

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 12/10/19 SEQUENCE NAME 10Dec19

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	0.399 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	0.082 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.150 g/dL	0.150 g/dL	Lipomed 09022015-C
36	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 08012015-C
37	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
38	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
39	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 12 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

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

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

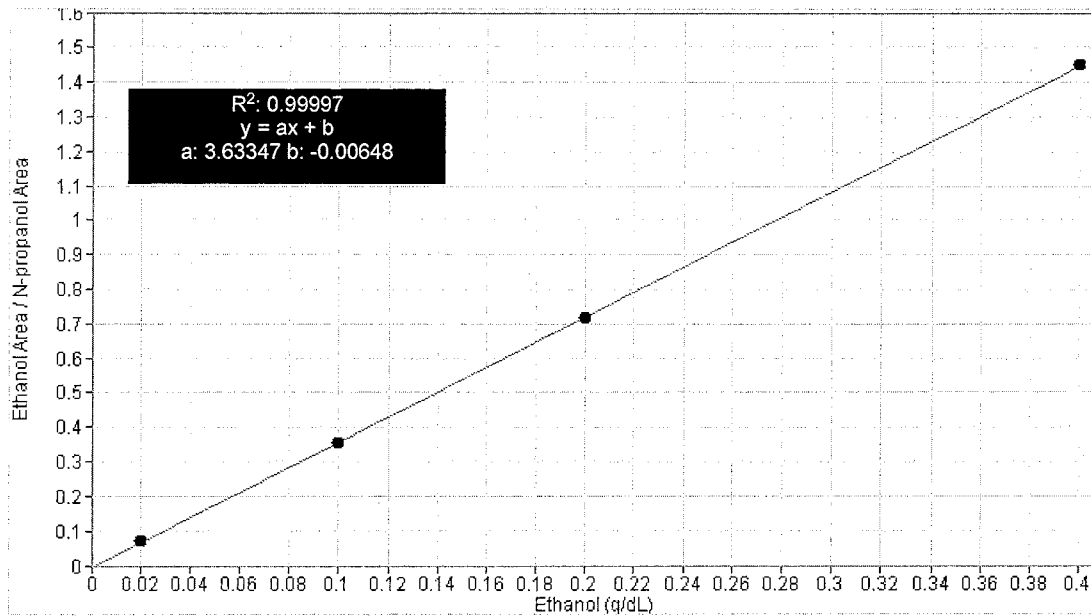
SEQUENCE NAME: 10Dec19

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	0.399	0.400	0.25	-0.001
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	0.082	0.080	2.50	0.002
0.150 09022015-C	31	0.150	0.150	0.00	0.000
0.400 08012015-C	36	0.401	0.400	0.25	0.001
0.040 09022015-A	37	0.040	0.040	0.00	0.000
0.198 407041529/13	38	0.198	0.198	0.00	0.000
blank 040919VVB	39	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.914	170.454	0.070
0.100	60.621	170.949	0.355
0.200	121.158	169.088	0.717
0.400	245.575	169.465	1.449

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 10Dec19
Method: ethanol quant.M	Injection date: 12/10/2019 12:56:09 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\10Dec19\1.D	

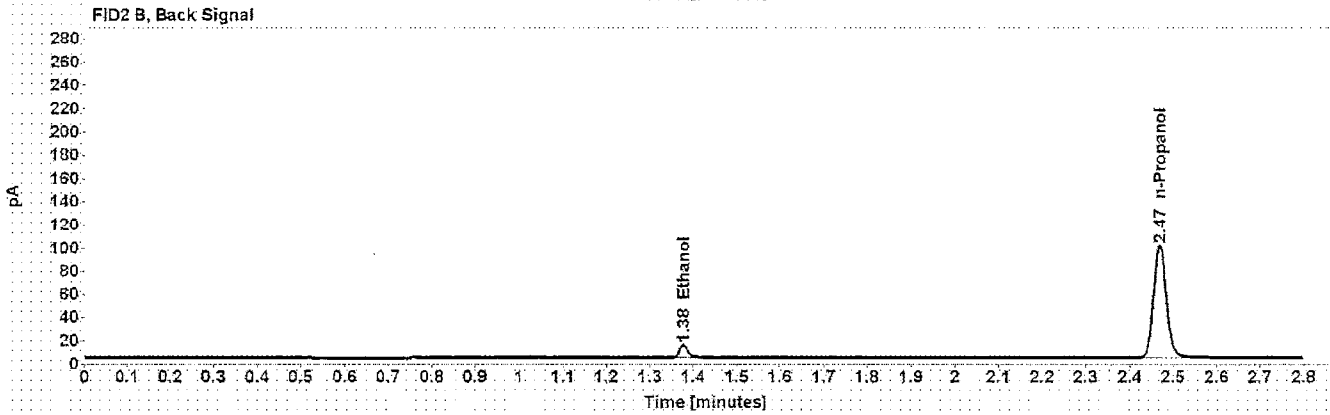


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.914
n-Propanol	2.015	170.454

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

Compound	Time (min)	Peak Area
Ethanol	1.377	14.351
n-Propanol	2.468	200.766

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 10Dec19
Method: ethanol quant.M	Injection date: 12/10/2019 1:00:10 PM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>TS</i>
Data file: C:\Chem32\1\Data\10Dec19\2.D	

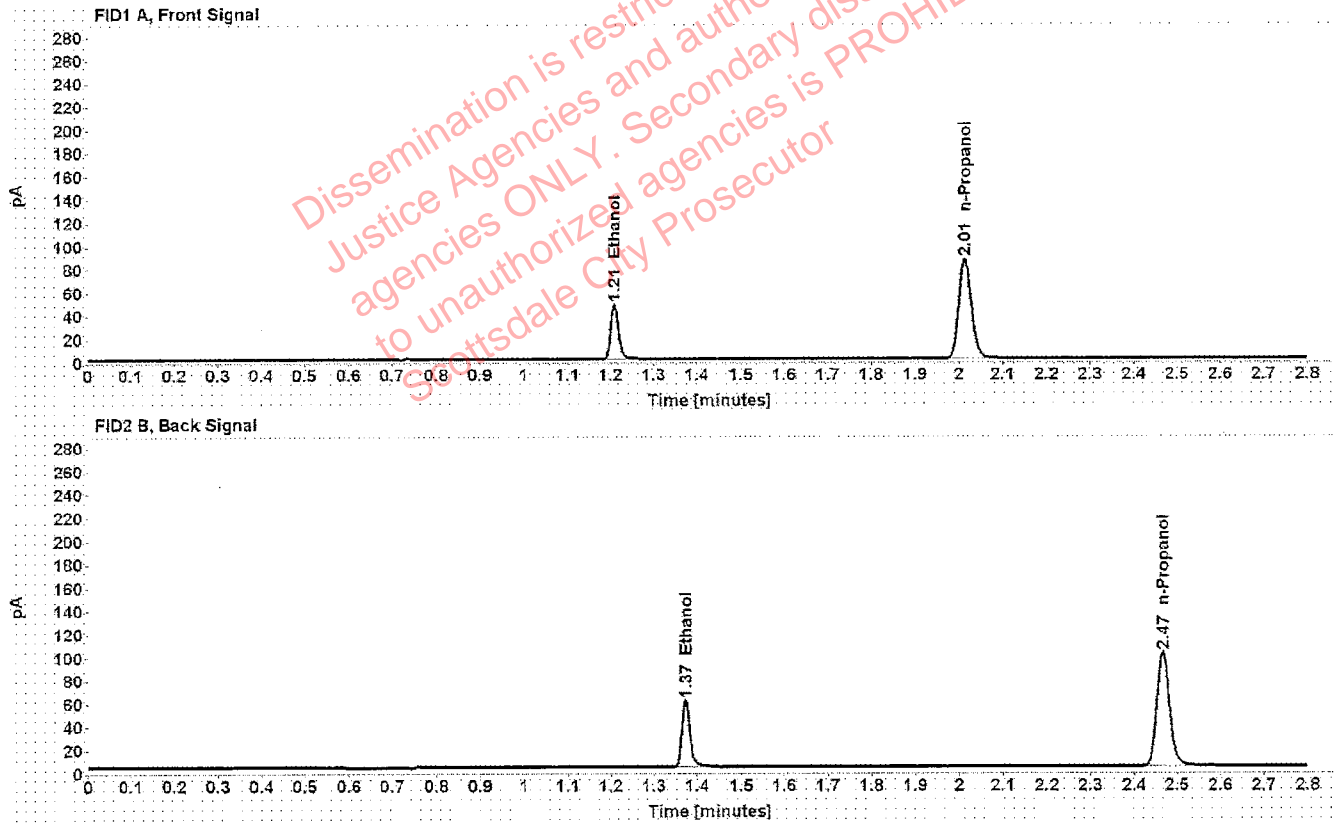


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	60.621
n-Propanol	2.014	170.949

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

Compound	Time (min)	Peak Area
Ethanol	1.373	73.608
n-Propanol	2.467	202.287

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 10Dec19
Method: ethanol quant.M	Injection date: 12/10/2019 1:04:09 PM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\10Dec19\3.D	

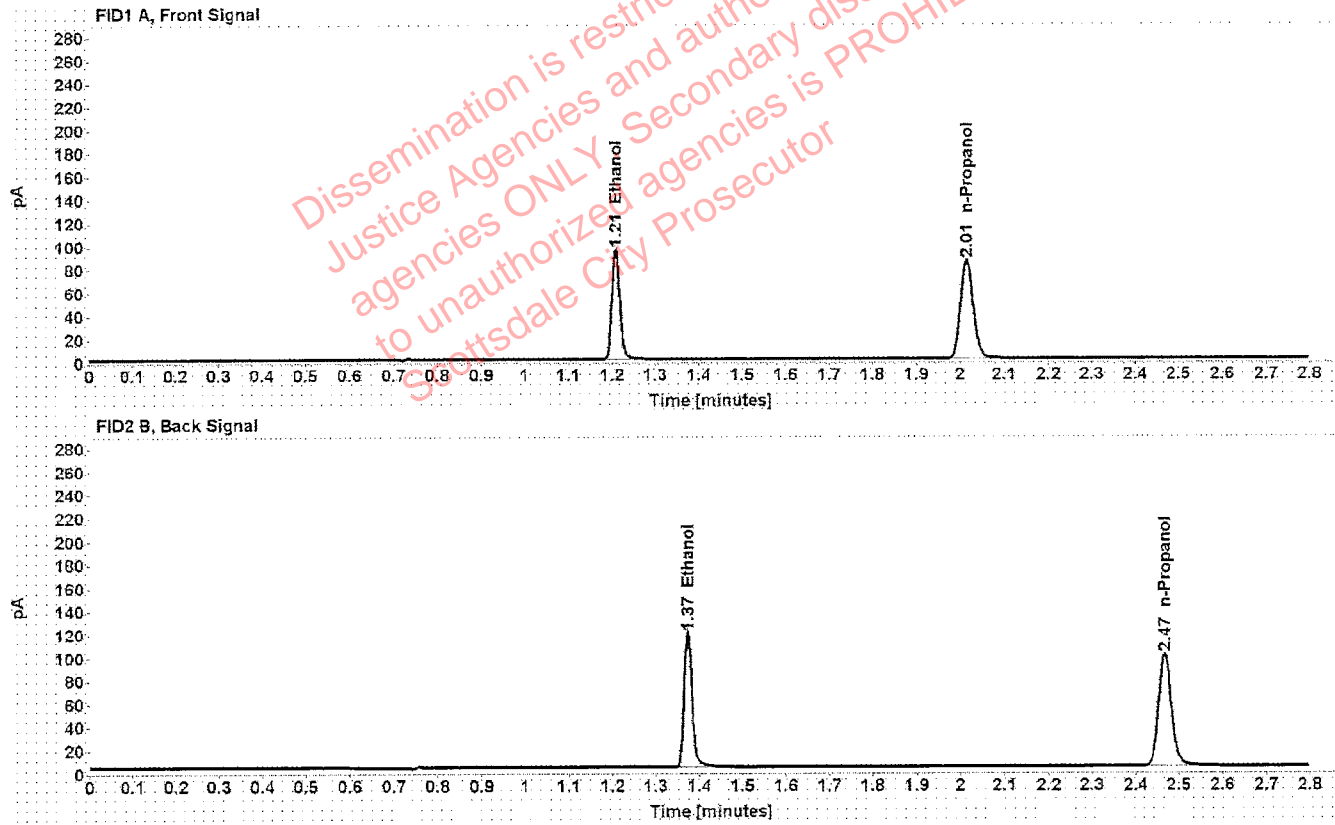


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	121.158
n-Propanol	2.014	169.088

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

Compound	Time (min)	Peak Area
Ethanol	1.373	148.198
n-Propanol	2.467	200.435

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05131606	Vial:	4
Description:	0.400 calibrator	Sequence:	10Dec19
Method:	ethanol quant.M	Injection date:	12/10/2019 1:08:10 PM
Instrument:	US14173023 CN14160045	Analyst:	Brooke 78
Data file:	C:\Chem32\1\Data\10Dec19\4.D		

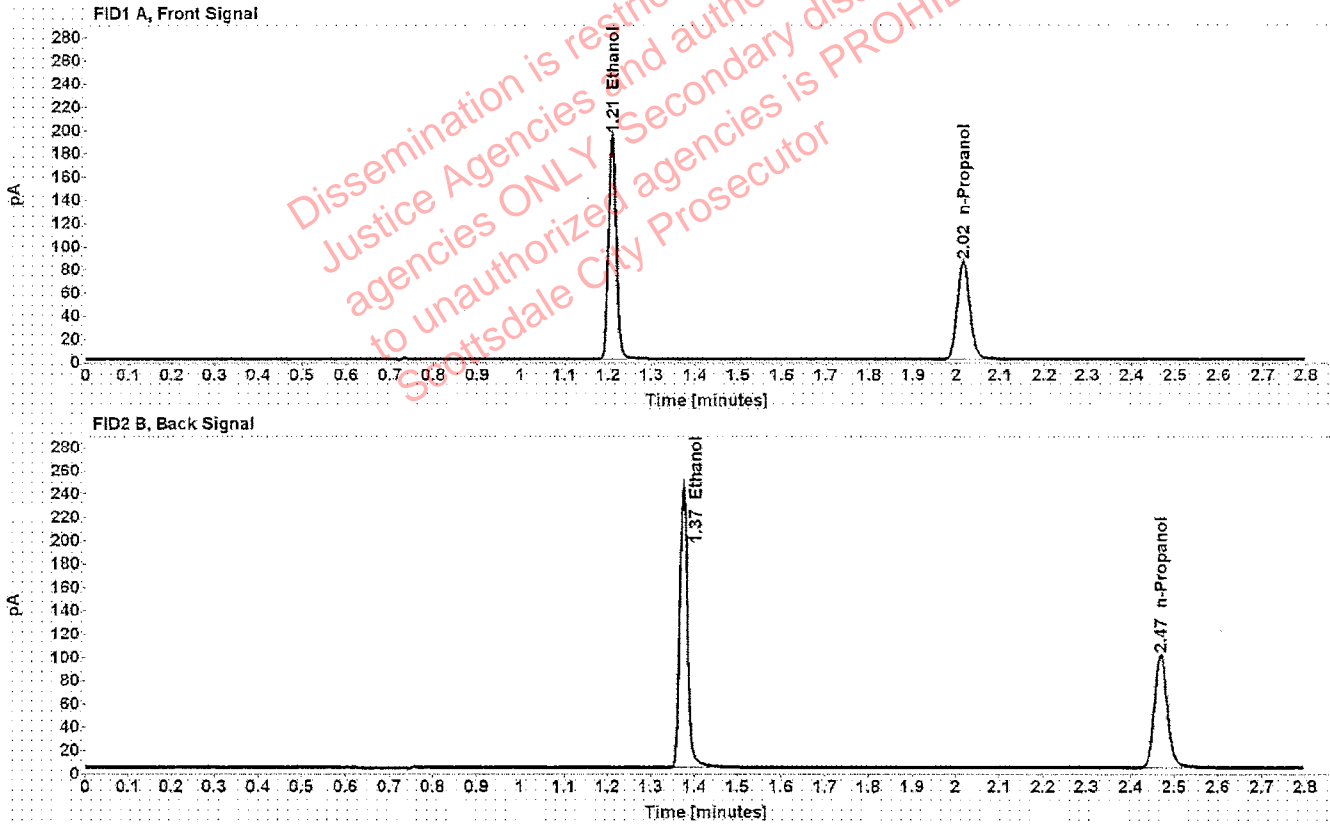


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	245.575
n-Propanol	2.015	169.465

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

Compound	Time (min)	Peak Area
Ethanol	1.375	302.278
n-Propanol	2.469	201.646

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	080519	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:12:10 PM
Data file:	C:\Chem32\1\Data\10Dec19\5.D	Analyst:	Brooke

