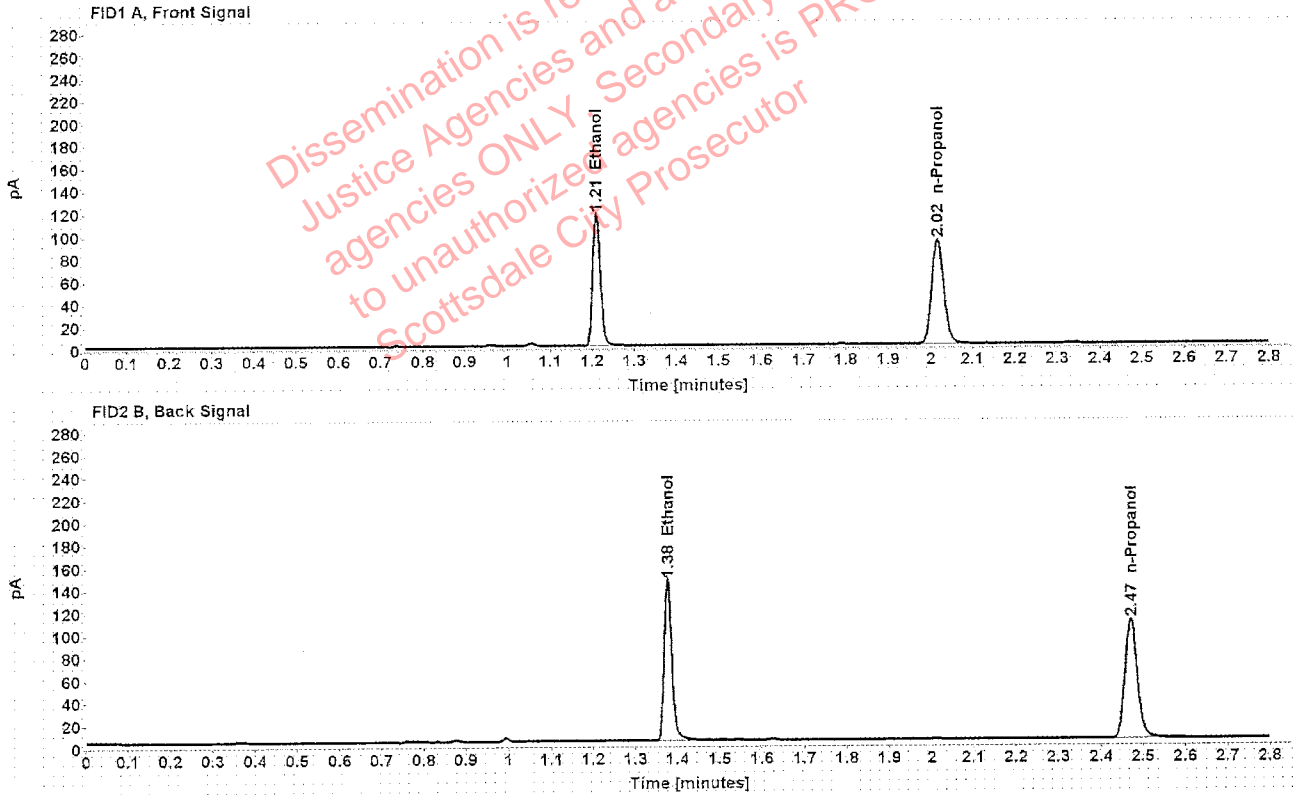


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2220	1.210	149.795
n-Propanol	-----	2.016	184.148

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

Compound	Time (min)	Peak Area
Ethanol	1.377	184.790
n-Propanol	2.471	219.204

Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295350	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:53:29 PM
Data file:	C:\Chem32\1\Data\13Nov19\18.D	Analyst:	Brooke

