

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/17/2021 SEQUENCE NAME 17Nov21

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN06141806 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN05311902 0.99996
 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 100421AQ
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.398 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/2
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
40	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed 11092018-A
41	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
42	Blood control	0.199 g/dL	0.202 g/dL	ACQ 4110320133/2
43	Blank	Not detected	Not detected	SPD lab 111020WB

SUBJECT SAMPLES

Subjects in the sequence 14 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

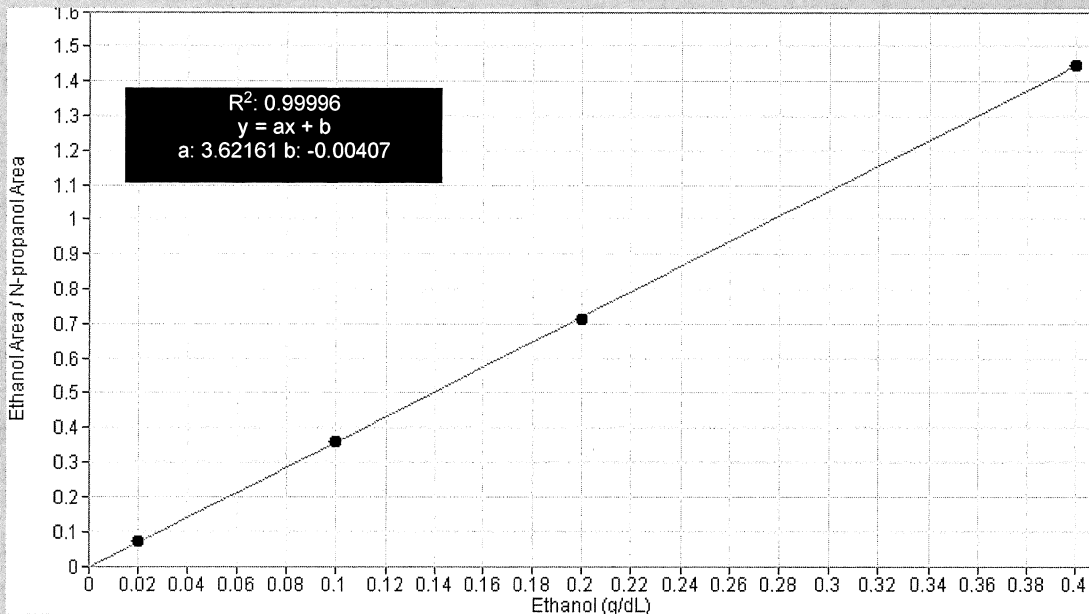
SEQUENCE NAME: 17Nov21

ANALYST: Abbott *GA*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 100421AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.398	0.400	0.50	-0.002
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/2	9	0.202	0.199	1.51	0.003
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.080 20012020-B	31	0.080	0.080	0.00	0.000
0.400 11092018-A	40	0.400	0.400	0.00	0.000
0.040 14082019-B	41	0.040	0.040	0.00	0.000
0.199 4110320133/2	42	0.202	0.199	1.51	0.003
blank 111020WB	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.910	171.178	0.070
0.100	63.616	176.544	0.360
0.200	120.872	169.153	0.715
0.400	243.297	168.163	1.447

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06141806	Vial: 1
Description: 0.020 calibrator	Sequence: 17Nov21
Method: ethanol quant.M	Injection date: 11/17/2021 11:17:17 AM
Instrument: US14173023 CN14160045	Analyst: Abbott <i>JA</i>
Data file: C:\Chem32\1\Data\17Nov21\1.D	