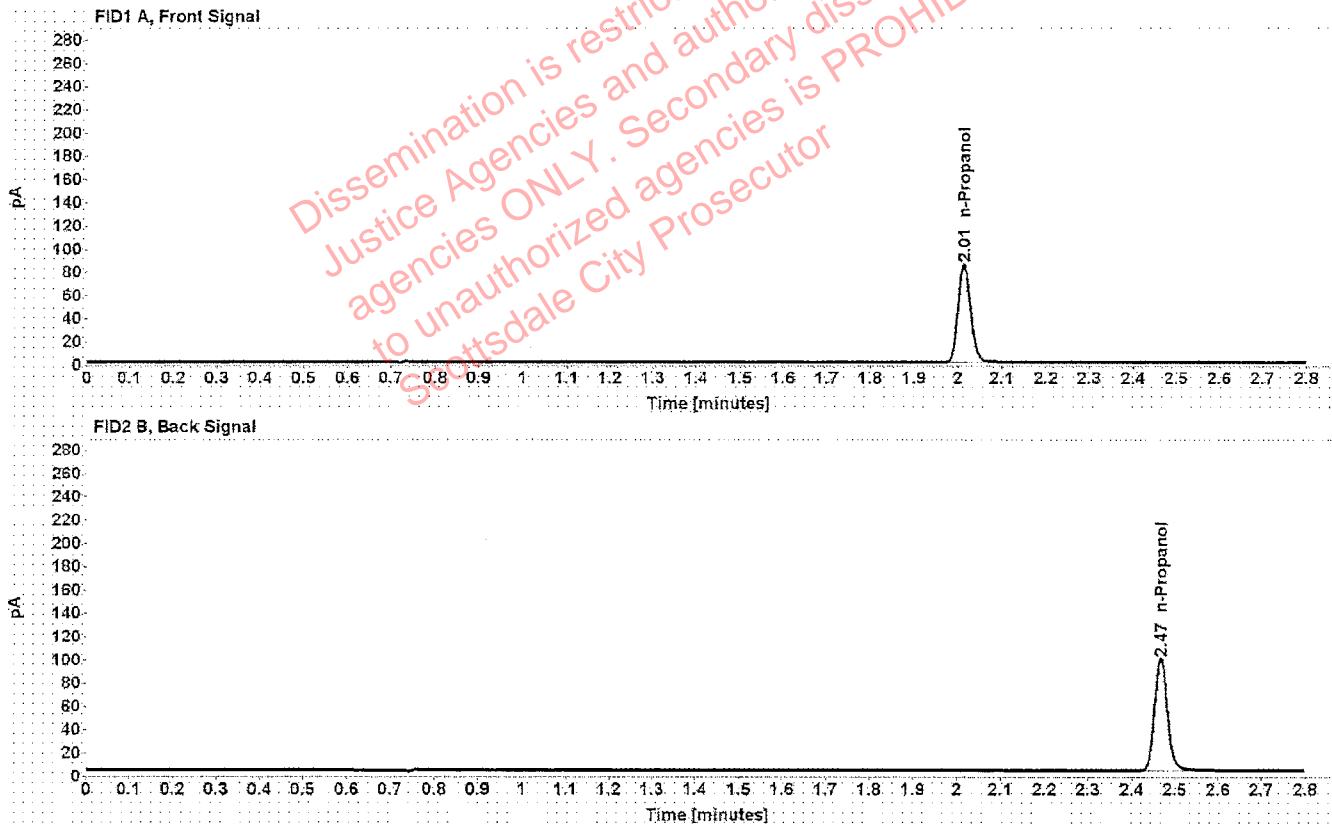


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	169.252

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	200.243

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 1:16:09 PM
Data file: C:\Chem32\11\Data\10Dec19\6.D	Analyst: Brooke

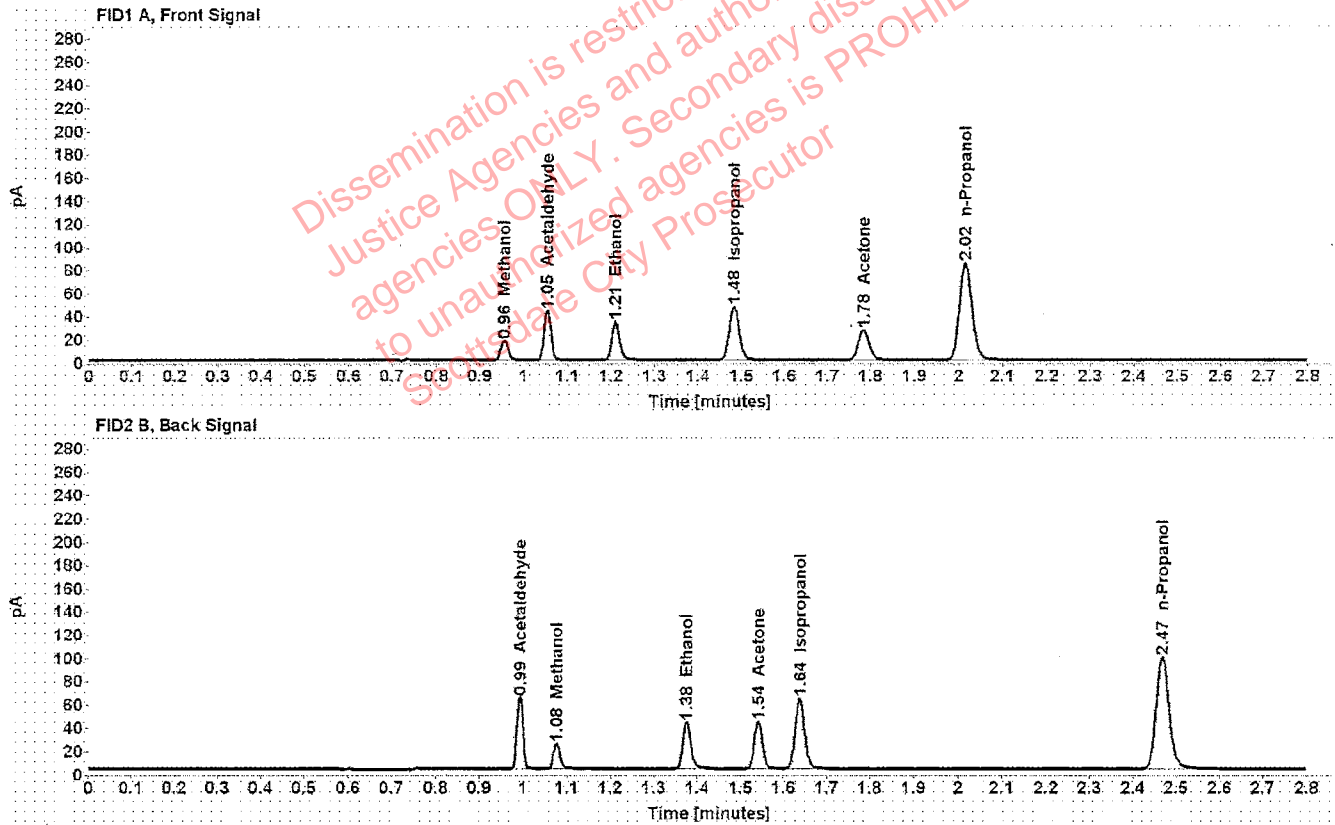


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.907
Acetaldehyde	-----	1.054	46.605
>Ethanol	0.0716	1.210	42.520
Isopropanol	-----	1.483	74.455
Acetone	-----	1.783	44.763
n-Propanol	-----	2.015	167.718

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	60.441
Methanol	1.077	23.883
Ethanol	1.376	51.382
Acetone	1.541	53.574
Isopropanol	1.637	92.819
n-Propanol	2.469	199.642

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 08012015-C	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 1:20:24 PM
Data file: C:\Chem32\1\Data\10Dec19\7.D	Analyst: Brooke

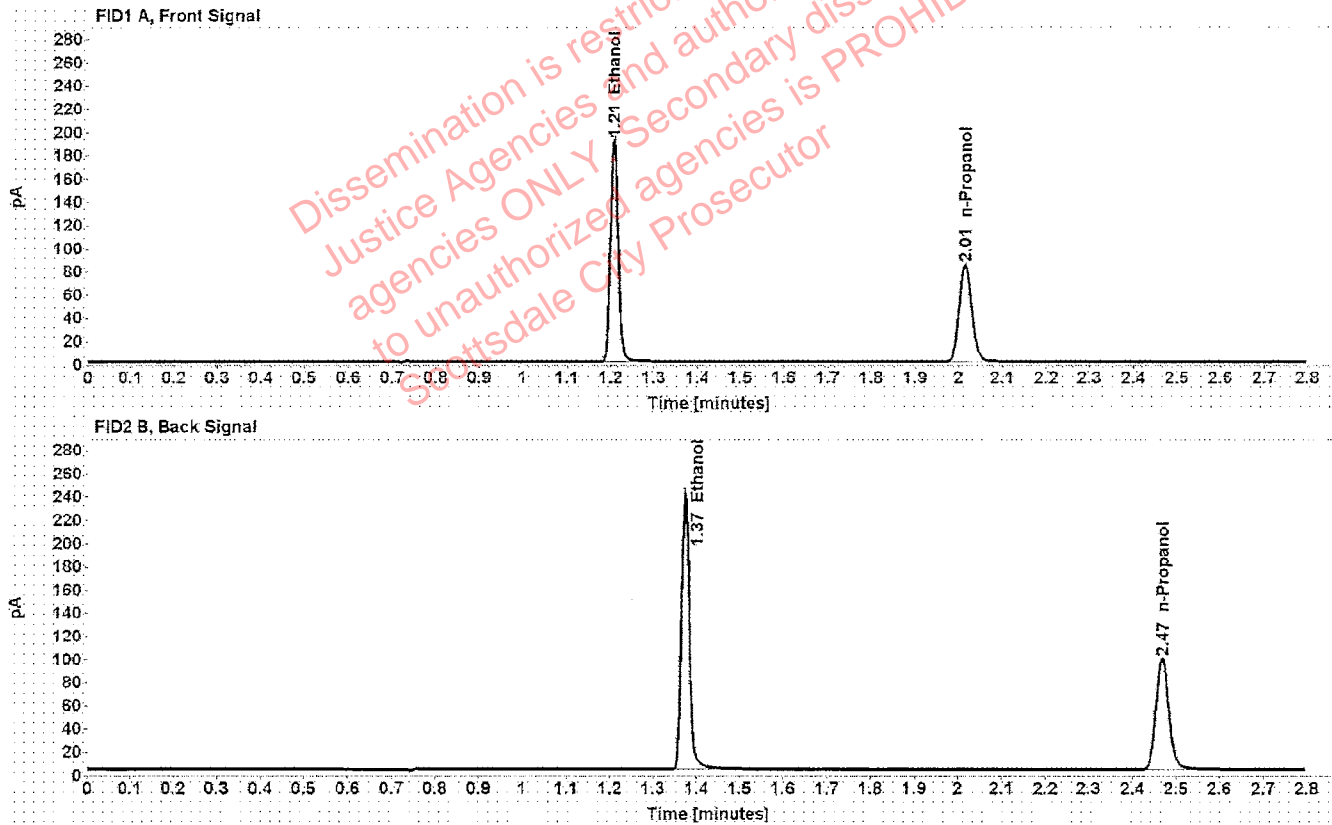


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3998	1.208	242.652
n-Propanol	-----	2.015	167.794

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

Compound	Time (min)	Peak Area
Ethanol	1.374	298.793
n-Propanol	2.468	199.771

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 1:24:24 PM
Data file: C:\Chem32\1\Data\10Dec19\8.D	Analyst: Brooke

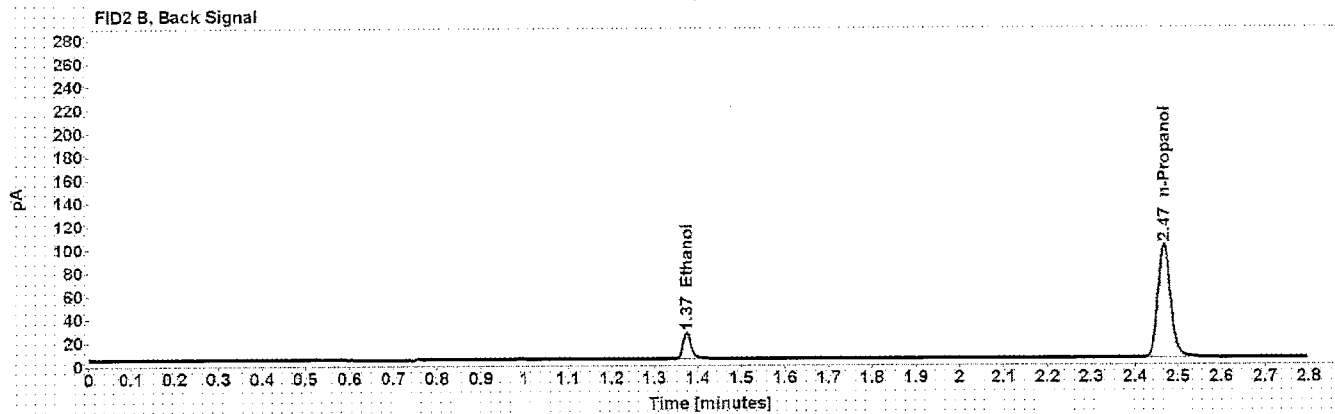
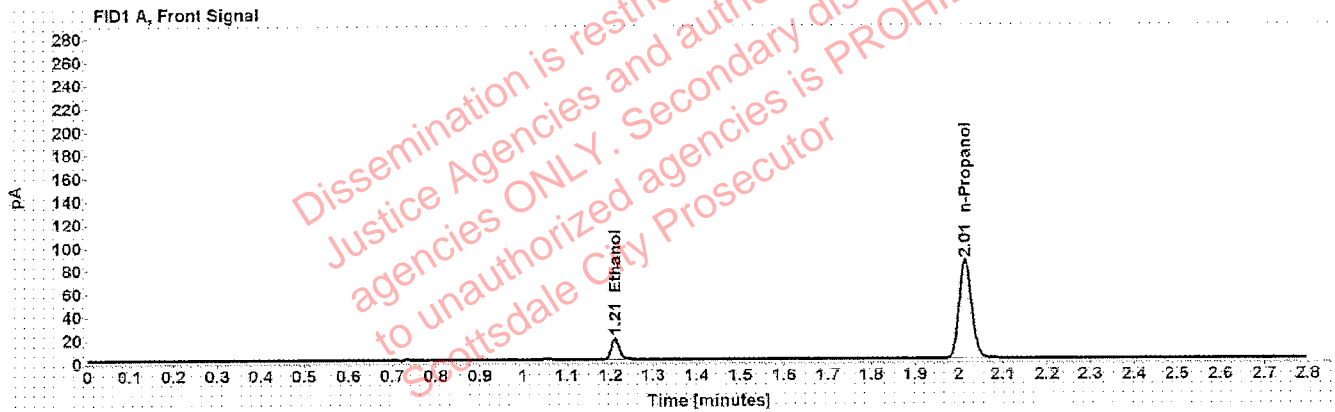


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0400	1.210	23.694
n-Propanol	-----	2.014	170.605

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

Compound	Time (min)	Peak Area
Ethanol	1.375	28.598
n-Propanol	2.467	202.127

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 1:28:23 PM
Data file: C:\Chem32\1\Data\10Dec19\9.D	Analyst: Brooke

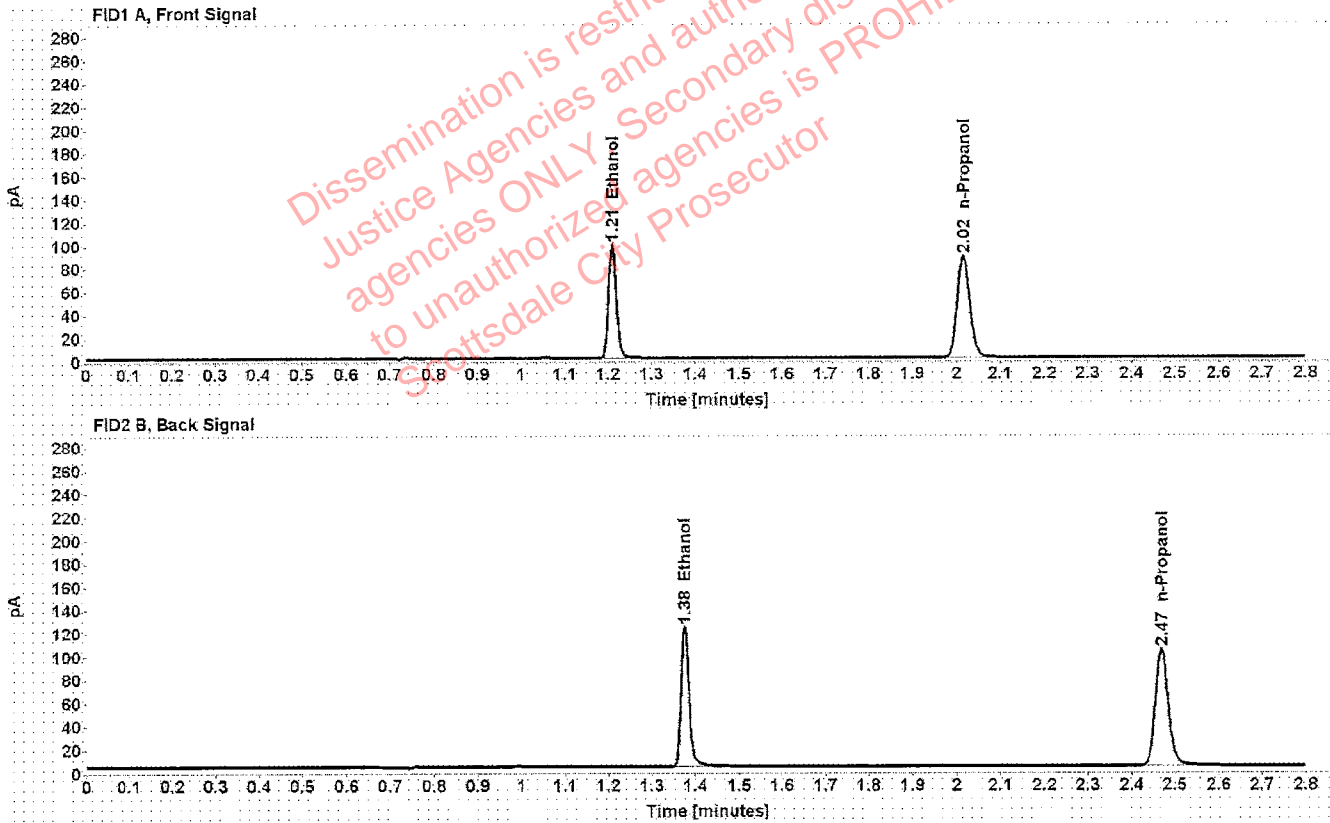


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1997	1.210	126.009
n-Propanol	-----	2.016	175.211