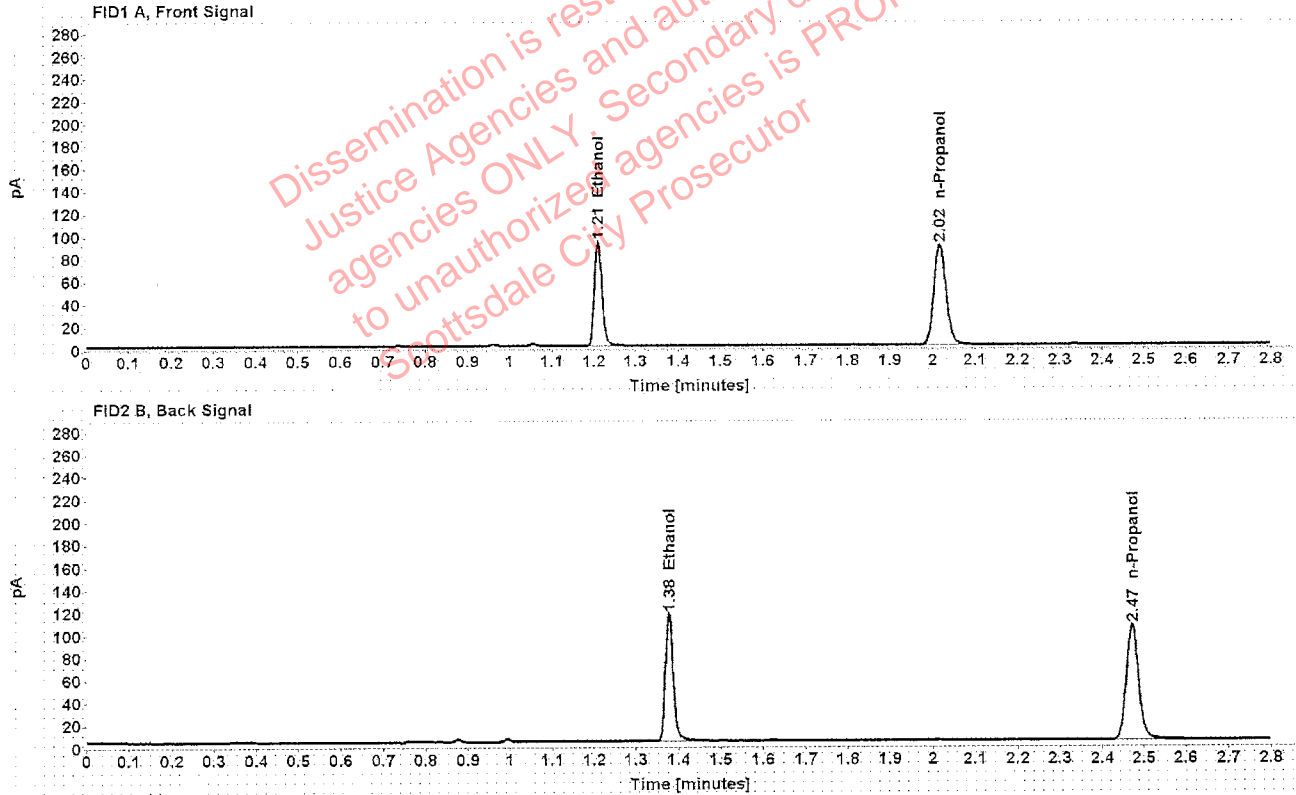


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1824	1.211	118.941
n-Propanol	-----	2.016	178.214

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

Compound	Time (min)	Peak Area
Ethanol	1.377	146.802
n-Propanol	2.471	213.330

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295350	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 5:57:45 PM
Data file:	C:\Chem32\1\Data\13Nov19\19.D	Analyst:	Brooke

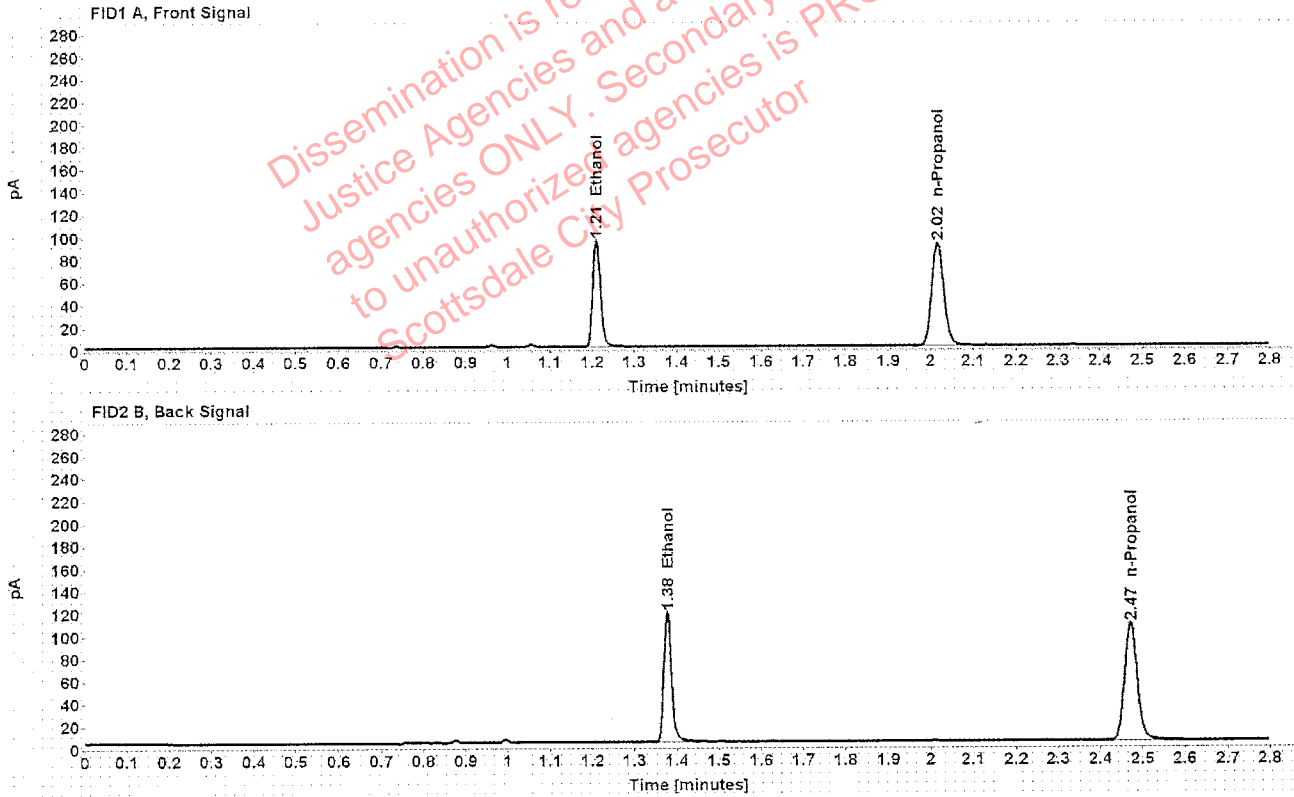


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1820	1.210	121.202
n-Propanol	-----	2.017	181.962

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

Compound	Time (min)	Peak Area
Ethanol	1.377	149.715
n-Propanol	2.471	217.479

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294882	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:05:45 PM
Data file:	C:\Chem32\1\Data\13Nov19\21.D	Analyst:	Brooke