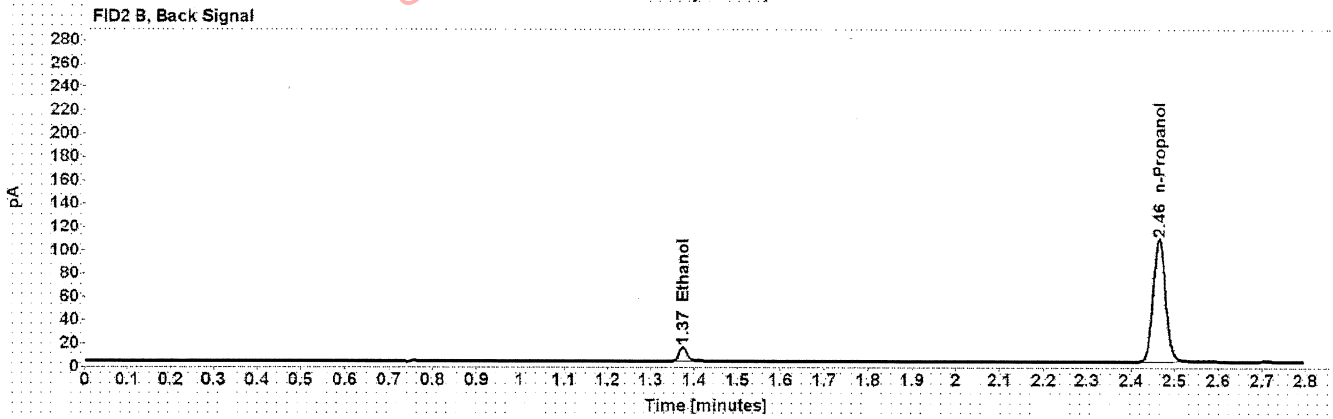
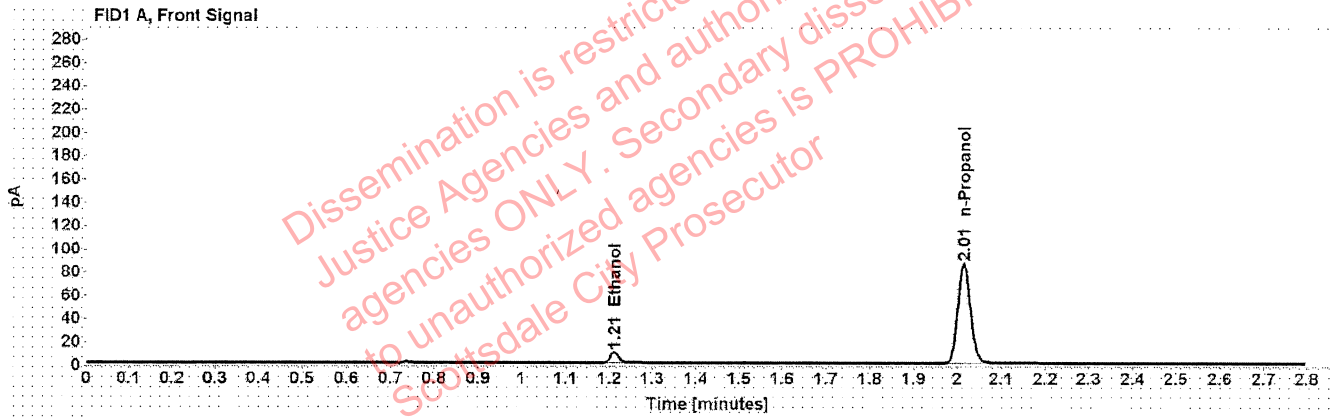


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	11.910
n-Propanol	2.015	171.178

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

Compound	Time (min)	Peak Area
Ethanol	1.374	14.817
n-Propanol	2.464	211.879

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	17Nov21
Method:	ethanol quant.M	Injection date:	11/17/2021 11:21:17 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott <i>bl</i>
Data file:	C:\Chem32\1\Data\17Nov21\2.D		