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

Compound	Time (min)	Peak Area
Ethanol	1.376	154.457
n-Propanol	2.469	208.308

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 2:12:54 PM
Data file: C:\Chem32\1\Data\10Dec19\20.D	Analyst: Brooke

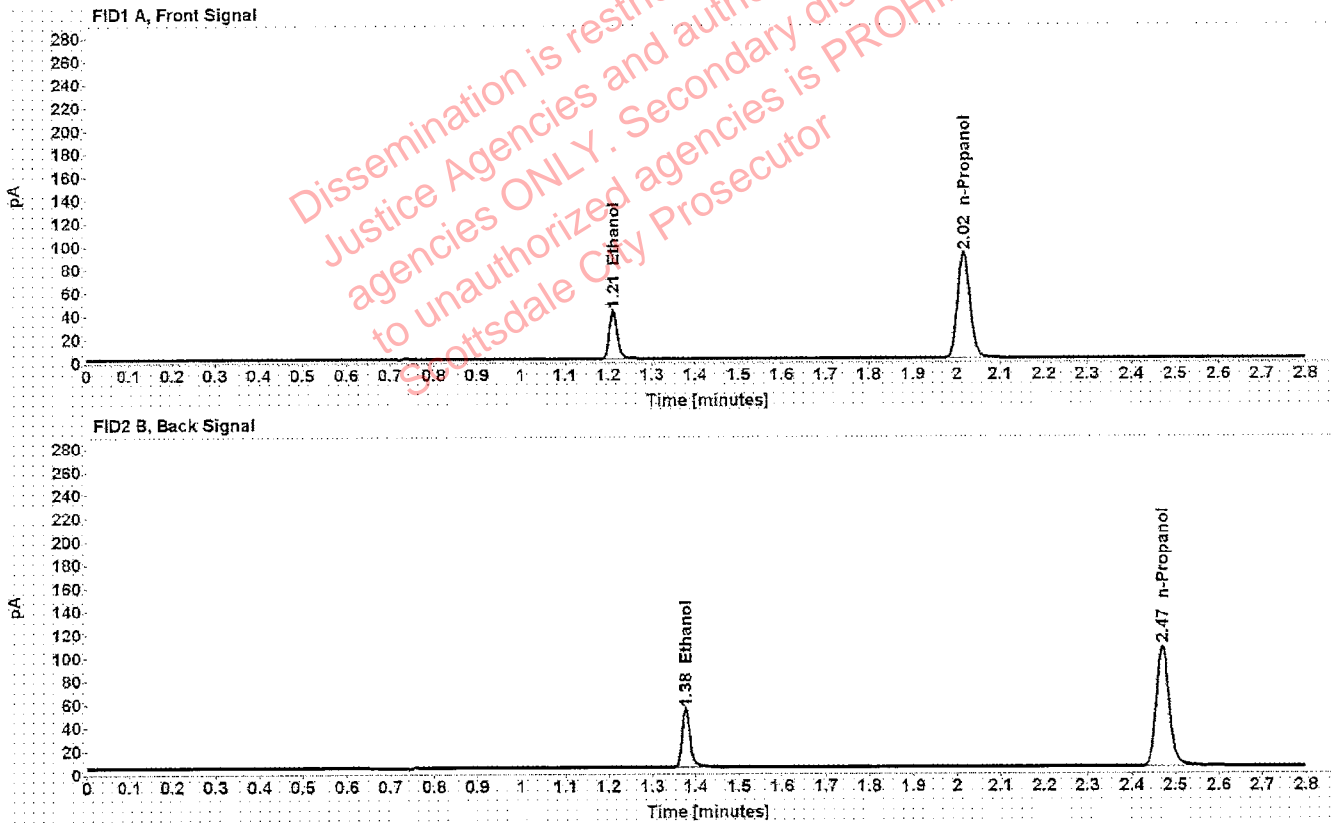


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0827	1.211	53.463
n-Propanol	-----	2.016	181.919

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

Compound	Time (min)	Peak Area
Ethanol	1.377	64.926
n-Propanol	2.470	216.096

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 2:57:24 PM
Data file: C:\Chem32\1\Data\10Dec19\31.D	Analyst: Brooke

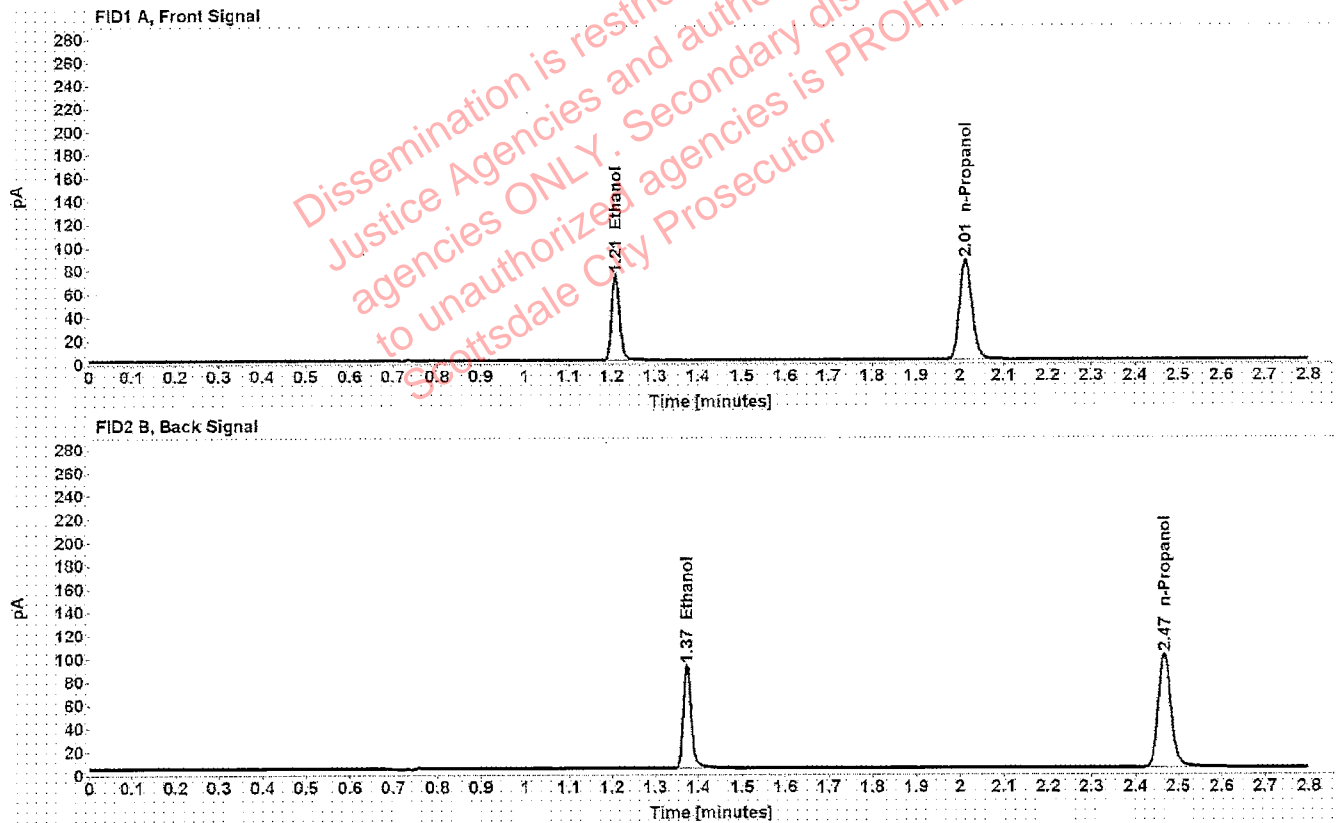


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1508	1.208	93.128
n-Propanol	-----	2.014	172.011

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

Compound	Time (min)	Peak Area
Ethanol	1.373	113.643
n-Propanol	2.467	204.605

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 08012015-C	Vial: 36
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 3:17:25 PM
Data file: C:\Chem32\1\Data\10Dec19\36.D	Analyst: Brooke

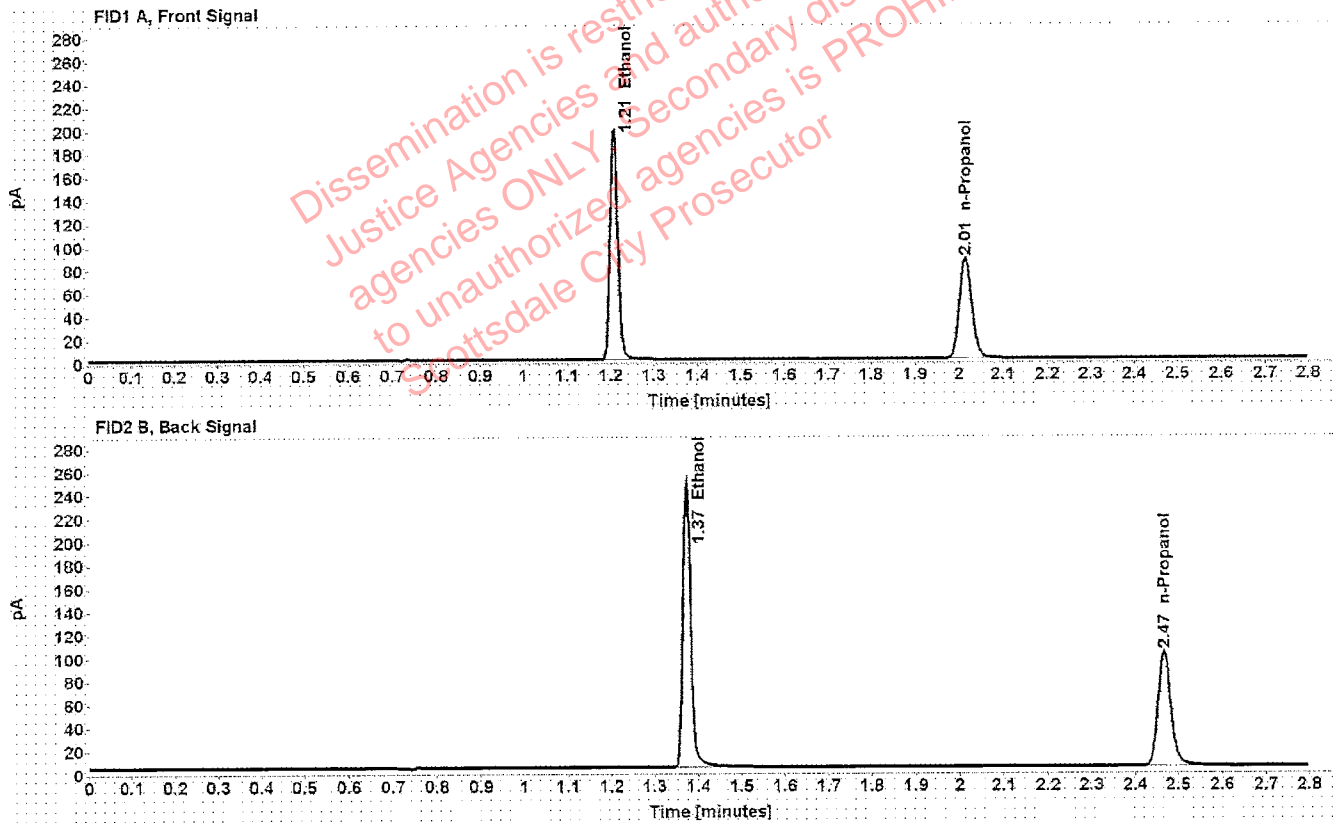


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4016	1.208	251.163
n-Propanol	-----	2.014	172.900

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

Compound	Time (min)	Peak Area
Ethanol	1.373	309.659
n-Propanol	2.467	206.134

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 37
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 3:21:39 PM
Data file: C:\Chem32\1\Data\10Dec19\37.D	Analyst: Brooke

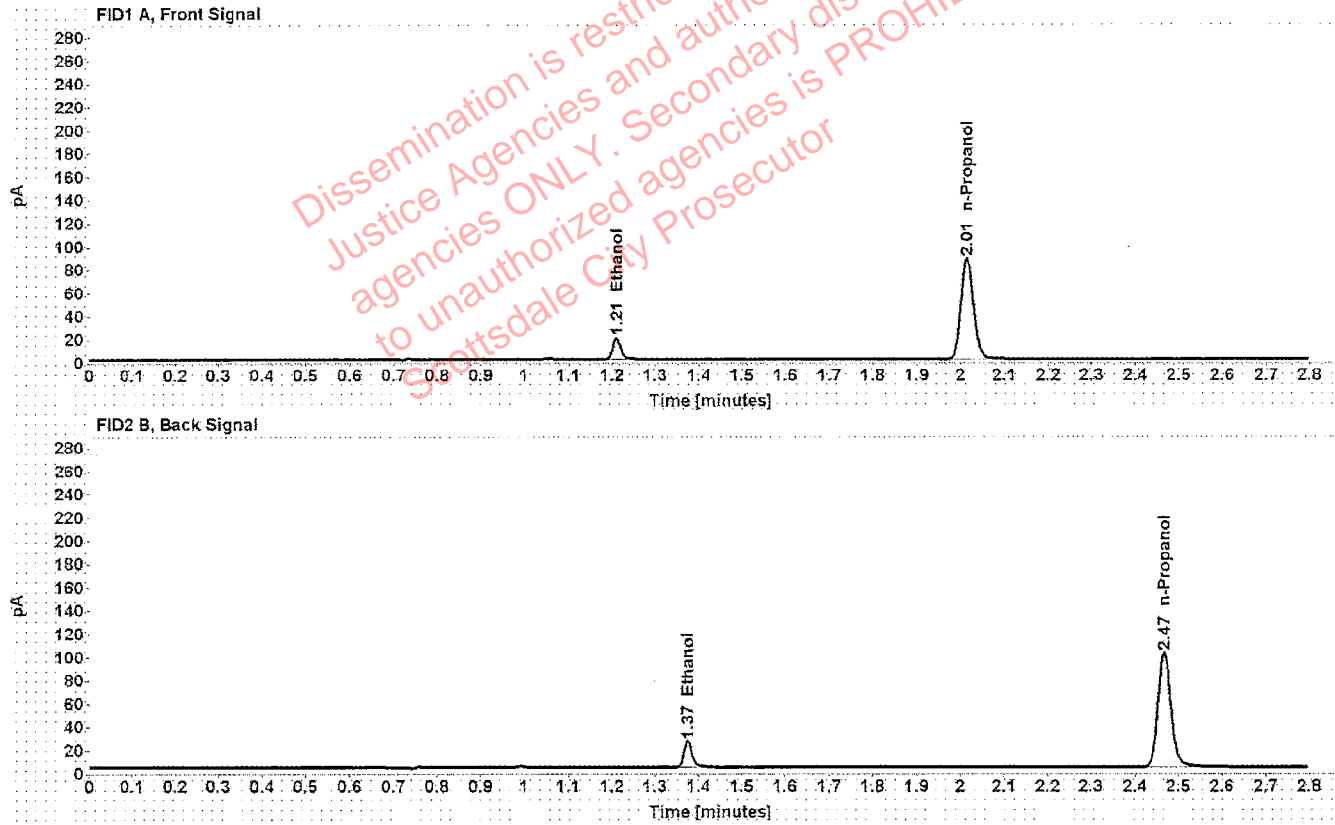


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0401	1.210	24.164
n-Propanol	-----	2.014	173.716

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

Compound	Time (min)	Peak Area
Ethanol	1.375	29.272
n-Propanol	2.467	205.866

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 38
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 3:25:40 PM
Data file: C:\Chem32\1\Data\10Dec19\38.D	Analyst: Brooke <i>YB</i>

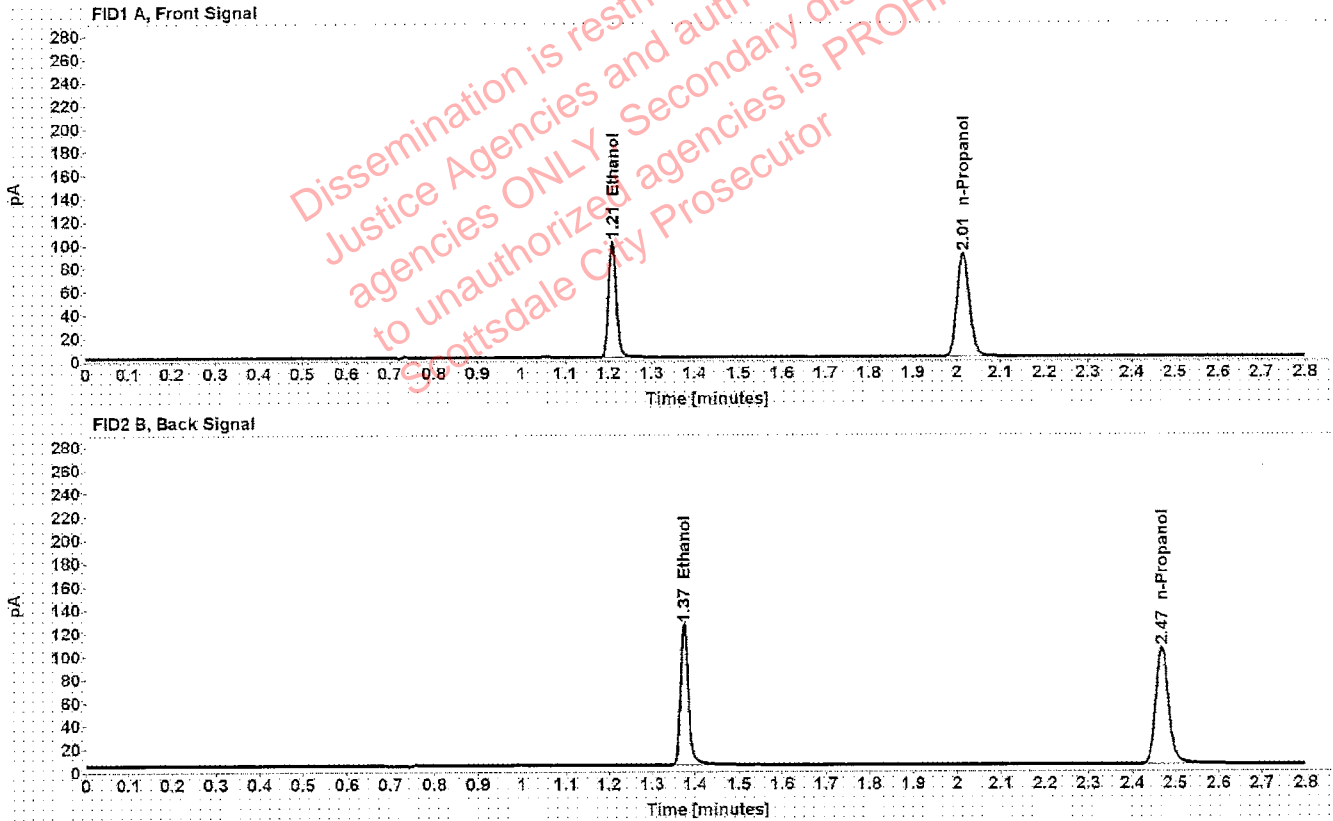


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1989	1.209	127.006
n-Propanol	-----	2.015	177.359