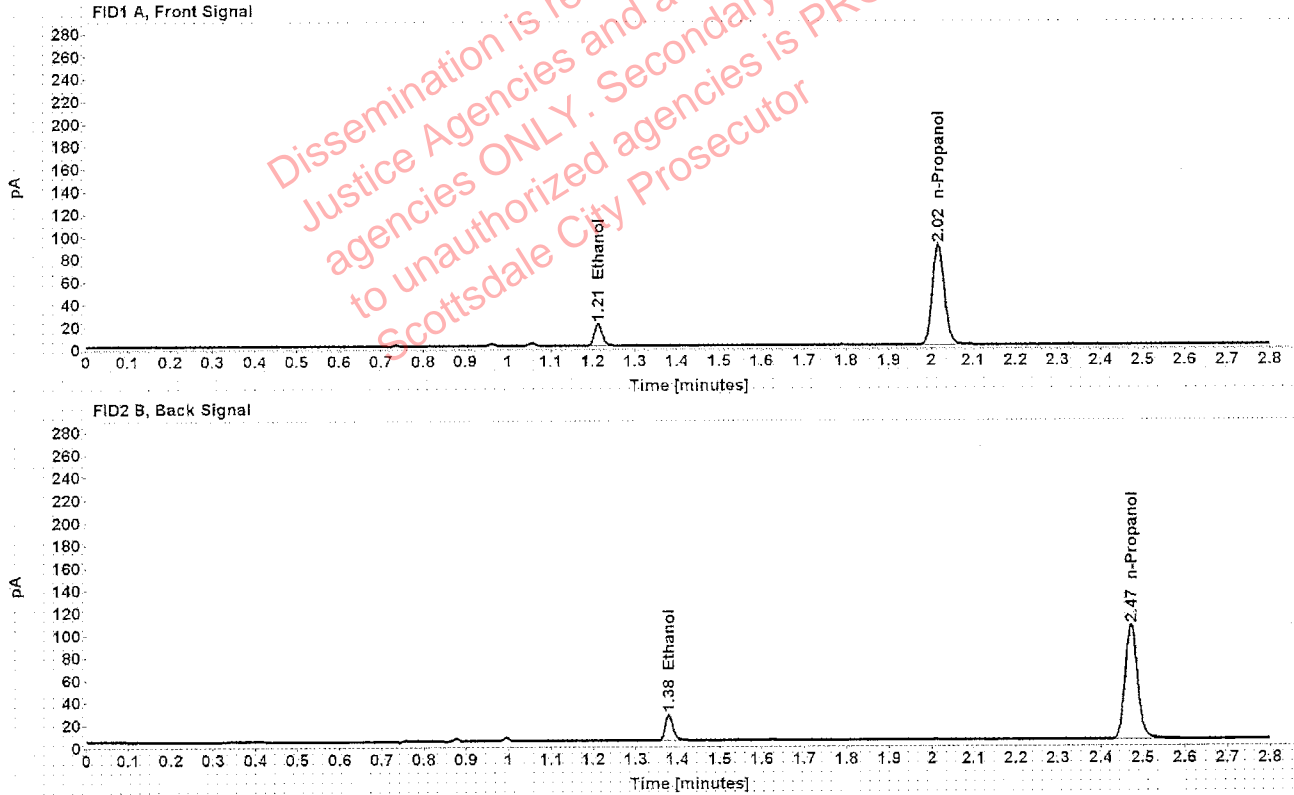


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0394	1.212	25.076
n-Propanol	-----	2.017	178.132

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

Compound	Time (min)	Peak Area
Ethanol	1.379	31.170
n-Propanol	2.471	212.353

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294882	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:09:44 PM
Data file:	C:\Chem32\1\Data\13Nov19\22.D	Analyst:	Brooke

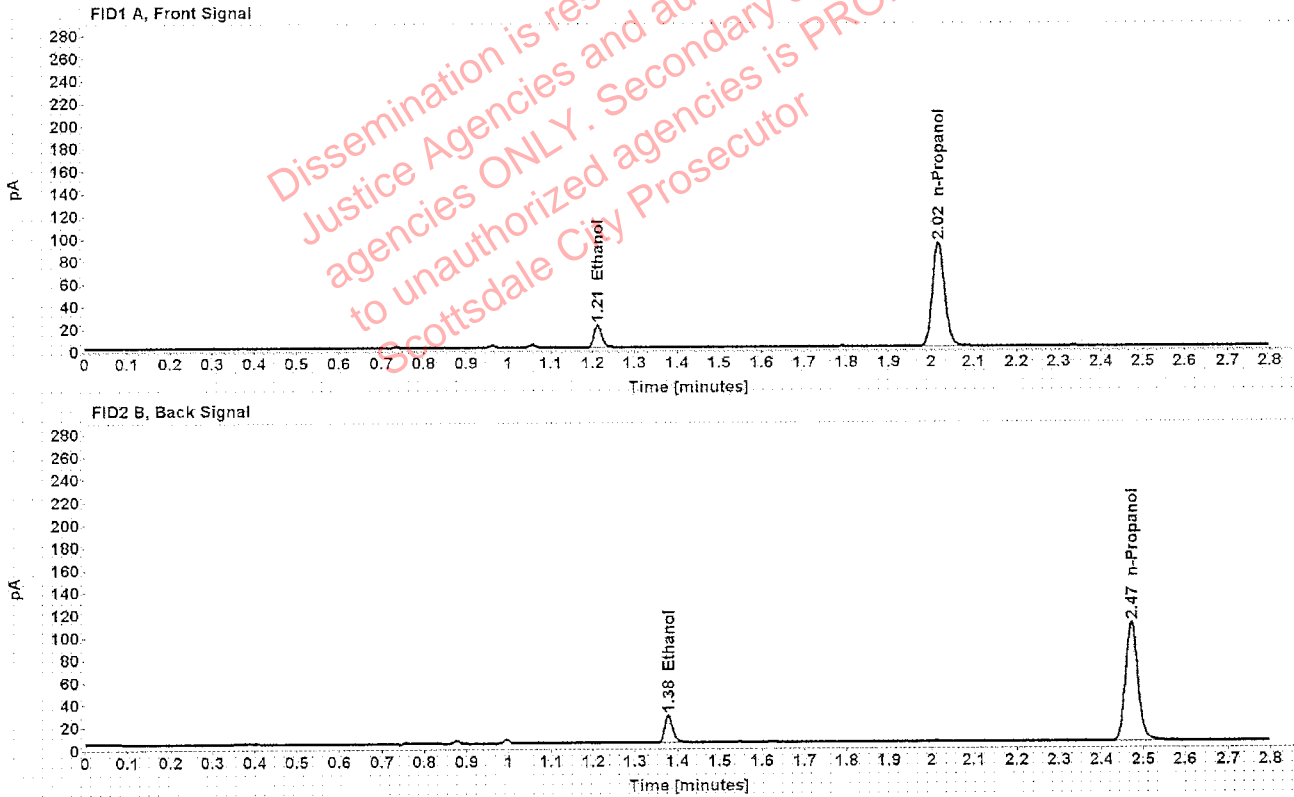


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0396	1.212	26.201
n-Propanol	-----	2.017	185.008