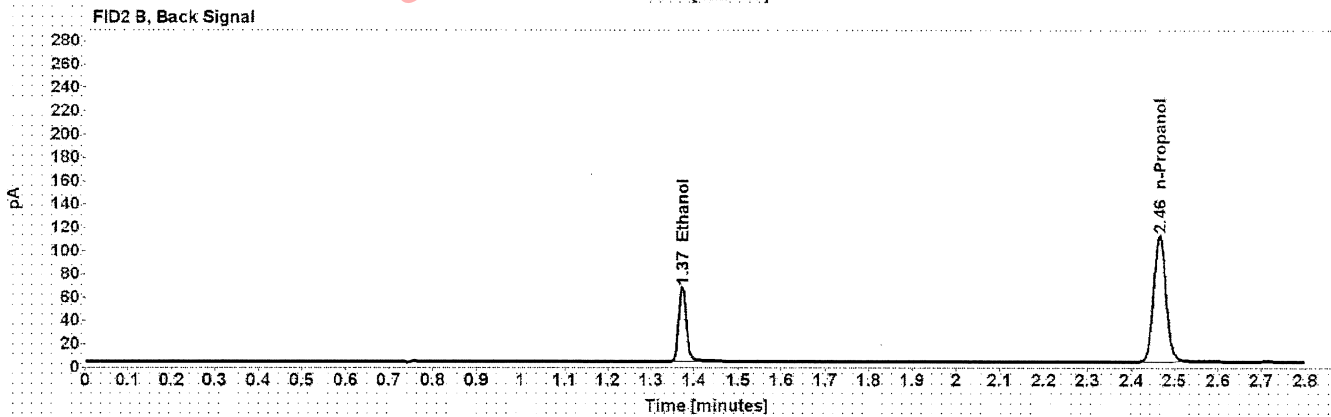
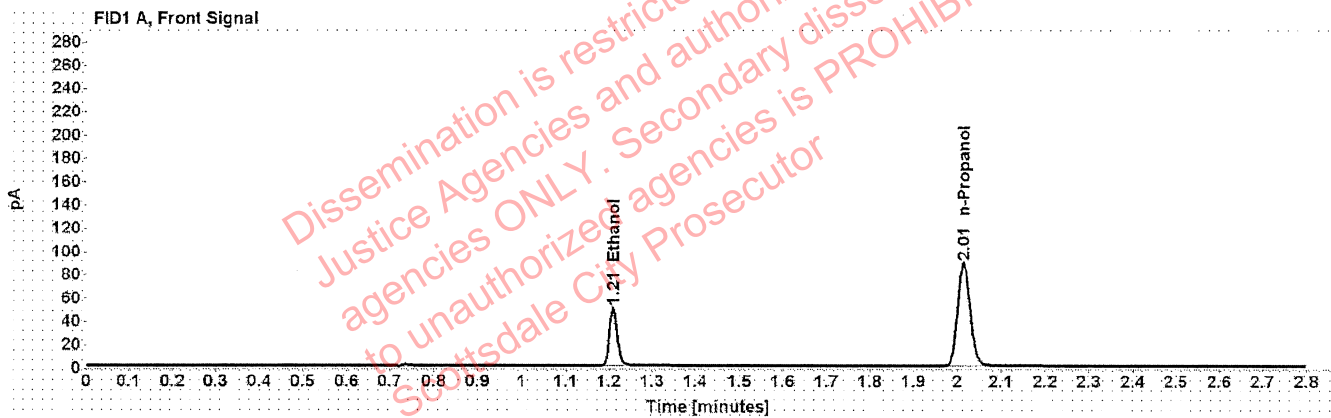


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	63.616
n-Propanol	2.015	176.544

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

Compound	Time (min)	Peak Area
Ethanol	1.372	79.179
n-Propanol	2.465	218.403

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05101903	Vial:	3
Description:	0.200 calibrator	Sequence:	17Nov21
Method:	ethanol quant.M	Injection date:	11/17/2021 11:25:17 AM
Instrument:	US14173023 CN14160045	Analyst:	Abbott
Data file:	C:\Chem32\1\Data\17Nov21\3.D		