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

Compound	Time (min)	Peak Area
Ethanol	1.375	156.382
n-Propanol	2.469	211.033

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 39
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 3:29:40 PM
Data file: C:\Chem32\1\Data\10Dec19\39.D	Analyst: Brooke <i>BB</i>

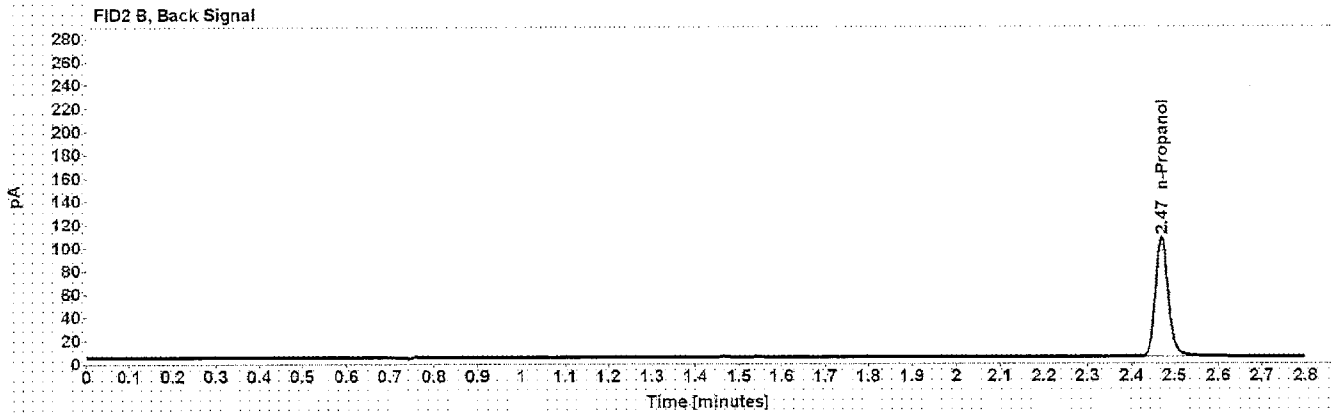


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	181.064

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	215.361

Sequence Summary

Sequence name: 10Dec19 Instrument: US14173023 CN14160045 Analyst: Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	080519	Negative	Control		ethanol quant.M
6	070819	Volatiles mix	Control		ethanol quant.M
7	08012015-C	0.400	Control		ethanol quant.M
8	09022015-A	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1188389		Sample		ethanol quant.M
11	1188389		Sample		ethanol quant.M
12	1296459		Sample		ethanol quant.M
13	1296459		Sample		ethanol quant.M
14	1298176		Sample		ethanol quant.M
15	1298176		Sample		ethanol quant.M
16	1299524		Sample		ethanol quant.M
17	1299524		Sample		ethanol quant.M
18	1299021		Sample		ethanol quant.M
19	1299021		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1299123		Sample		ethanol quant.M
22	1299123		Sample		ethanol quant.M
23	1299190		Sample		ethanol quant.M
24	1299190		Sample		ethanol quant.M
25	1299422		Sample		ethanol quant.M
26	1299422		Sample		ethanol quant.M
27	1299426		Sample		ethanol quant.M
28	1299426		Sample		ethanol quant.M
29	1299461		Sample		ethanol quant.M
30	1299461		Sample		ethanol quant.M
31	09022015-C	0.150	Control		ethanol quant.M
32	1293928		Sample		ethanol quant.M
33	1293928		Sample		ethanol quant.M
34	1300019		Sample		ethanol quant.M
35	1300019		Sample		ethanol quant.M
36	08012015-C	0.400	Control		ethanol quant.M
37	09022015-A	0.040	Control		ethanol quant.M
38	407041529/13	0.198	Control		ethanol quant.M
39	040919WB	Negative	Control		ethanol quant.M

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

Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 10Dec19

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.2270	0.2234	0.22520	0.80	0.00180
12 13	0.0406	0.0407	0.04065	0.12	0.00005
14 15	0.2538	0.2553	0.25455	0.29	0.00075
16 17	0.0000	0.0000	0.00000	0.00	0.00000
18 19	0.2908	0.2910	0.29090	0.03	0.00010
21 22	0.1245	0.1250	0.12475	0.20	0.00025
23 24	0.1967	0.1958	0.19625	0.23	0.00045
25 26	0.0241	0.0241	0.02410	0.00	0.00000
27 28	0.0724	0.0724	0.07240	0.00	0.00000
29 30	0.0950	0.0951	0.09505	0.05	0.00005
32 33	0.0000	0.0000	0.00000	0.00	0.00000
34 35	0.0000	0.0000	0.00000	0.00	0.00000

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1188389	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:32:24 PM
Data file:	C:\Chem32\1\Data\10Dec19\10.D	Analyst:	Brooke

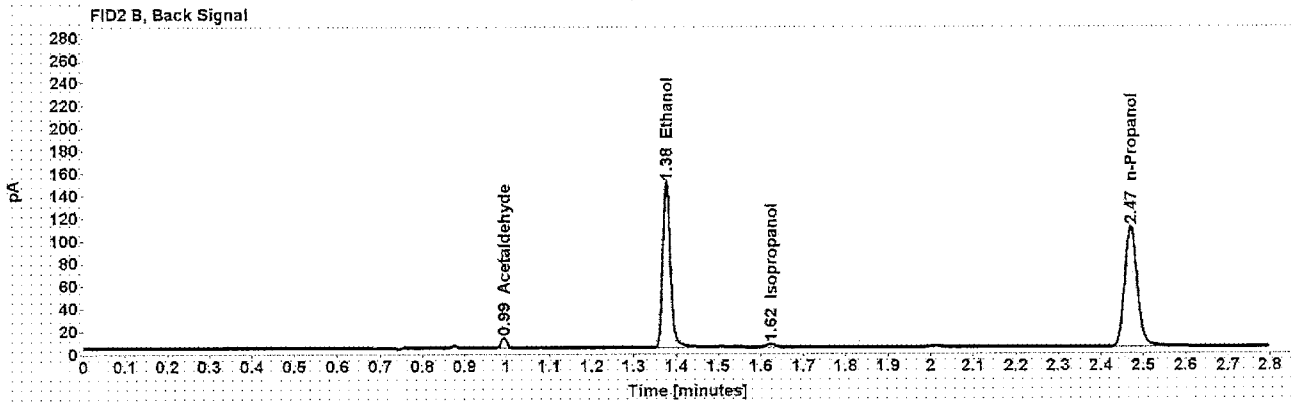
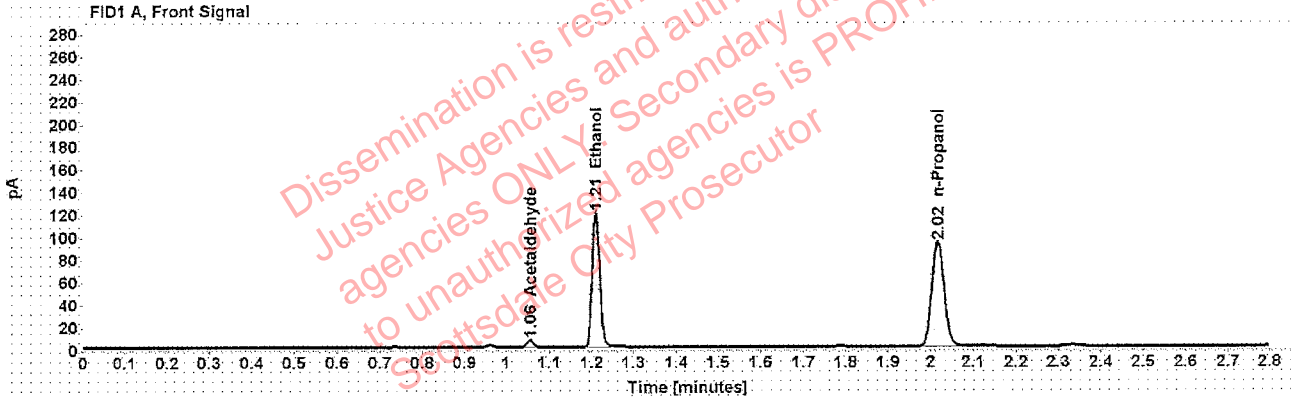


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	6.630
>Ethanol	0.2270	1.210	151.849
n-Propanol	-----	2.016	185.599

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	8.578
Ethanol	1.376	187.532
Isopropanol	1.623	4.835
n-Propanol	2.470	220.374

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1188389	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:36:24 PM
Data file:	C:\Chem32\1\Data\10Dec19\11.D	Analyst:	Brooke

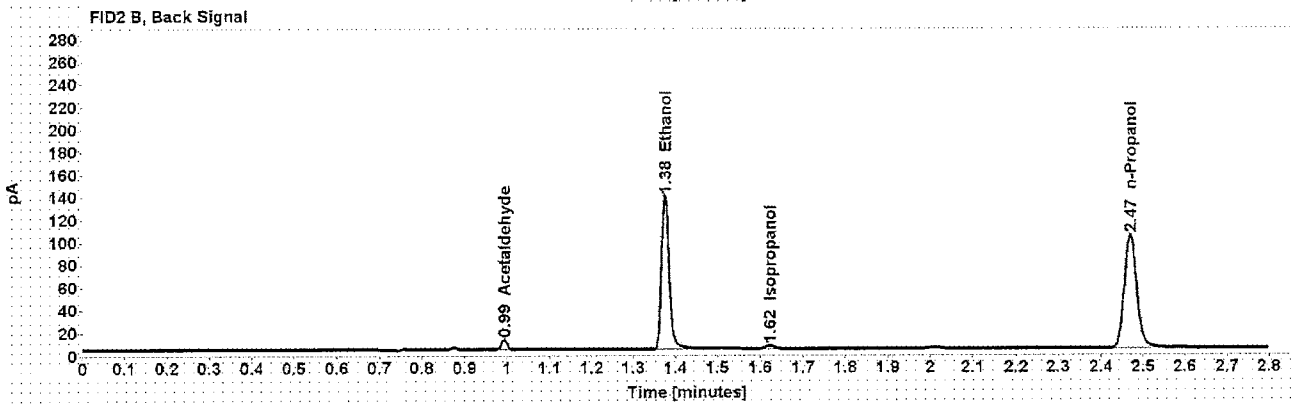
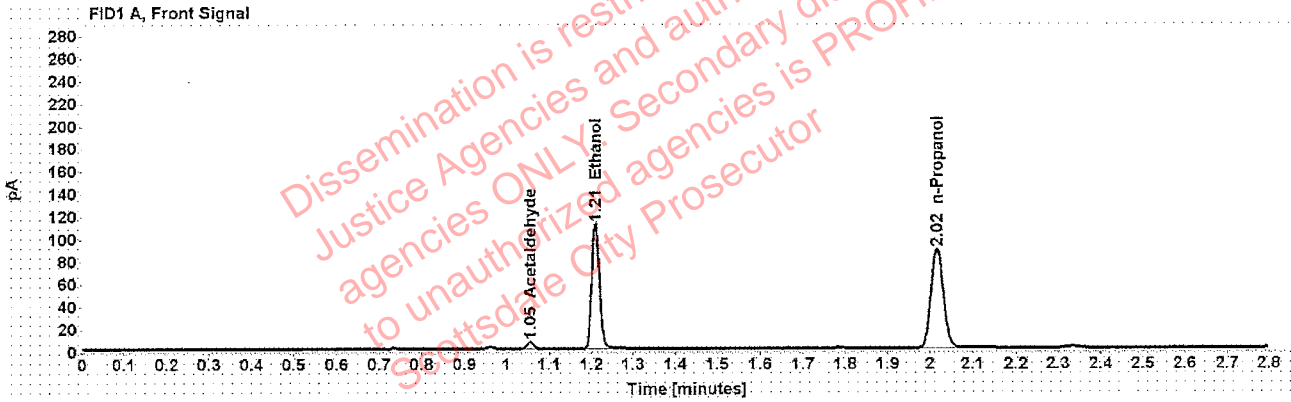


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	6.449
>Ethanol	0.2234	1.209	141.751
n-Propanol	-----	2.015	175.999

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	8.354
Ethanol	1.376	174.995
Isopropanol	1.623	4.802
n-Propanol	2.469	208.890

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296459	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:40:23 PM
Data file:	C:\Chem32\1\Data\10Dec19\12.D	Analyst:	Brooke

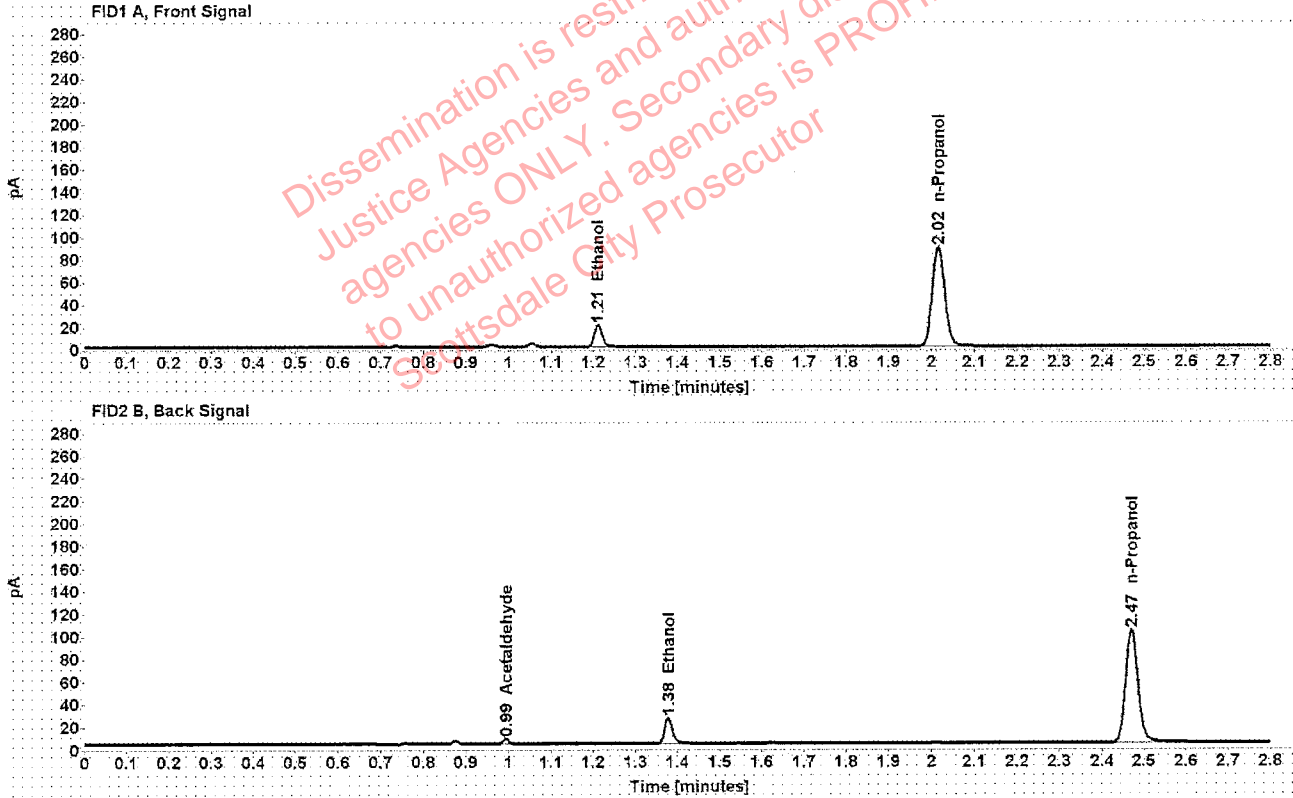


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.212	24.624
n-Propanol	-----	2.016	174.693

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.278
Ethanol	1.378	30.365
n-Propanol	2.470	207.880

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1296459	Vial:	13
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:44:40 PM
Data file:	C:\Chem32\1\Data\10Dec19\13.D	Analyst:	Brooke