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

Compound	Time (min)	Peak Area
Ethanol	1.379	32.479
n-Propanol	2.471	220.578

Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296445	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:13:44 PM
Data file:	C:\Chem32\1\Data\13Nov19\23.D	Analyst:	Brooke

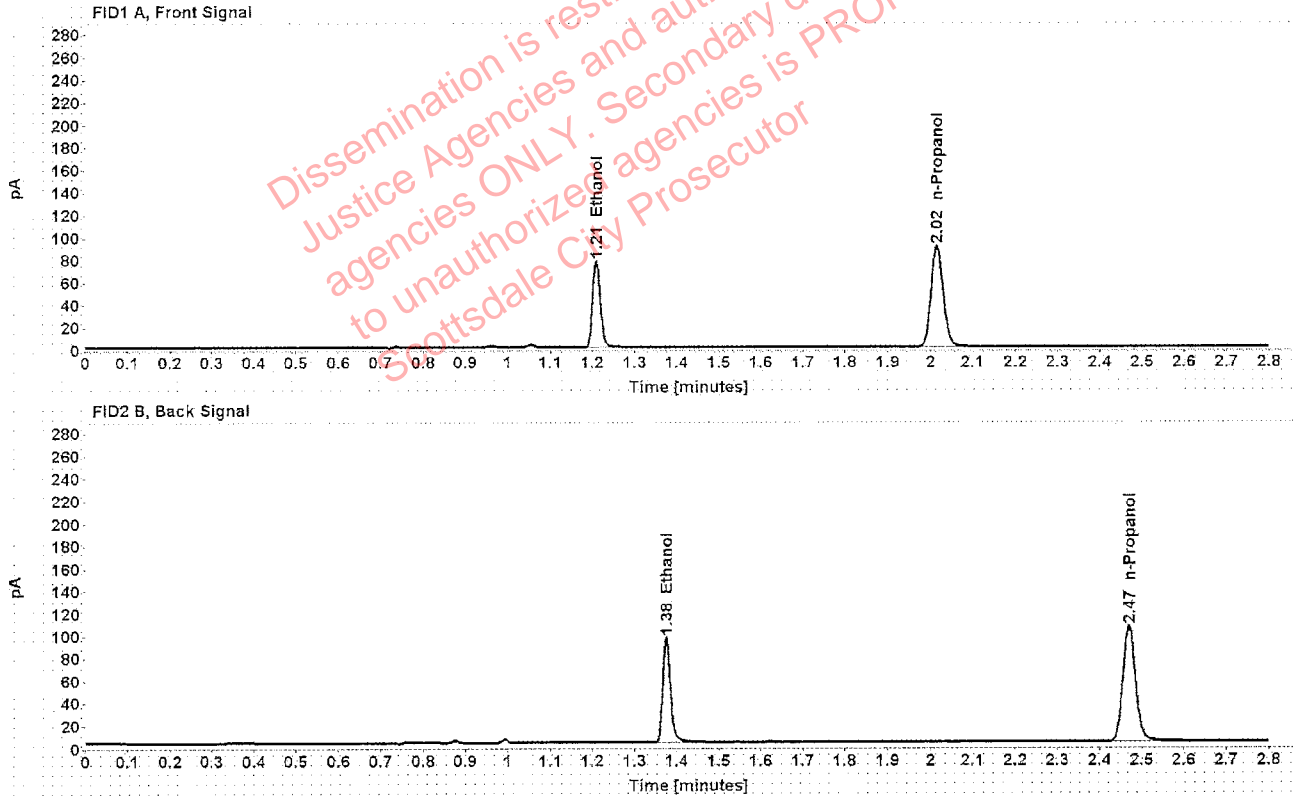


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1500	1.209	98.371
n-Propanol	-----	2.015	179.517

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

Compound	Time (min)	Peak Area
Ethanol	1.375	121.665
n-Propanol	2.469	213.372

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296445	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:17:45 PM
Data file:	C:\Chem32\1\Data\13Nov19\24.D	Analyst:	Brooke