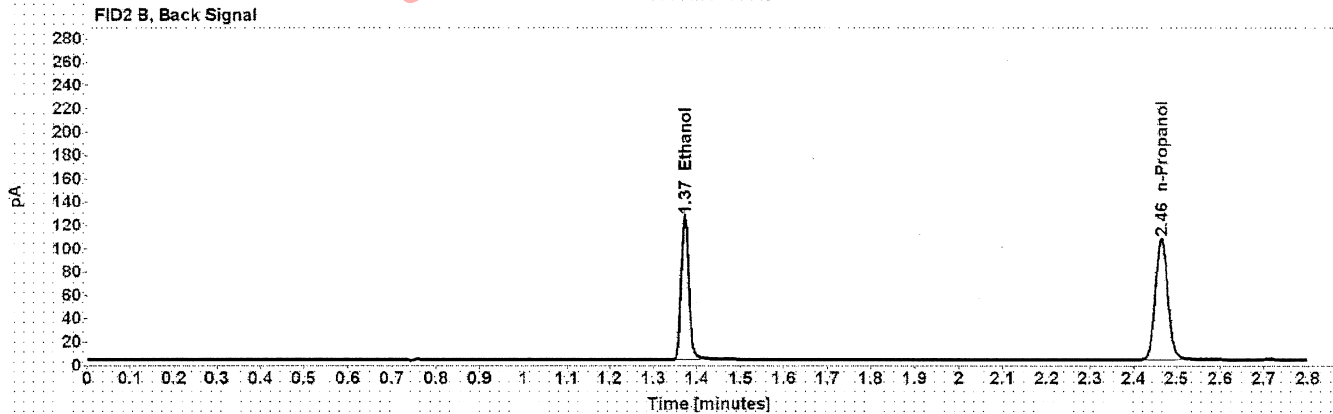
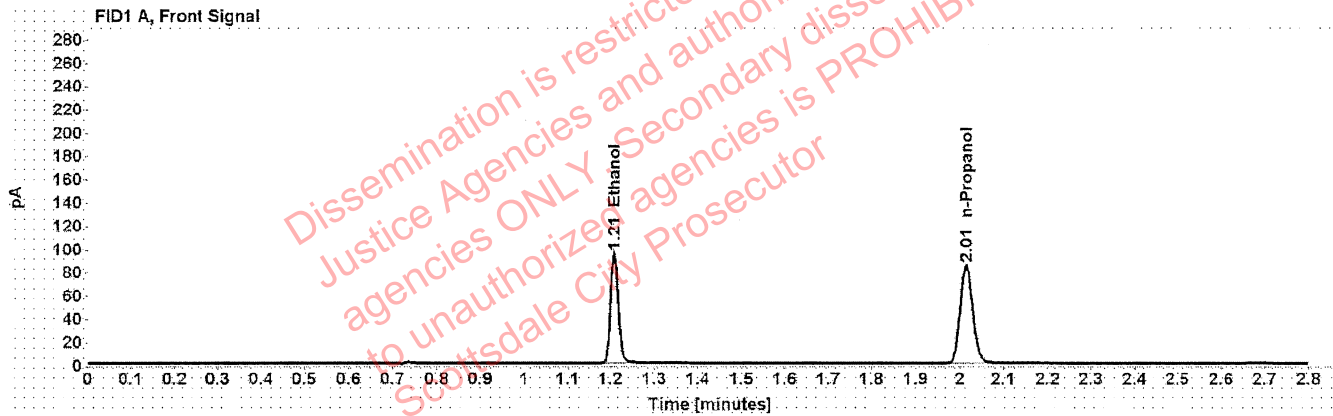


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	120.872
n-Propanol	2.015	169.153

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

Compound	Time (min)	Peak Area
Ethanol	1.372	151.148
n-Propanol	2.465	209.326

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051906	Vial: 4
Description: 0.400 calibrator	Sequence: 17Nov21
Method: ethanol quant.M	Injection date: 11/17/2021 11:29:18 AM
Instrument: US14173023 CN14160045	Analyst: Abbott
Data file: C:\Chem32\1\Data\17Nov21\4.D	