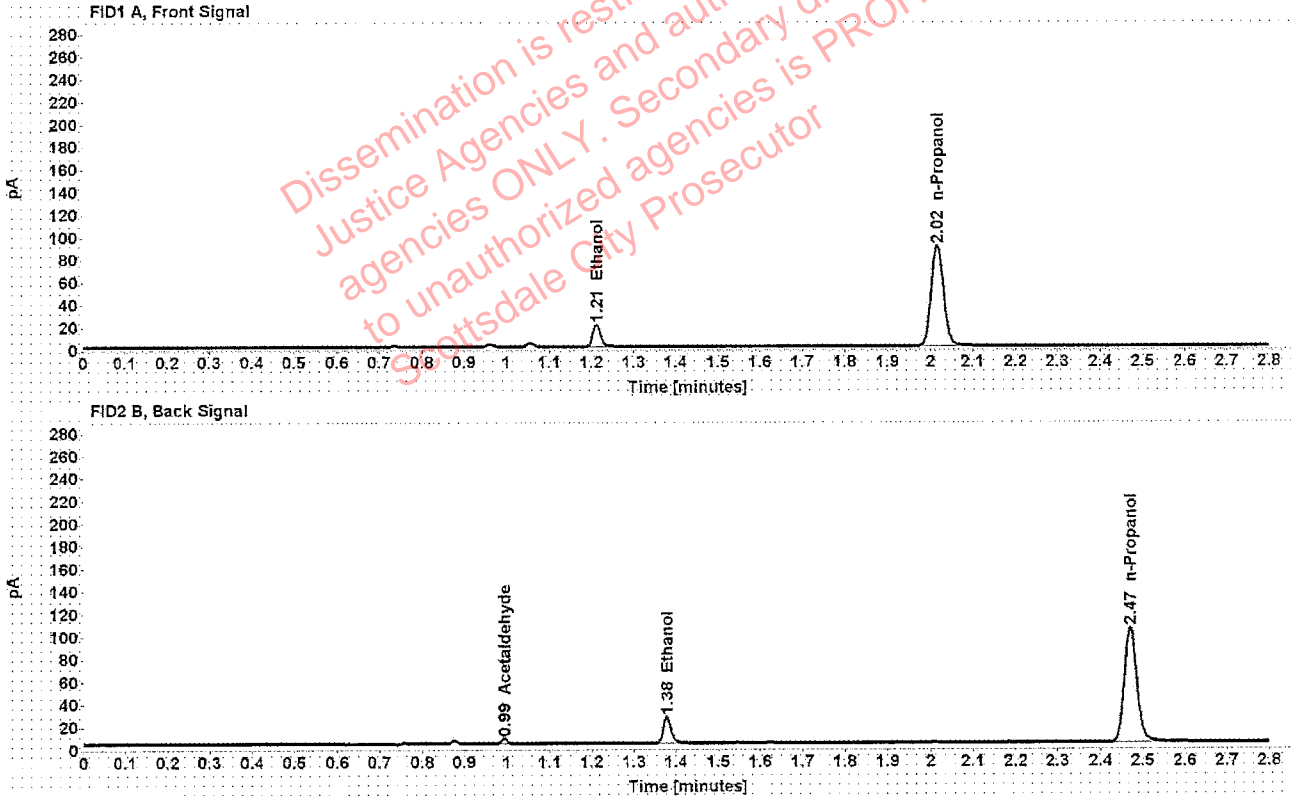


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.212	25.119
n-Propanol	-----	2.016	177.823

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.333
Ethanol	1.378	30.950
n-Propanol	2.470	211.403

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298176	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:48:40 PM
Data file:	C:\Chem32\1\Data\10Dec19\14.D	Analyst:	Brooke

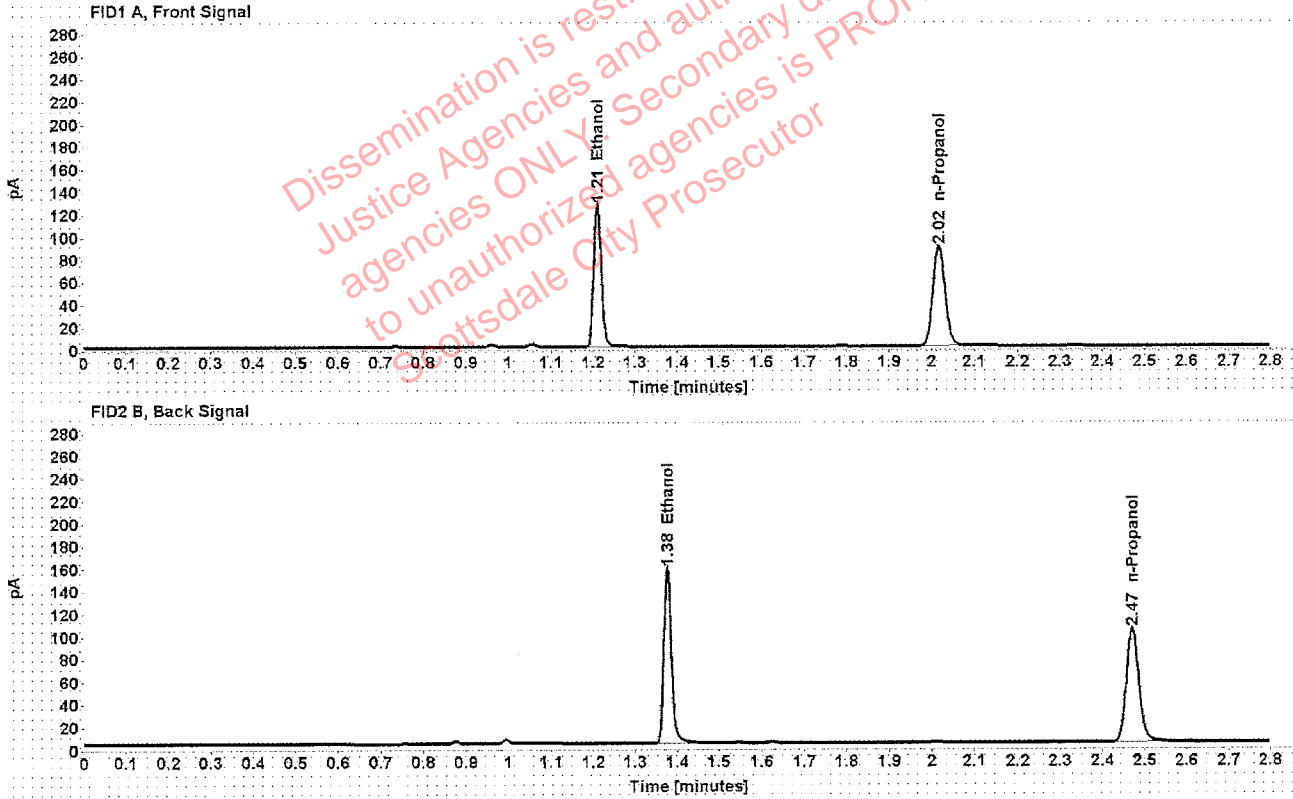


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2538	1.210	161.081
n-Propanol	-----	2.016	175.926

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

Compound	Time (min)	Peak Area
Ethanol	1.376	198.565
n-Propanol	2.470	207.916

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1298176	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:52:39 PM
Data file:	C:\Chem32\1\Data\10Dec19\15.D	Analyst:	Brooke

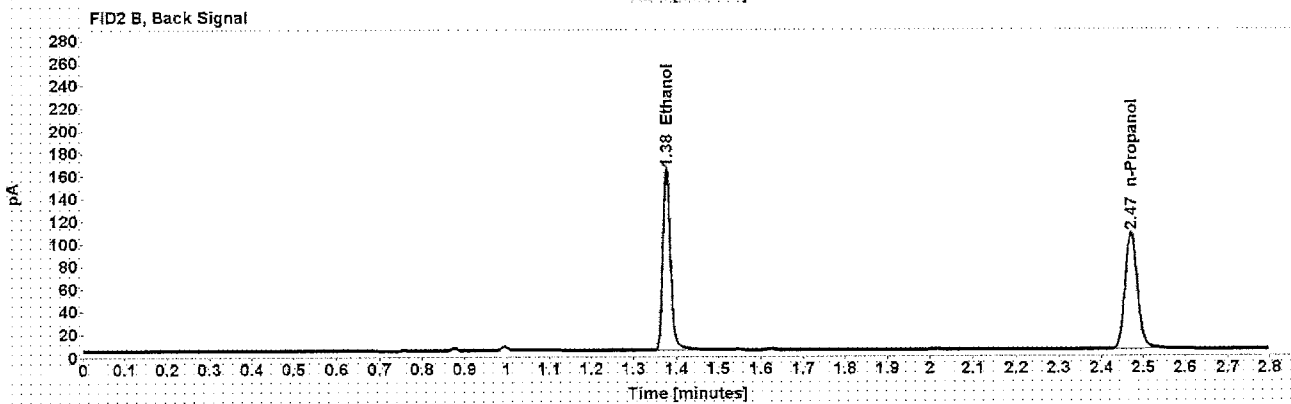
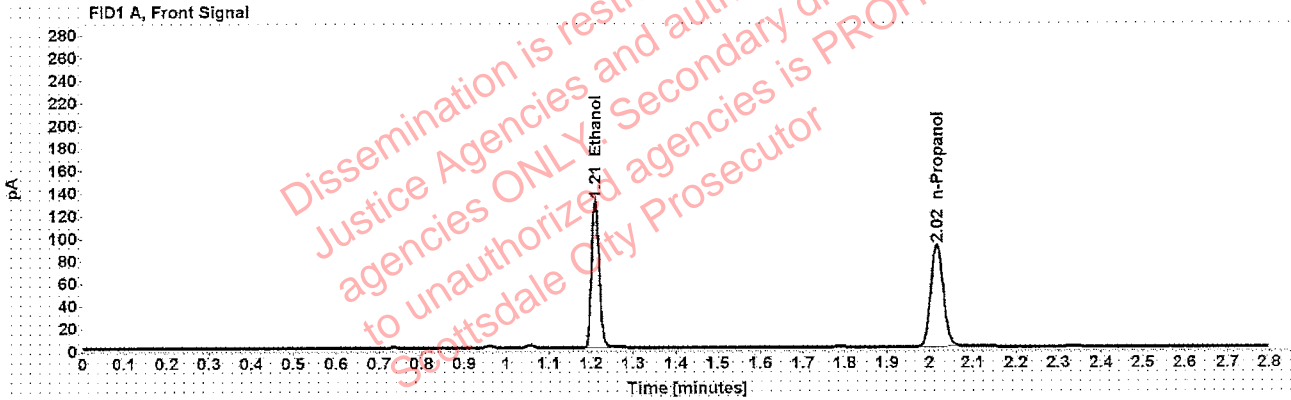


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2553	1.210	166.336
n-Propanol	-----	2.016	180.579

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

Compound	Time (min)	Peak Area
Ethanol	1.377	205.583
n-Propanol	2.470	213.464

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299524	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 1:56:40 PM
Data file:	C:\Chem32\1\Data\10Dec19\16.D	Analyst:	Brooke

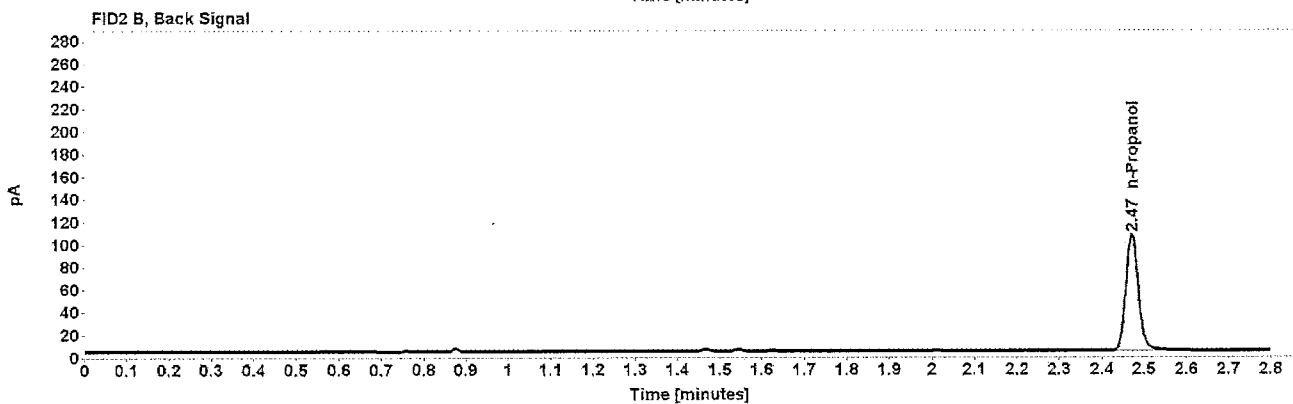


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	180.594

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	215.015

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299524	Vial:	17
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:00:39 PM
Data file:	C:\Chem32\1\Data\10Dec19\17.D	Analyst:	Brooke

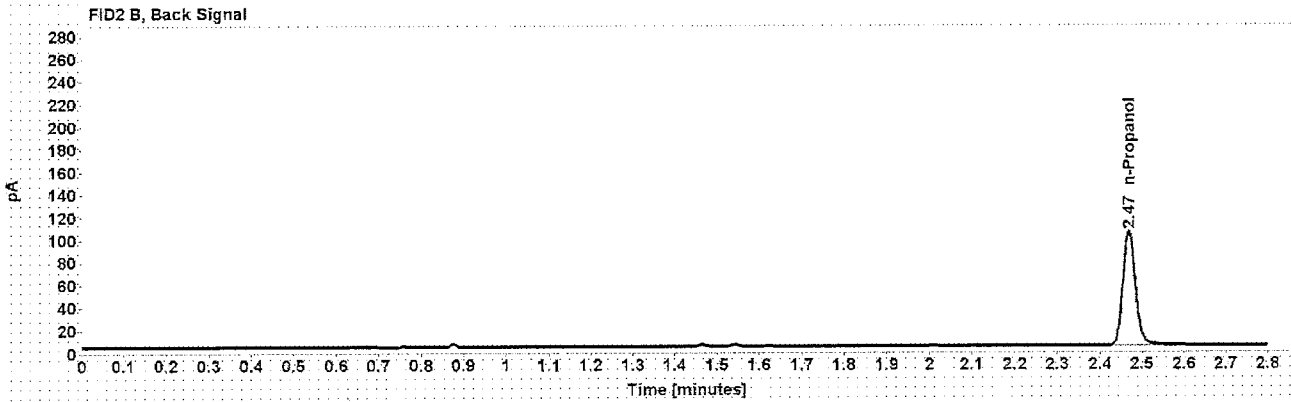
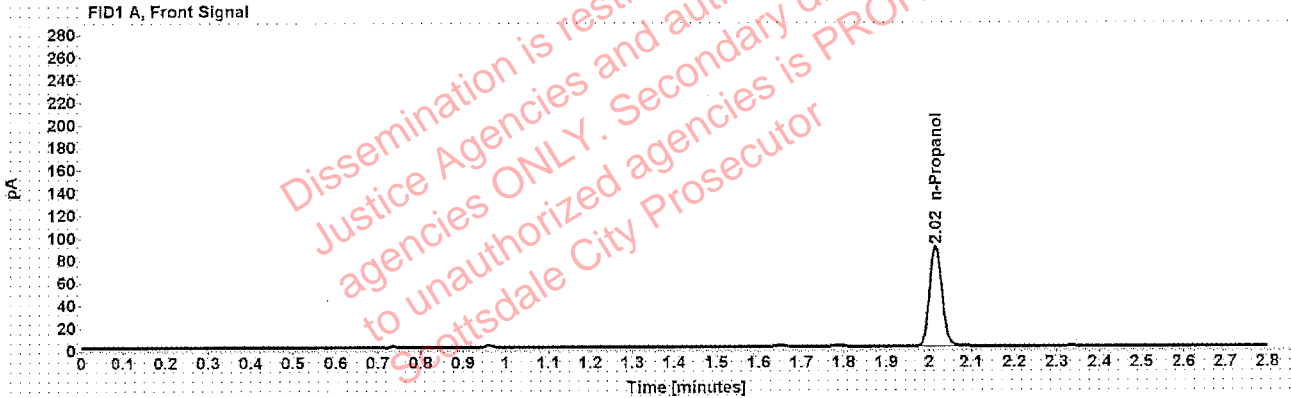


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	177.050

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	210.842

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299021	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:04:40 PM
Data file:	C:\Chem32\11\Data\10Dec19\18.D	Analyst:	Brooke

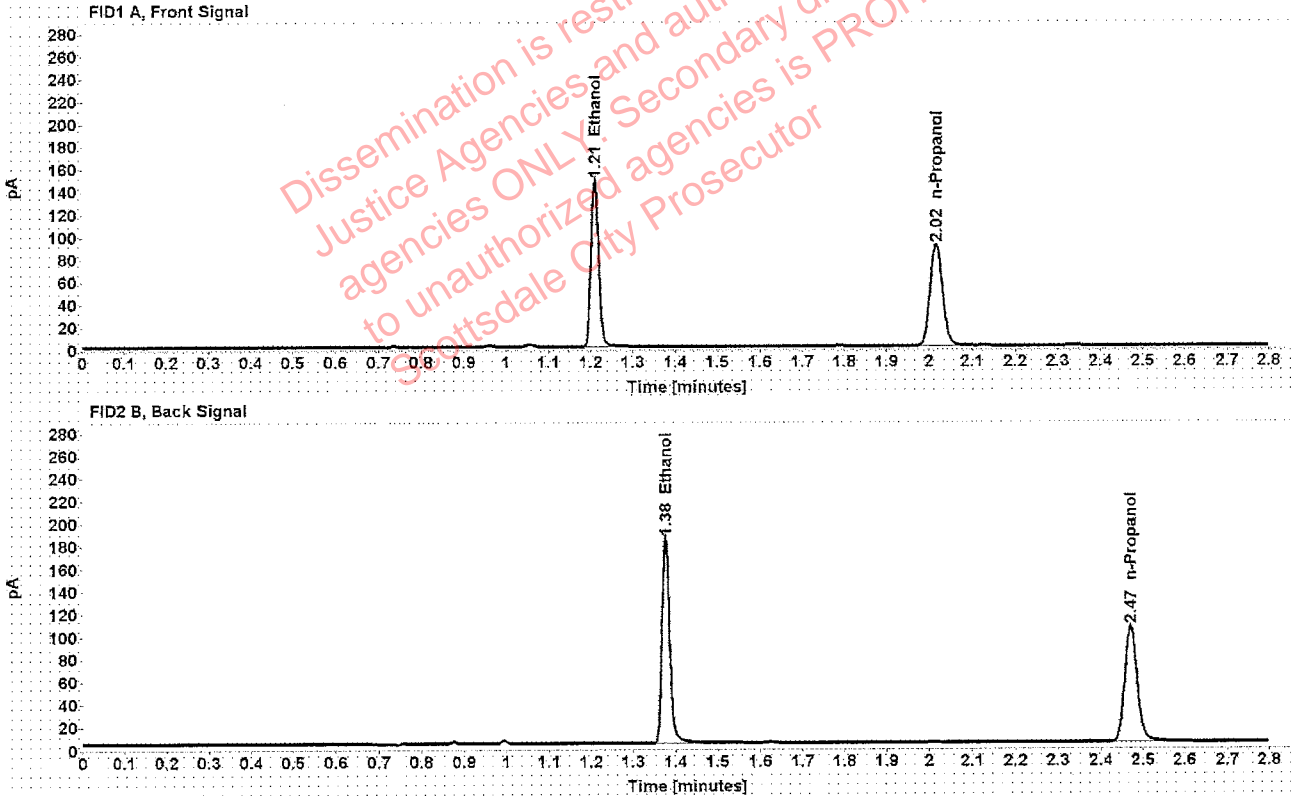


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2908	1.210	188.044
n-Propanol	-----	2.016	179.044