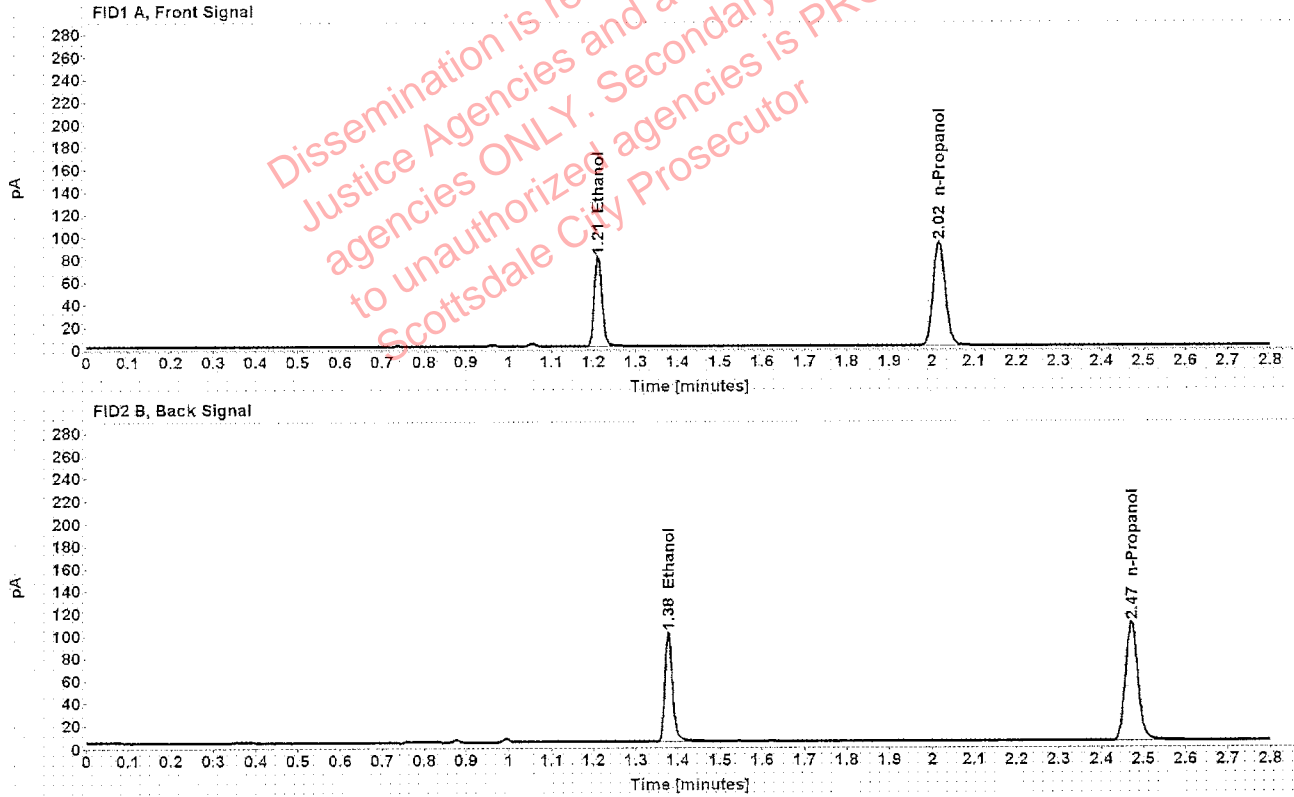


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1519	1.211	102.458
n-Propanol	-----	2.016	184.571

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

Compound	Time (min)	Peak Area
Ethanol	1.377	126.434
n-Propanol	2.471	218.827

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296252	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:21:59 PM
Data file:	C:\Chem32\1\Data\13Nov19\25.D	Analyst:	Brooke

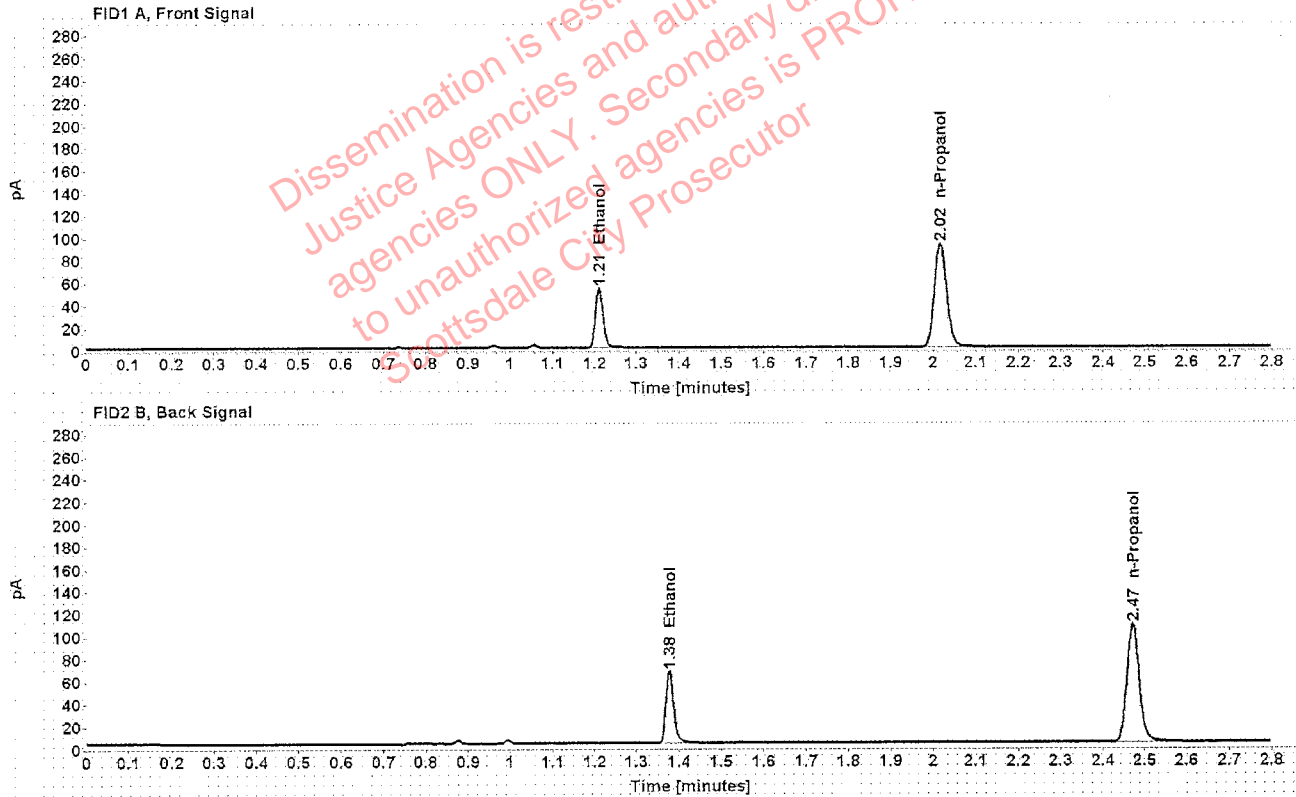


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1022	1.211	68.355
n-Propanol	-----	2.017	183.754

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

Compound	Time (min)	Peak Area
Ethanol	1.378	82.620
n-Propanol	2.471	219.120

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296252	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:25:59 PM
Data file:	C:\Chem32\1\Data\13Nov19\26.D	Analyst:	Brooke