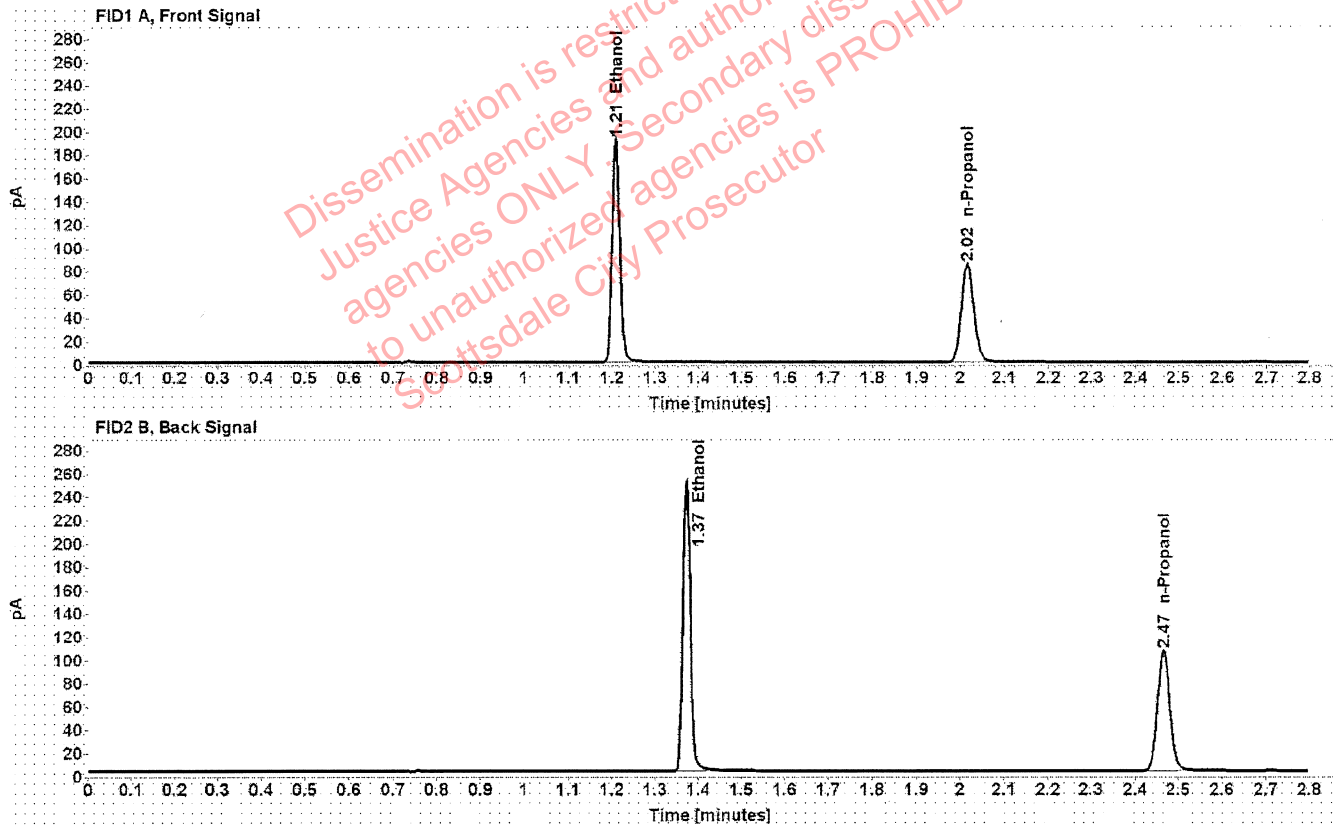


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	243.297
n-Propanol	2.016	168.163

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

Compound	Time (min)	Peak Area
Ethanol	1.373	304.703
n-Propanol	2.466	207.984

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 100421AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 11:33:17 AM
Data file: C:\Chem321\Data\17Nov21\5.D	Analyst: Abbott