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

Compound	Time (min)	Peak Area
Ethanol	1.376	232.312
n-Propanol	2.470	214.627

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299021	Vial:	19
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:08:54 PM
Data file:	C:\Chem32\1\Data\10Dec19\19.D	Analyst:	Brooke

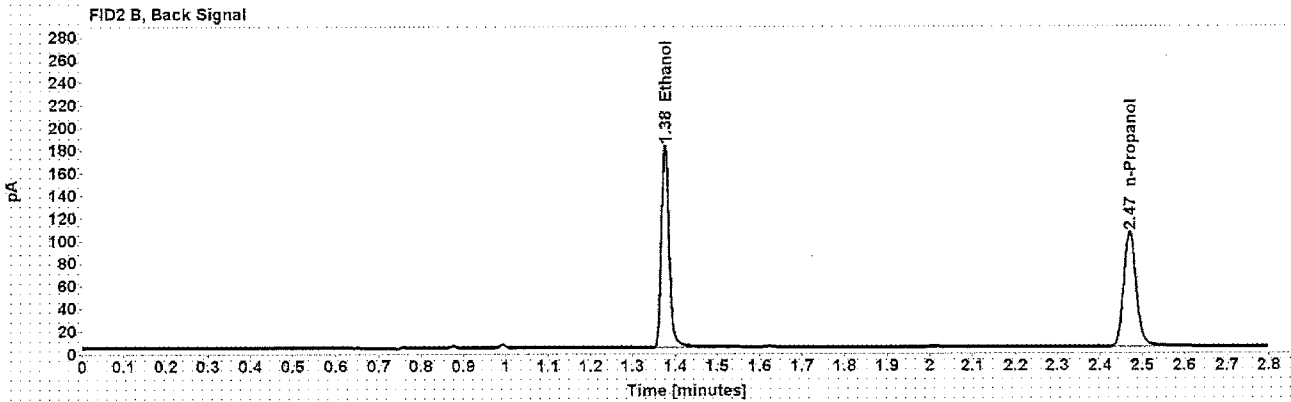
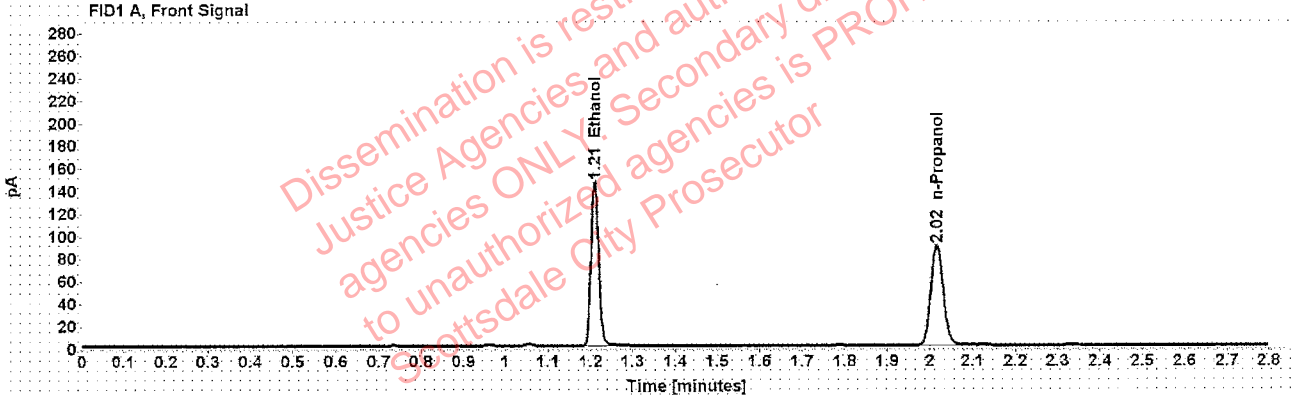


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2910	1.209	185.646
n-Propanol	-----	2.016	176.632

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

Compound	Time (min)	Peak Area
Ethanol	1.376	228.481
n-Propanol	2.470	211.934

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299123	Vial:	21
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:16:55 PM
Data file:	C:\Chem321\Data\10Dec19\21.D	Analyst:	Brooke

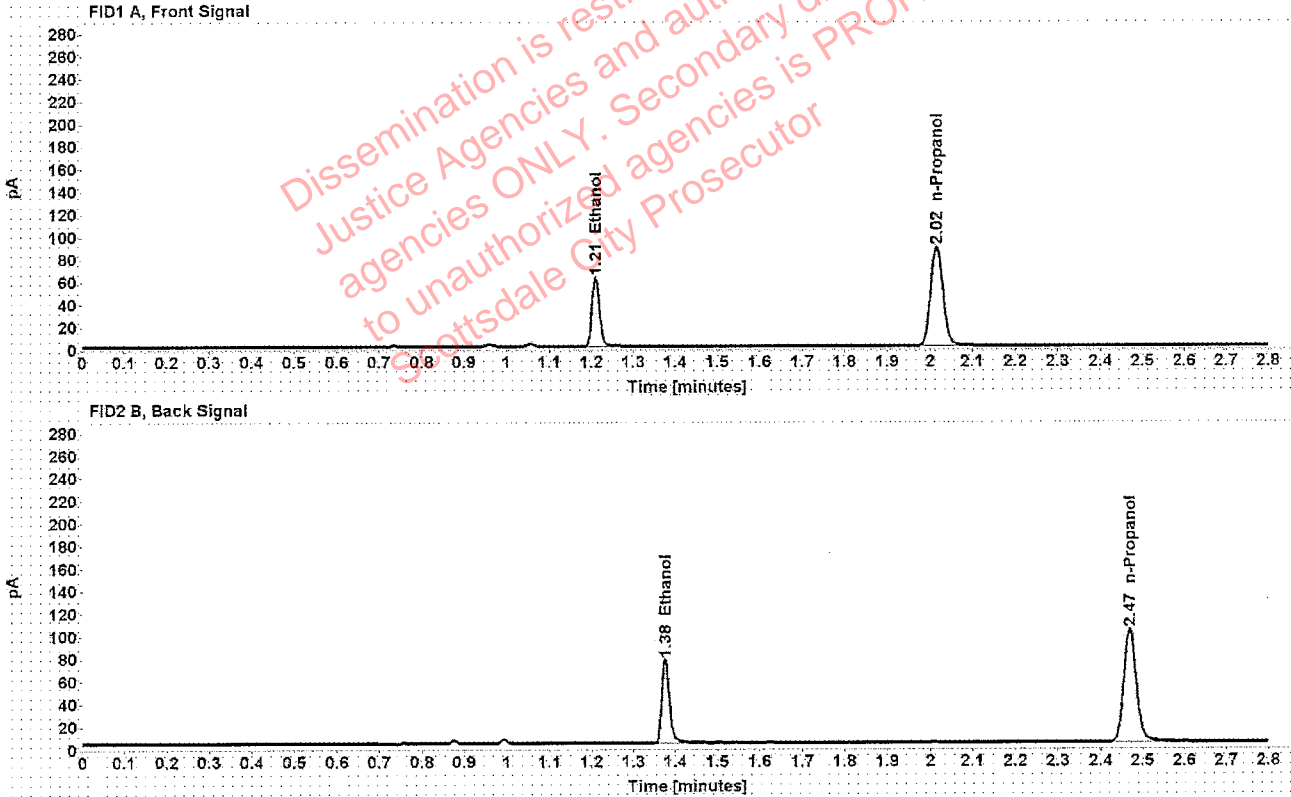


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1245	1.210	78.040
n-Propanol	-----	2.015	175.019

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

Compound	Time (min)	Peak Area
Ethanol	1.376	94.633
n-Propanol	2.469	208.559

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299123	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:20:54 PM
Data file:	C:\Chem32\1\Data\10Dec19\22.D	Analyst:	Brooke

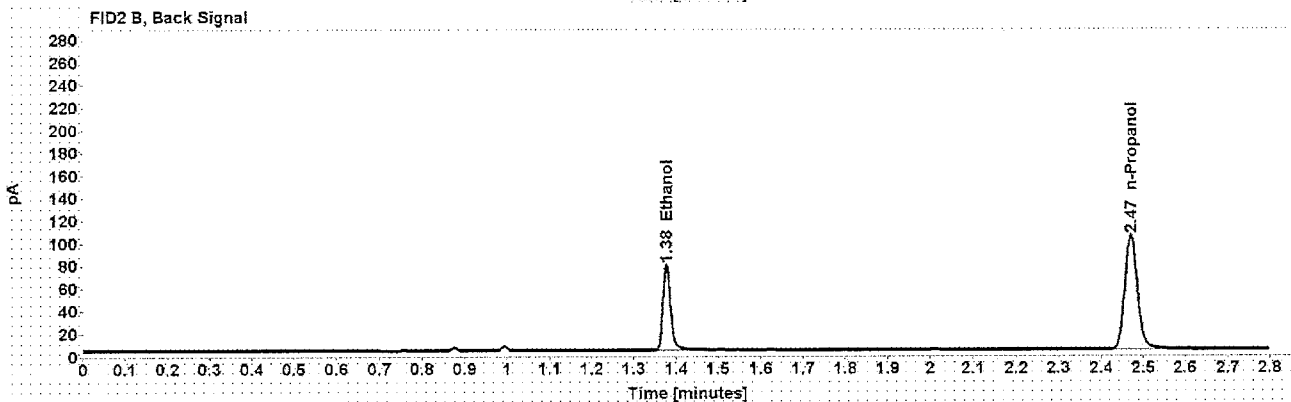
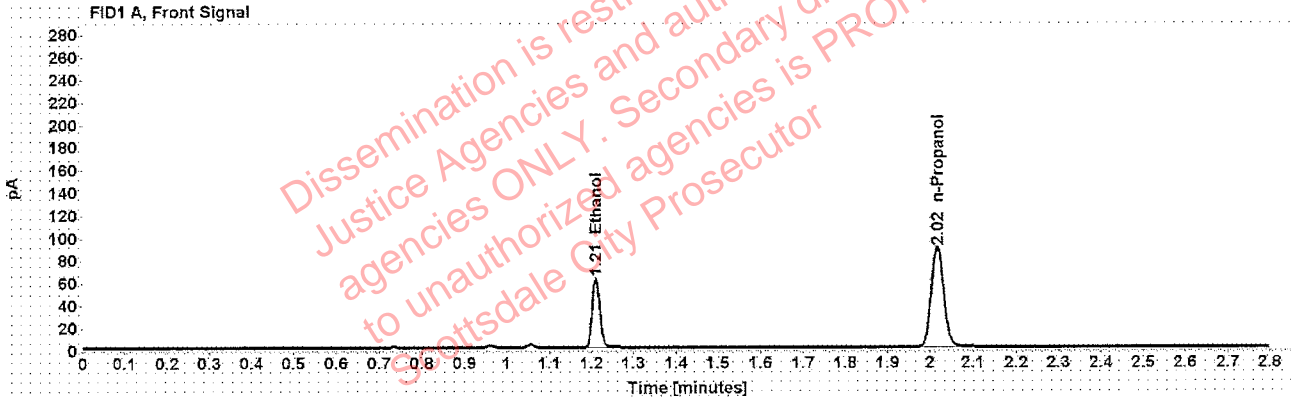


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1250	1.210	78.957
n-Propanol	-----	2.016	176.330

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

Compound	Time (min)	Peak Area
Ethanol	1.377	95.849
n-Propanol	2.470	210.370

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299190	Vial:	23
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:24:54 PM
Data file:	C:\Chem32\1\Data\10Dec19\23.D	Analyst:	Brooke

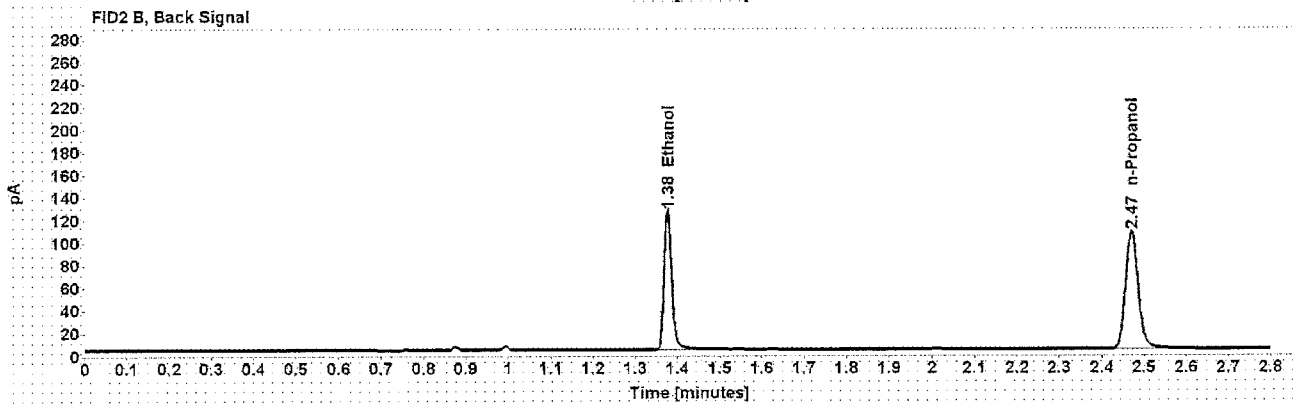
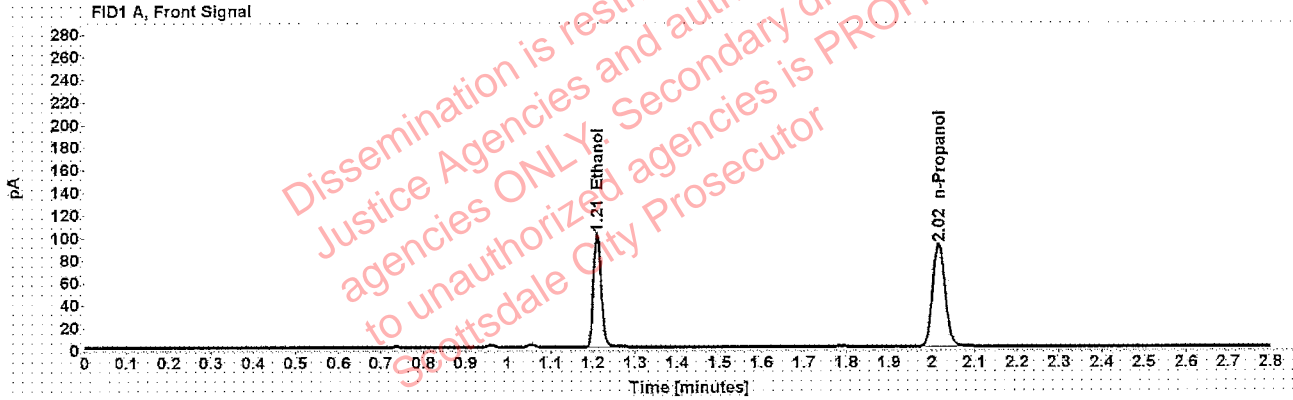


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1967	1.210	128.693
n-Propanol	-----	2.016	181.672

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

Compound	Time (min)	Peak Area
Ethanol	1.376	158.699
n-Propanol	2.470	217.655

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299190	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:28:54 PM
Data file:	C:\Chem32\1\Data\10Dec19\24.D	Analyst:	Brooke