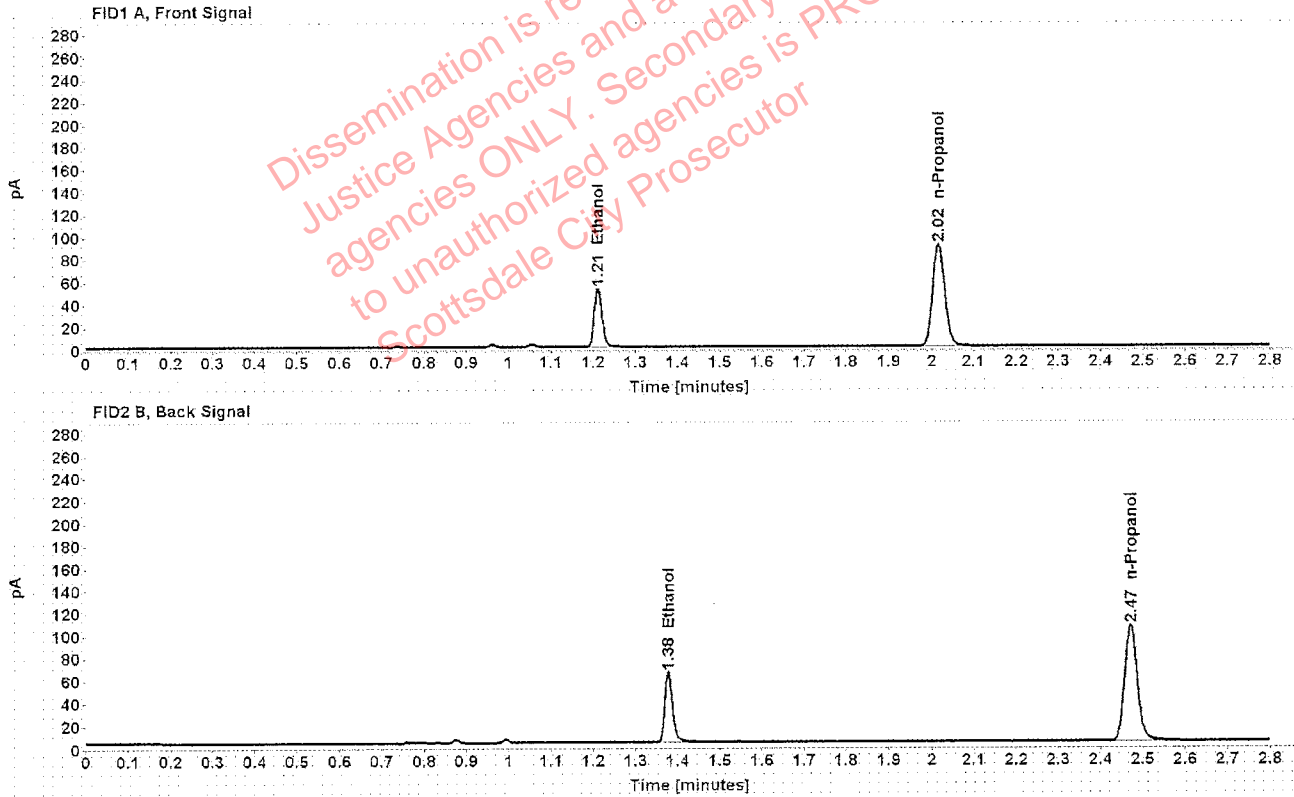


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1013	1.211	66.472
n-Propanol	-----	2.017	180.262

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

Compound	Time (min)	Peak Area
Ethanol	1.378	80.283
n-Propanol	2.471	214.340

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296442	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:29:59 PM
Data file:	C:\Chem32\1\Data\13Nov19\27.D	Analyst:	Brooke

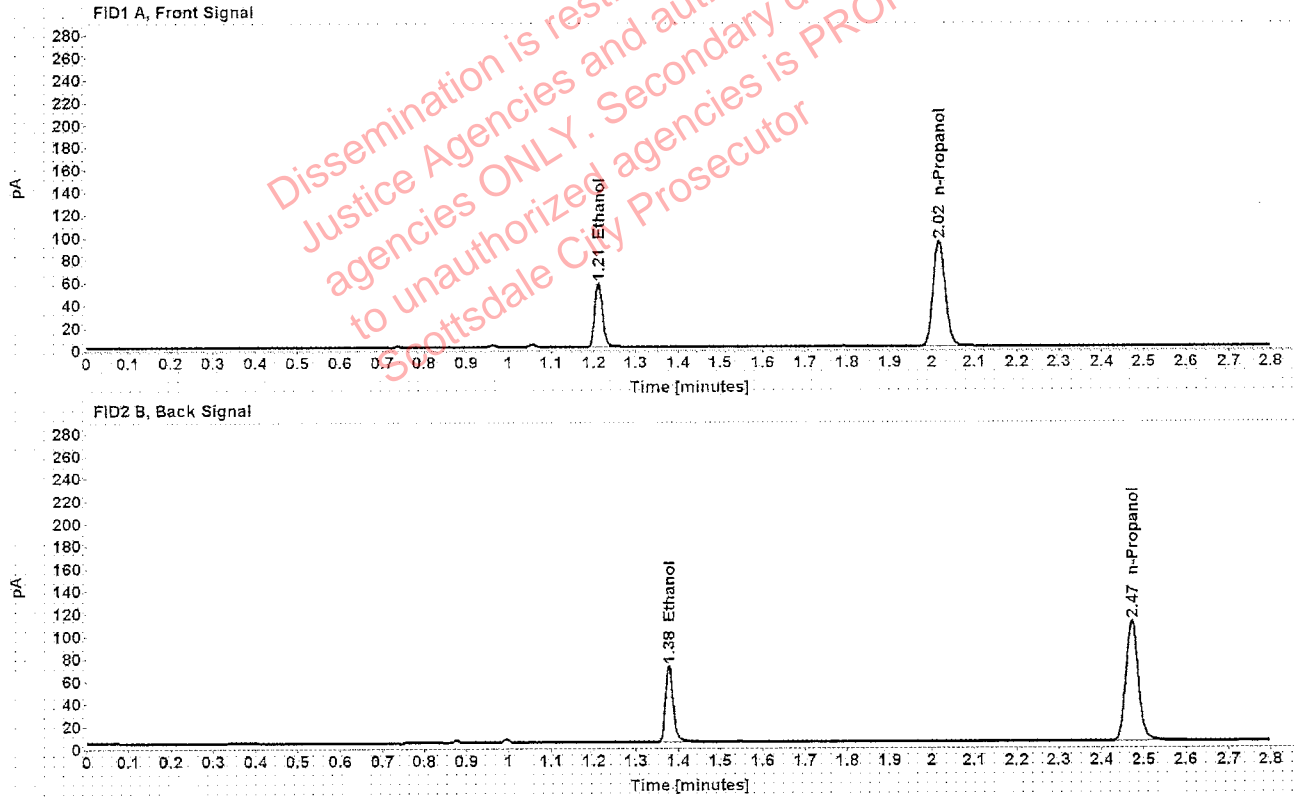


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1065	1.211	72.483
n-Propanol	-----	2.017	186.882

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

Compound	Time (min)	Peak Area
Ethanol	1.378	87.992
n-Propanol	2.471	221.280

Case: [REDACTED] User: pbrooke 11/14/2019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296442	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:33:59 PM
Data file:	C:\Chem32\1\Data\13Nov19\28.D	Analyst:	Brooke

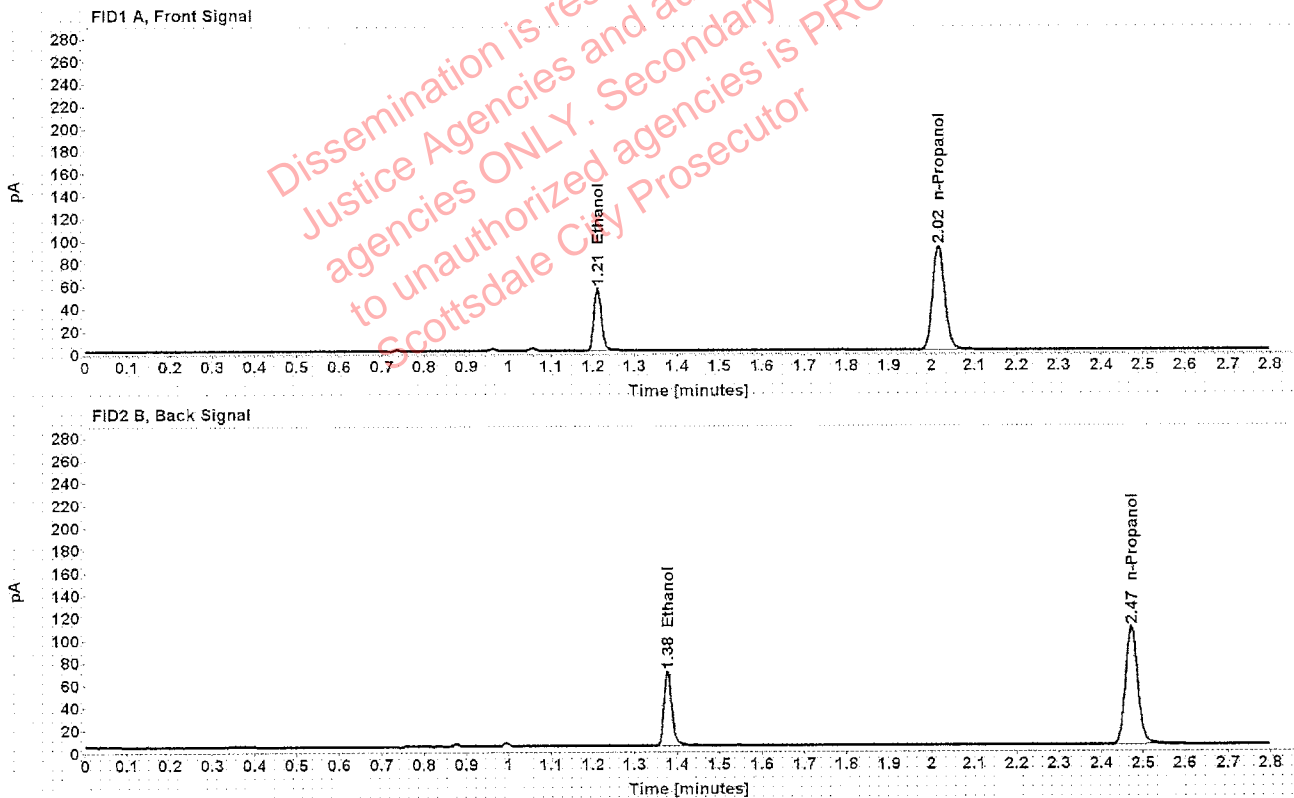


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1059	1.211	70.874
n-Propanol	-----	2.017	183.746

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

Compound	Time (min)	Peak Area
Ethanol	1.378	85.972
n-Propanol	2.471	217.370

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295752	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:37:59 PM
Data file:	C:\Chem32\1\Data\13Nov19\29.D	Analyst:	Brooke