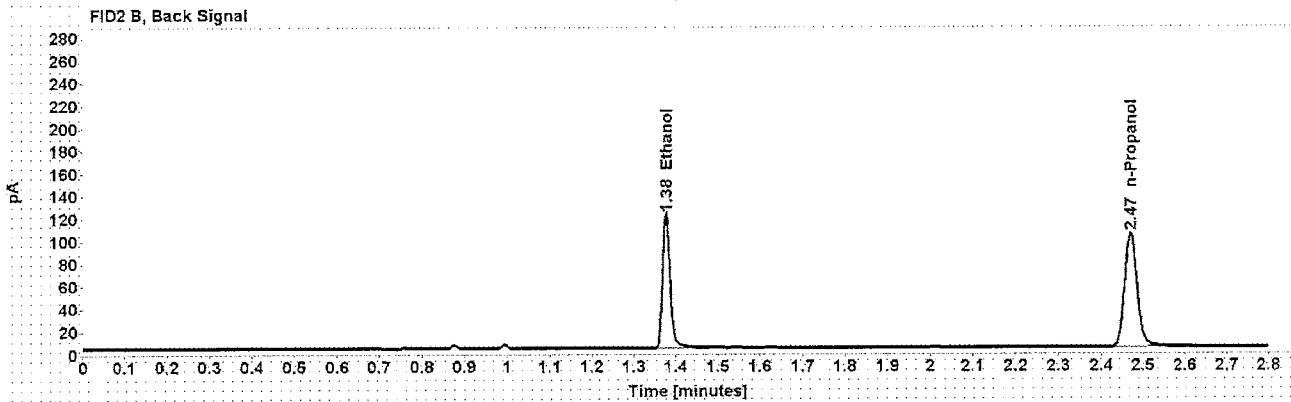
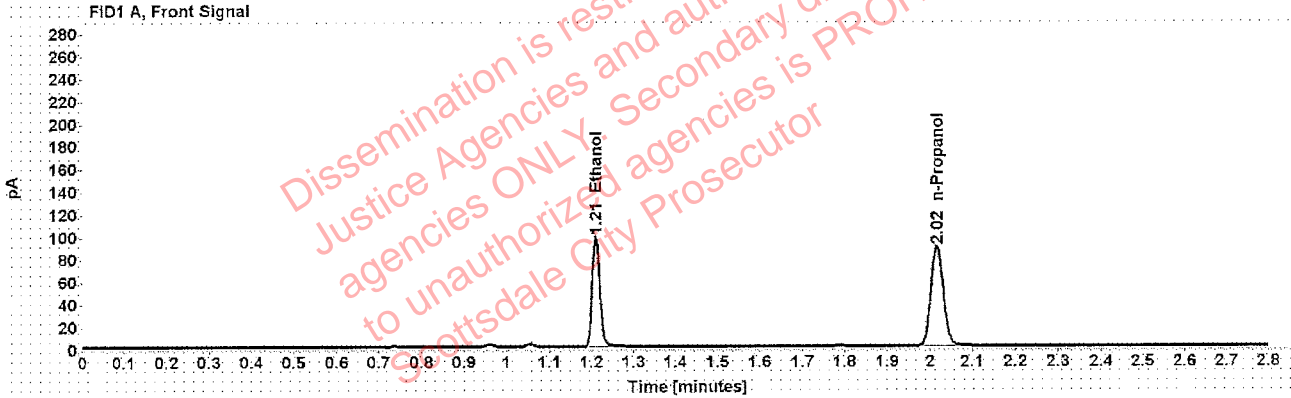


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1958	1.210	124.353
n-Propanol	-----	2.016	176.436

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

Compound	Time (min)	Peak Area
Ethanol	1.376	153.418
n-Propanol	2.470	209.885

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299422	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:33:09 PM
Data file:	C:\Chem32\1\Data\10Dec19\25.D	Analyst:	Brooke

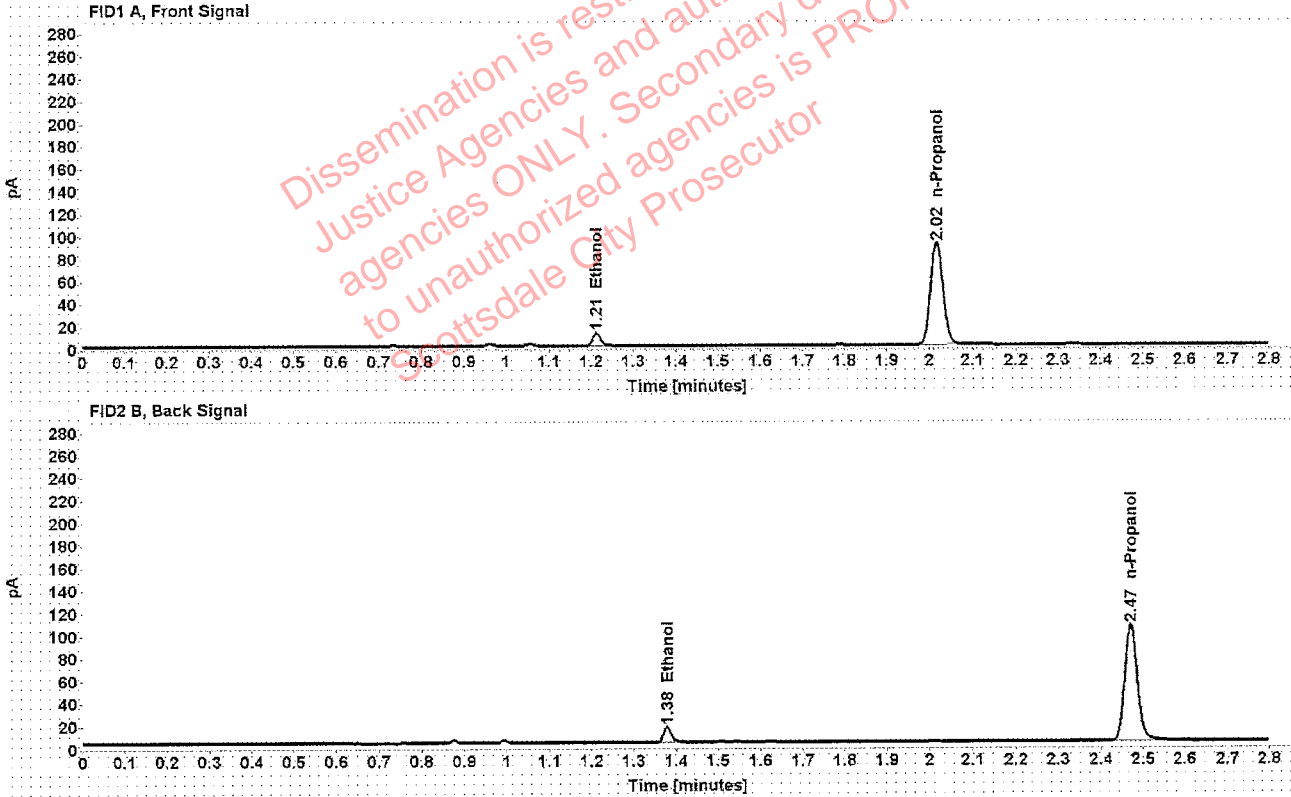


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0241	1.213	14.604
n-Propanol	-----	2.016	180.333

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

Compound	Time (min)	Peak Area
Ethanol	1.378	18.077
n-Propanol	2.470	214.608

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299422	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:37:09 PM
Data file:	C:\Chem32\1\Data\10Dec19\26.D	Analyst:	Brooke

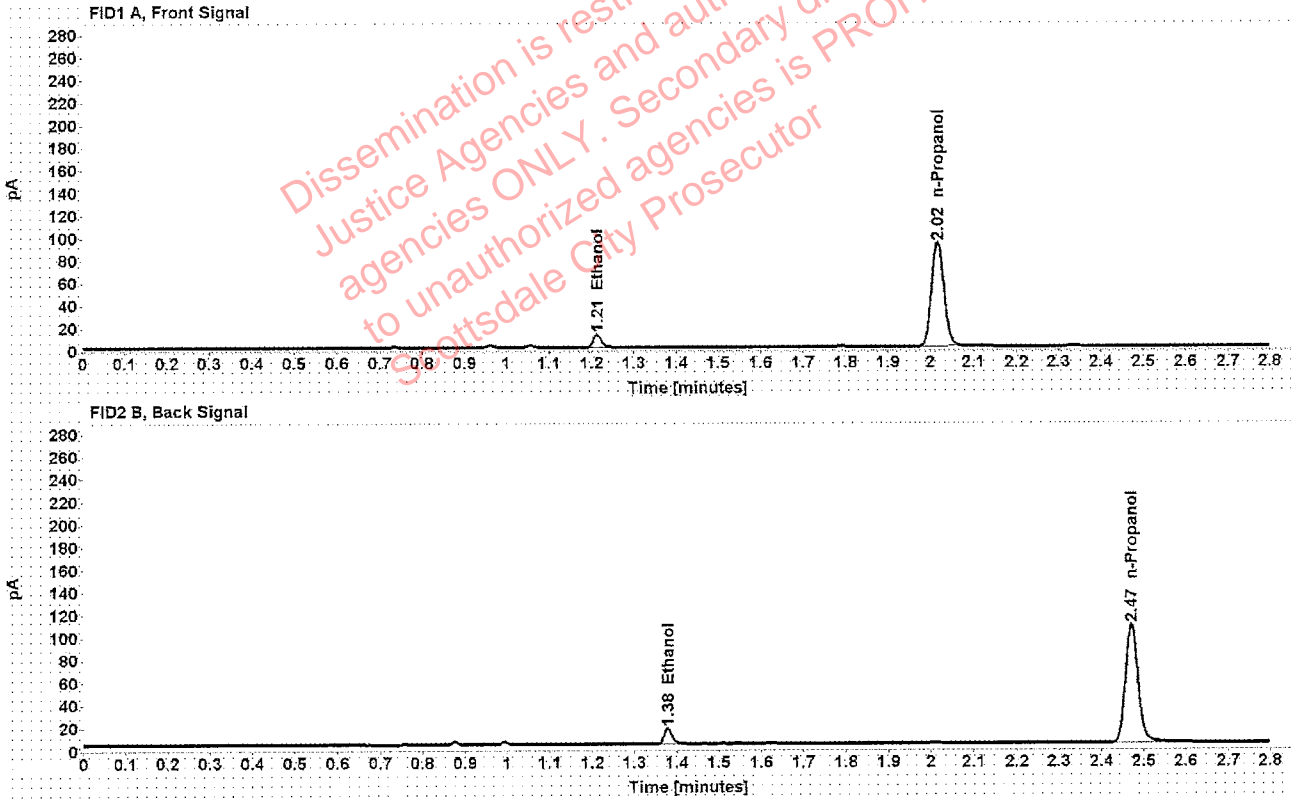


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0241	1.213	14.920
n-Propanol	-----	2.016	183.649

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

Compound	Time (min)	Peak Area
Ethanol	1.378	18.700
n-Propanol	2.470	219.063

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299426	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:41:09 PM
Data file:	C:\Chem32\1\Data\10Dec19\27.D	Analyst:	Brooke

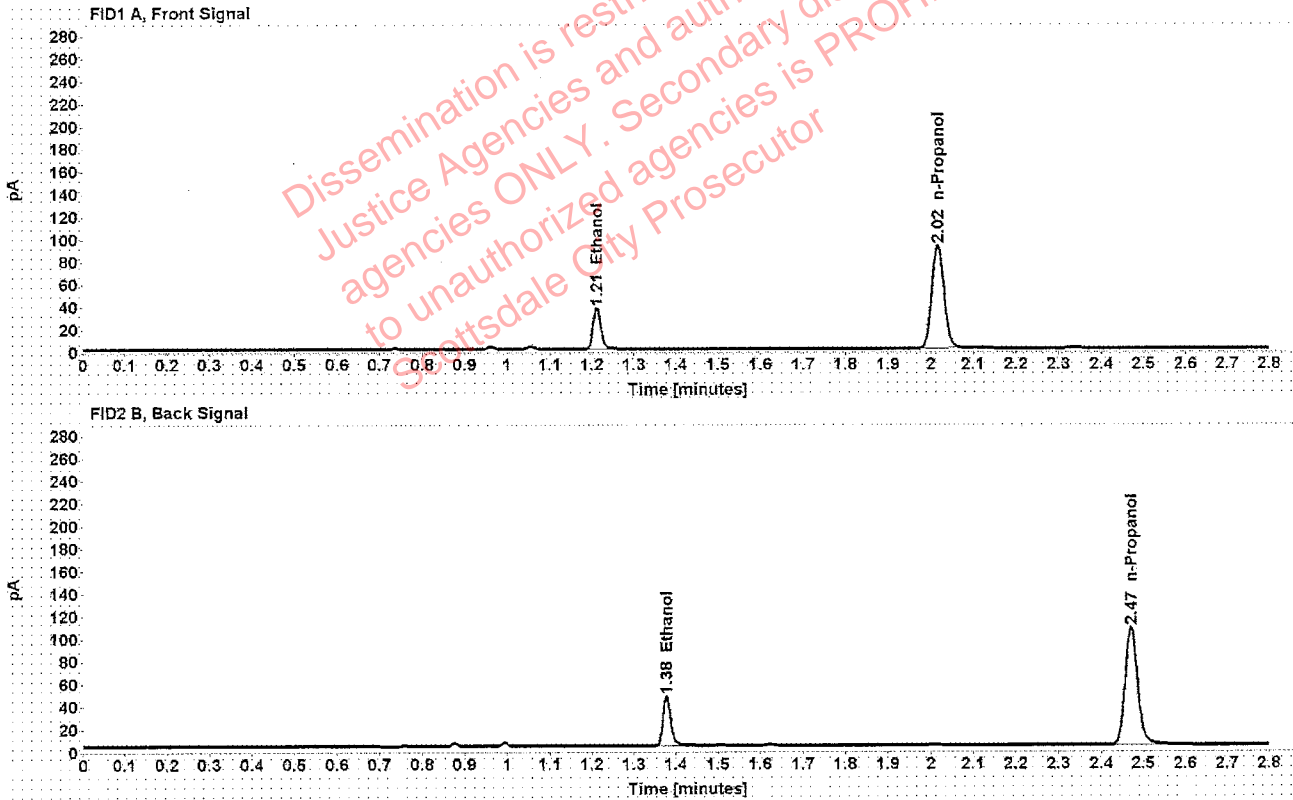


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0724	1.211	46.688
n-Propanol	-----	2.016	182.048

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

Compound	Time (min)	Peak Area
Ethanol	1.377	56.300
n-Propanol	2.470	218.023

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299426	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:45:09 PM
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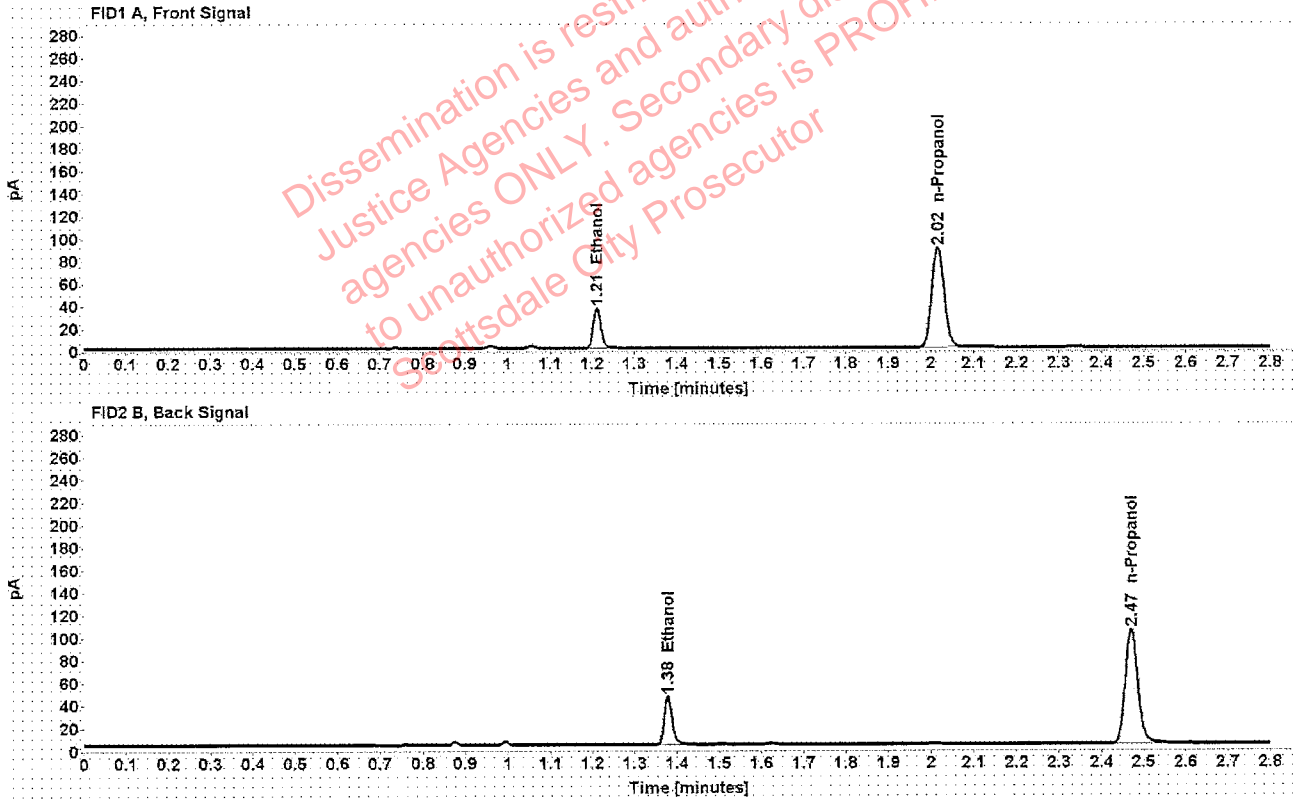


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0724	1.211	45.516
n-Propanol	-----	2.016	177.314

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

Compound	Time (min)	Peak Area
Ethanol	1.377	55.036
n-Propanol	2.470	211.741

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299461	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:49:09 PM
Data file:	C:\Chem321\Data\10Dec19\29.D	Analyst:	Brooke