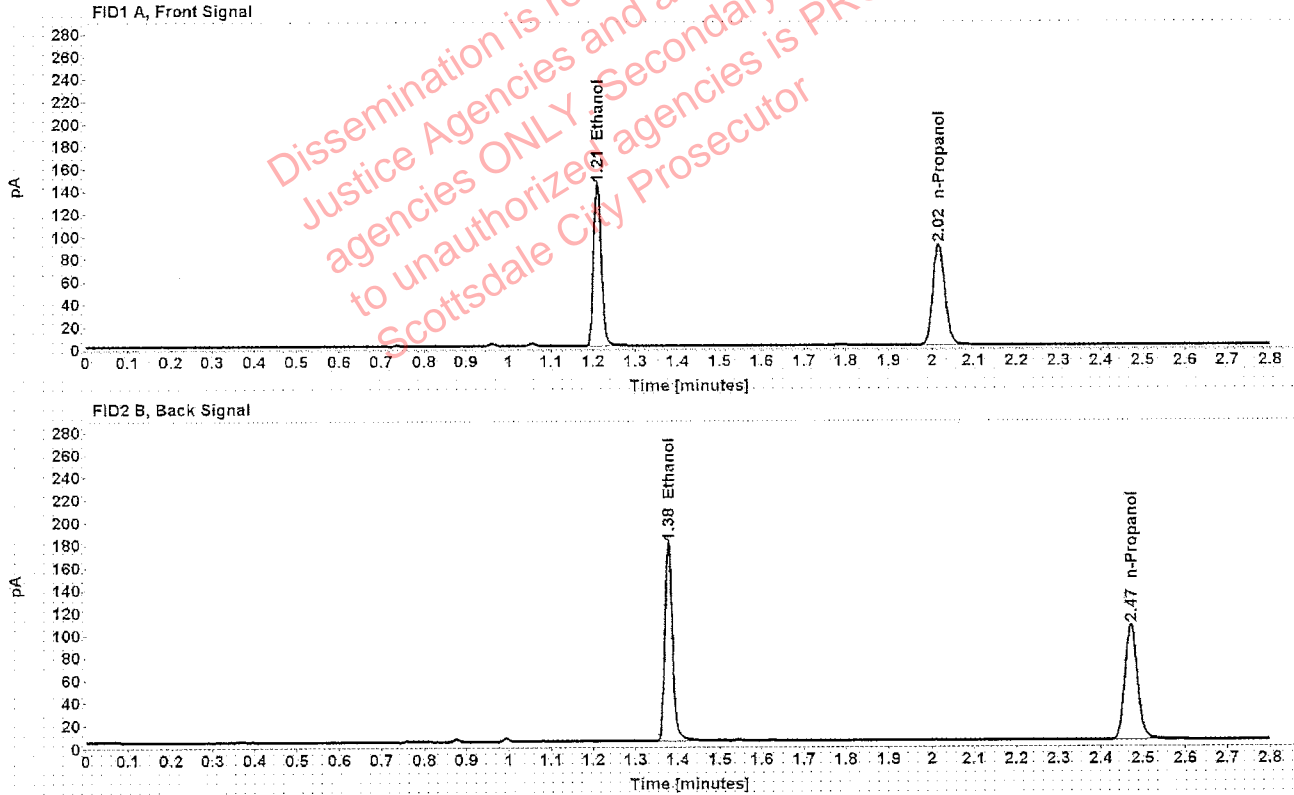


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2805	1.210	183.697
n-Propanol	-----	2.017	178.517

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

Compound	Time (min)	Peak Area
Ethanol	1.377	226.589
n-Propanol	2.471	211.774

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1295752	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	13Nov19
Instrument:	US14173023 CN14160045	Injection date:	11/13/2019 6:42:00 PM
Data file:	C:\Chem32\1\Data\13Nov19\30.D	Analyst:	Brooke

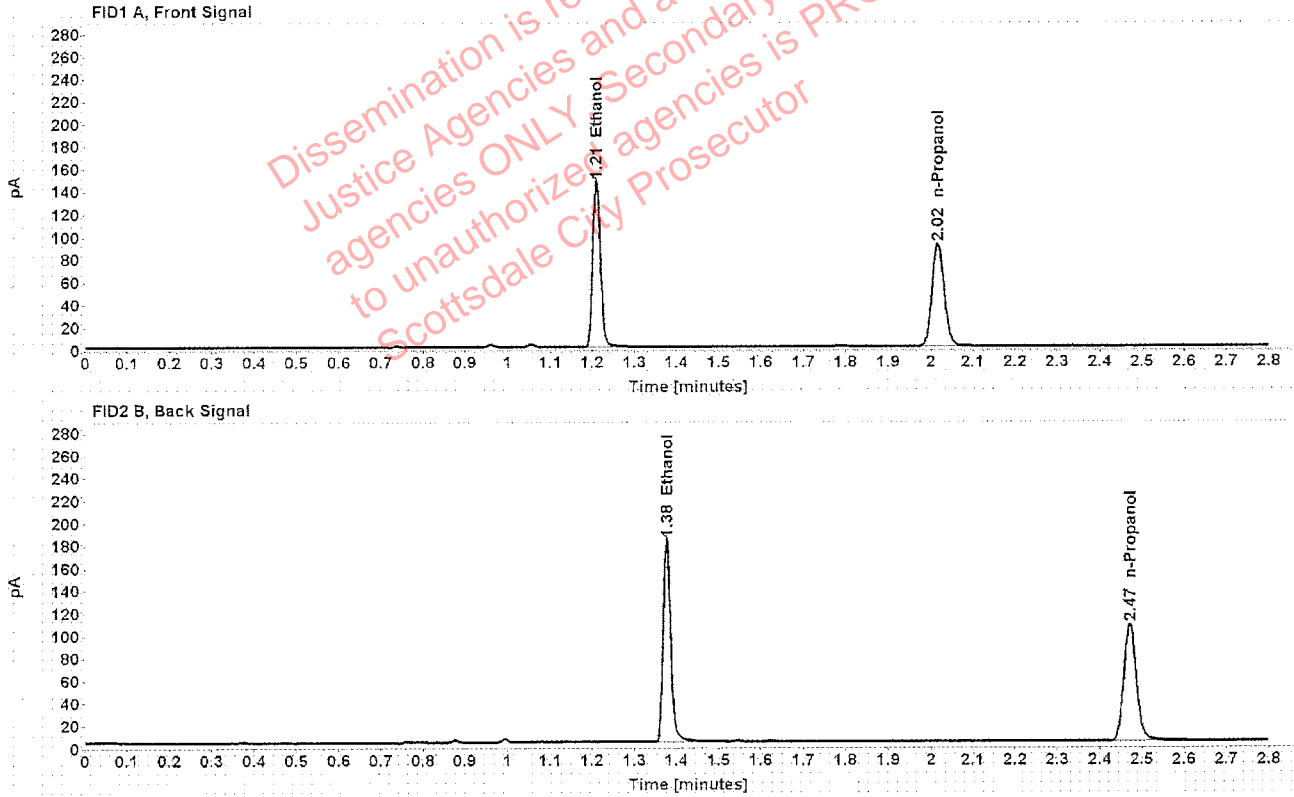


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2821	1.210	187.976
n-Propanol	-----	2.017	181.675

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

Compound	Time (min)	Peak Area
Ethanol	1.377	231.604
n-Propanol	2.471	215.629