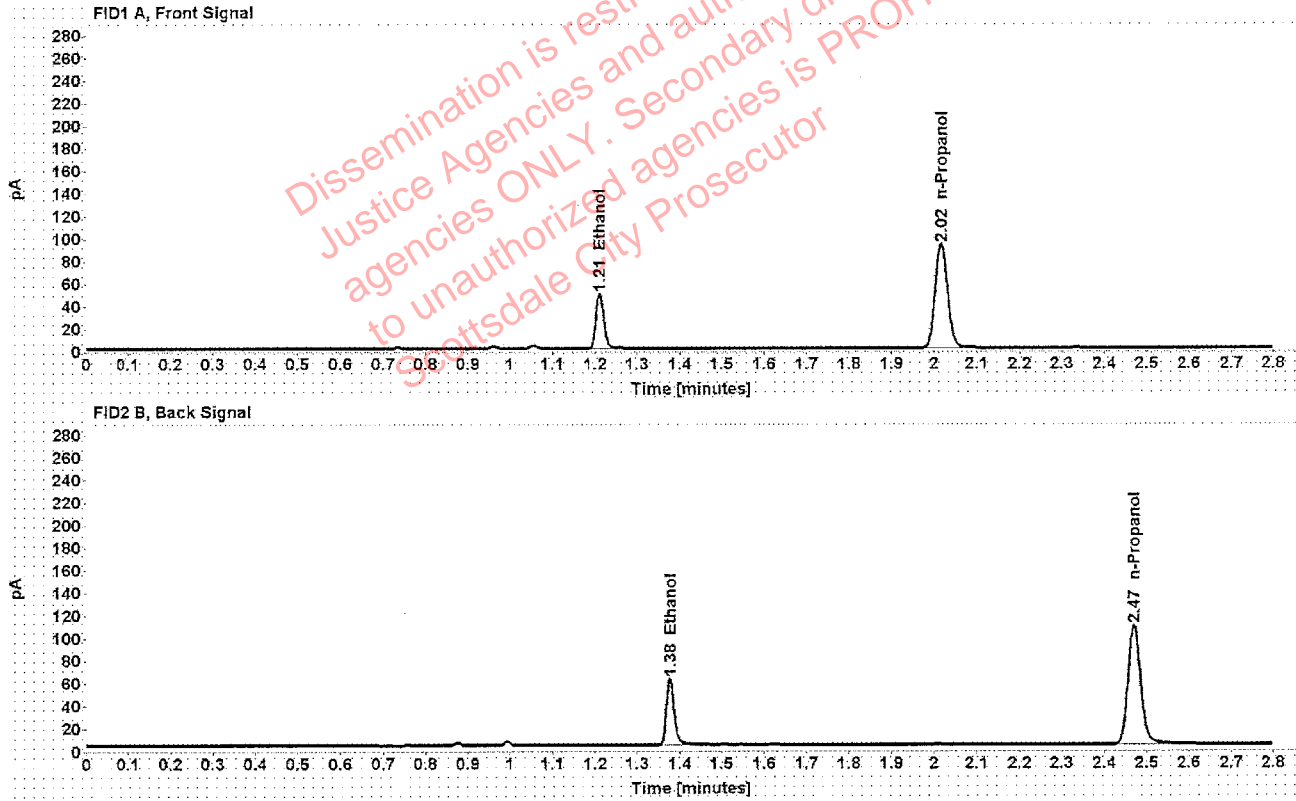


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0950	1.211	62.289
n-Propanol	-----	2.016	183.992

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

Compound	Time (min)	Peak Area
Ethanol	1.377	75.196
n-Propanol	2.470	219.640

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1299461	Vial:	30
Description:	████████████████████	LIMS ID:	████████████████████
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 2:53:09 PM
Data file:	C:\Chem32\1\Data\10Dec19\30.D	Analyst:	Brooke

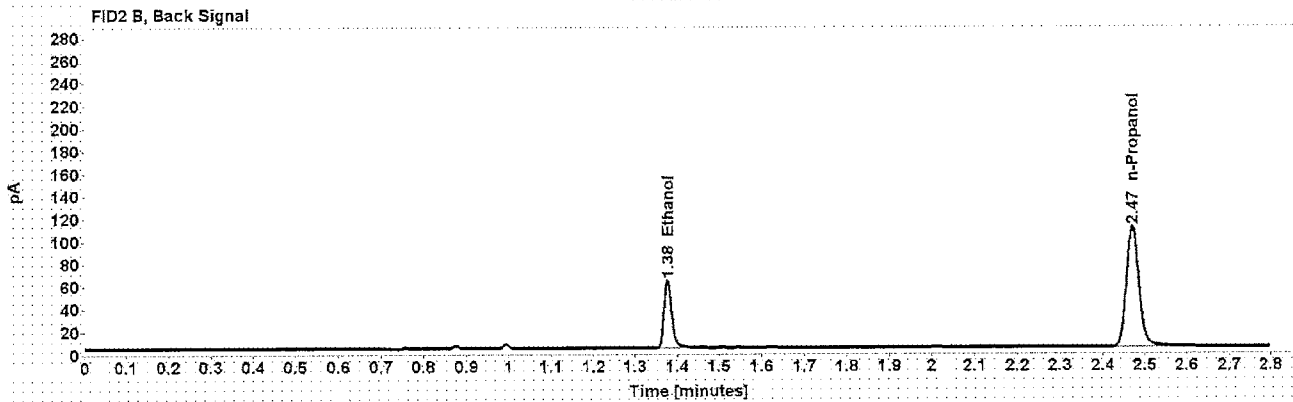
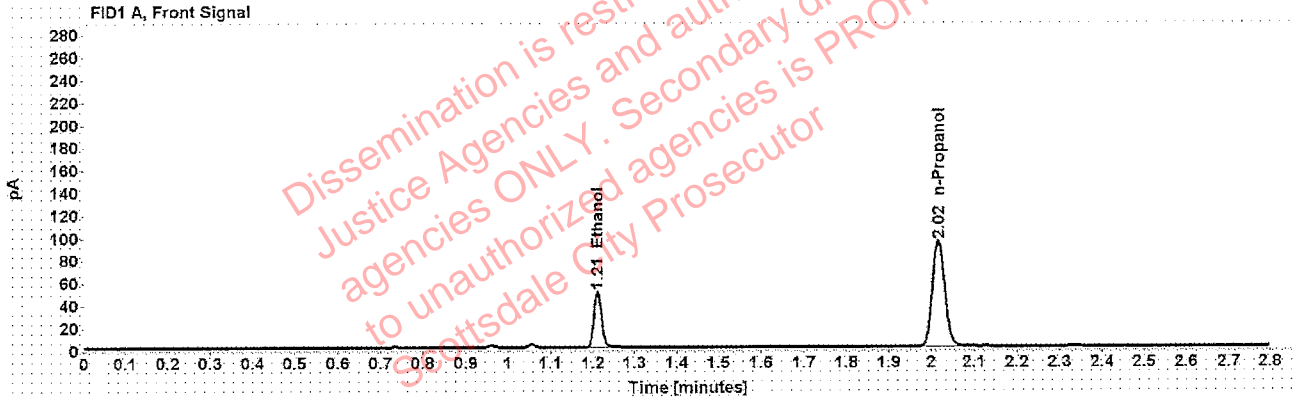


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0951	1.211	63.183
n-Propanol	-----	2.016	186.427

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

Compound	Time (min)	Peak Area
Ethanol	1.377	76.399
n-Propanol	2.470	222.855

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293928	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 3:01:25 PM
Data file:	C:\Chem32\1\Data\10Dec19\32.D	Analyst:	Brooke

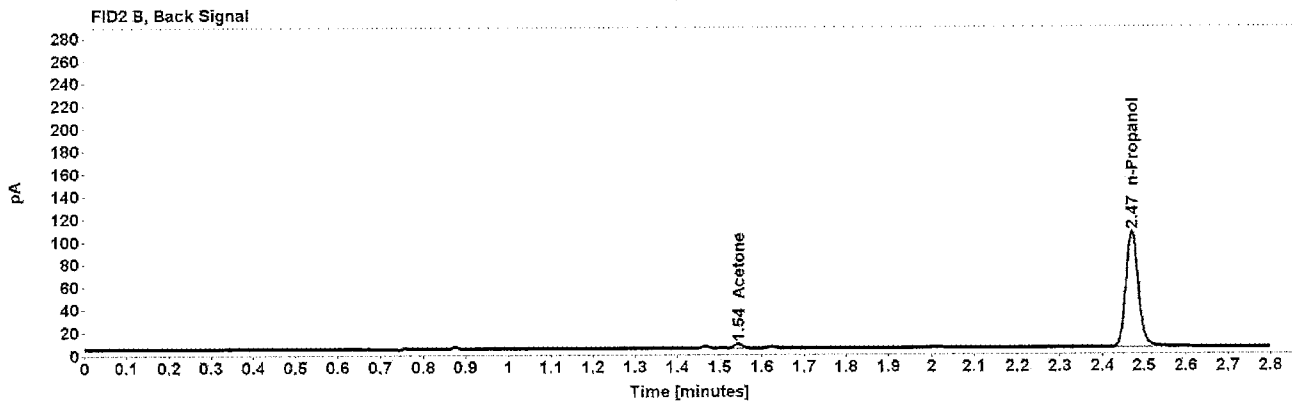


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetone	-----	1.787	4.500
n-Propanol	-----	2.016	178.485

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

Compound	Time (min)	Peak Area
Acetone	1.544	5.520
n-Propanol	2.470	212.735

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293928	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 3:05:25 PM
Data file:	C:\Chem32\1\Data\10Dec19\33.D	Analyst:	Brooke

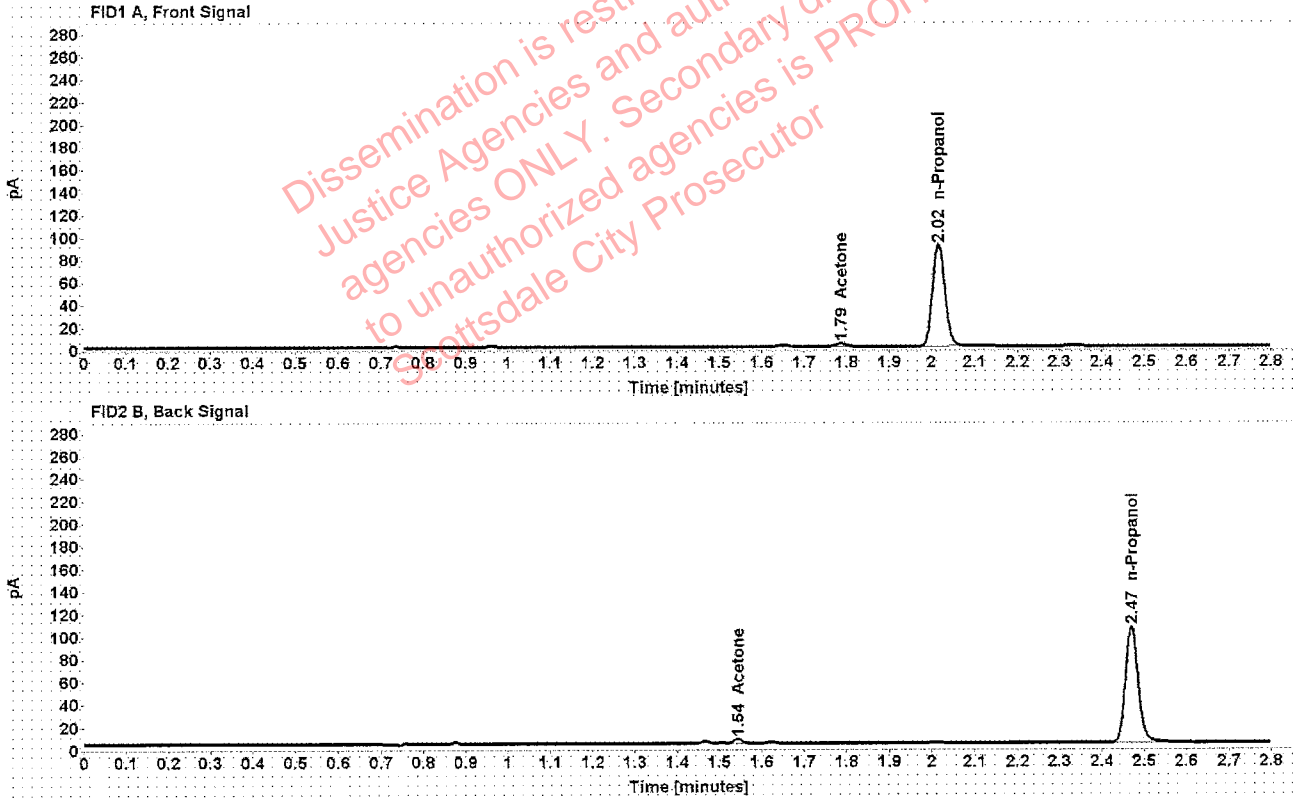


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetone	-----	1.786	4.562
n-Propanol	-----	2.016	179.615

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

Compound	Time (min)	Peak Area
Acetone	1.543	5.566
n-Propanol	2.470	214.385

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1300019	Vial: 34
Description: ██████████	LIMS ID: ██████████
Method: ethanol quant.M	Sequence: 10Dec19
Instrument: US14173023 CN14160045	Injection date: 12/10/2019 3:09:24 PM
Data file: C:\Chem32\1\Data\10Dec19\34.D	Analyst: Brooke

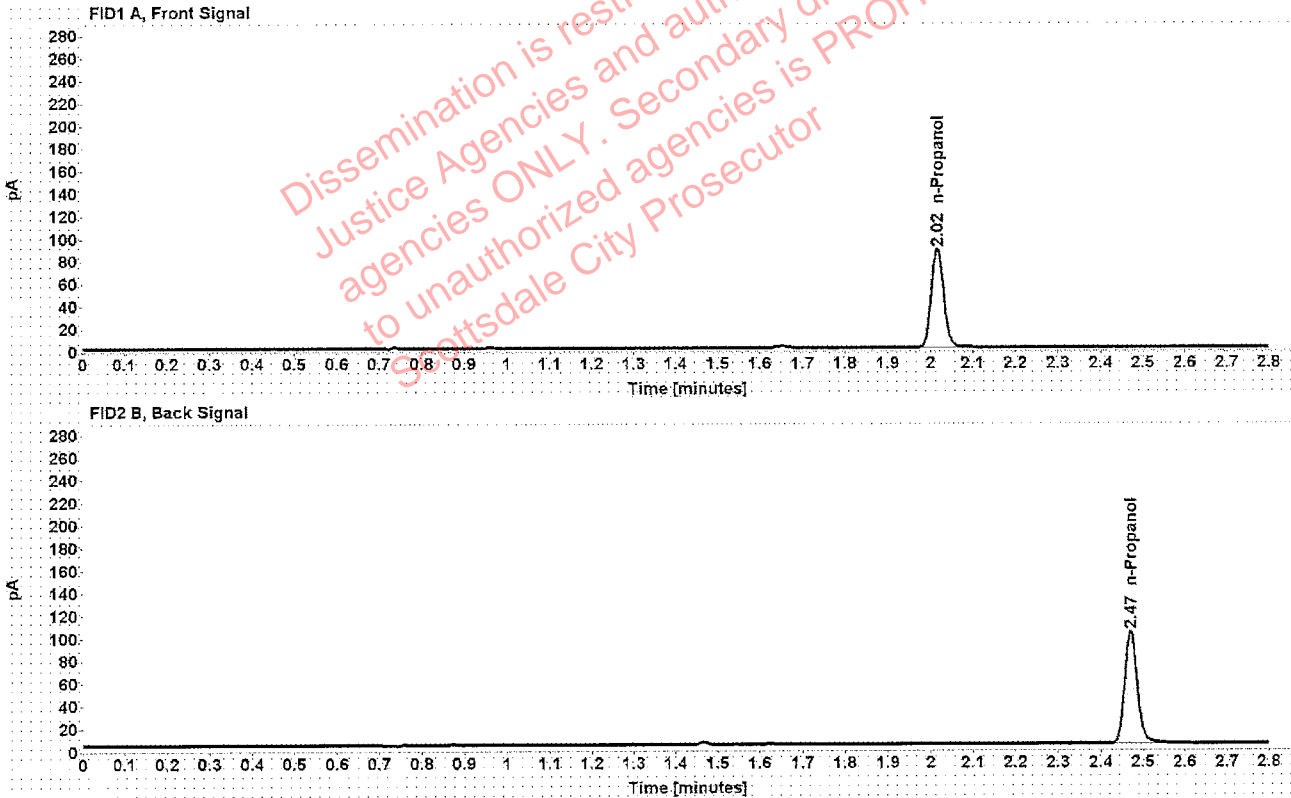


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	174.425

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	207.865

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300019	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	10Dec19
Instrument:	US14173023 CN14160045	Injection date:	12/10/2019 3:13:25 PM
Data file:	C:\Chem32\1\Data\10Dec19\35.D	Analyst:	Brooke

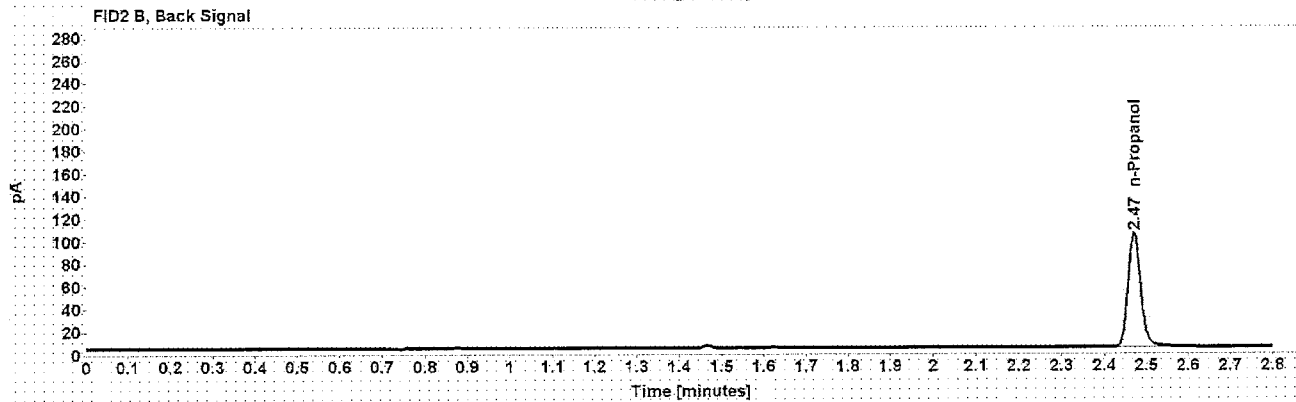


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	176.840

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

Compound	Time (min)	Peak Area
n-Propanol	2.470	210.667