JA

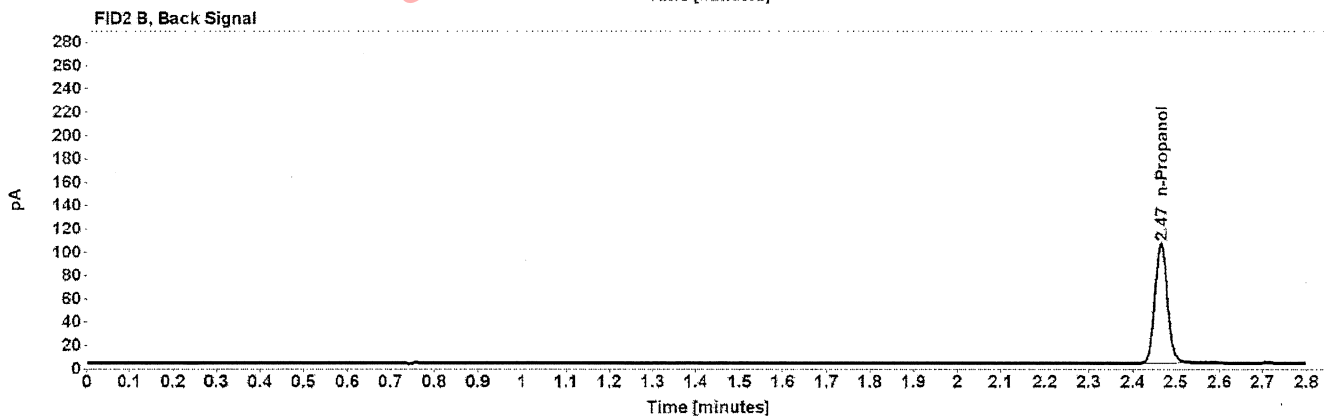
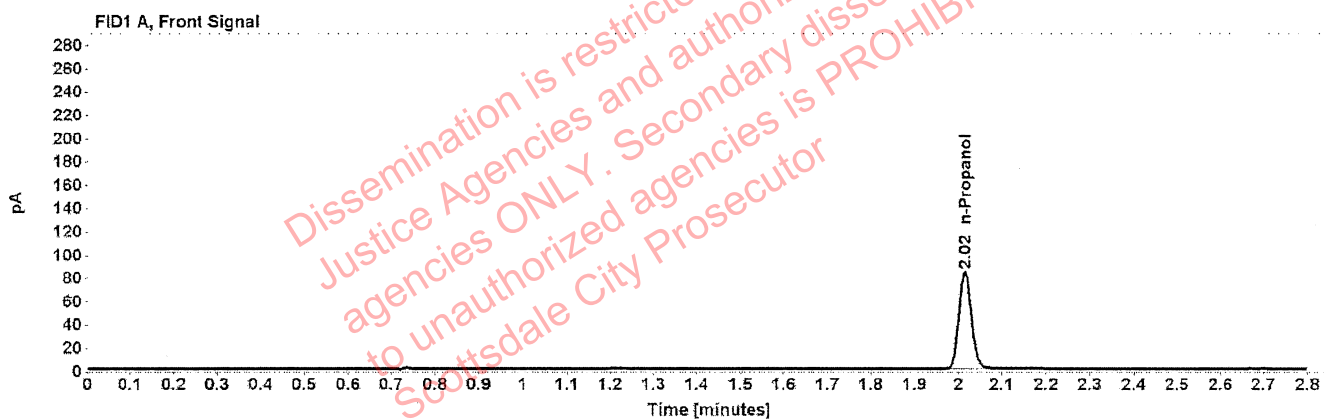


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	167.220

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	206.817

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 050721MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 11:37:17 AM
Data file: C:\Chem32\1\Data\17Nov21\6.D	Analyst: Abbott <i>JA</i>

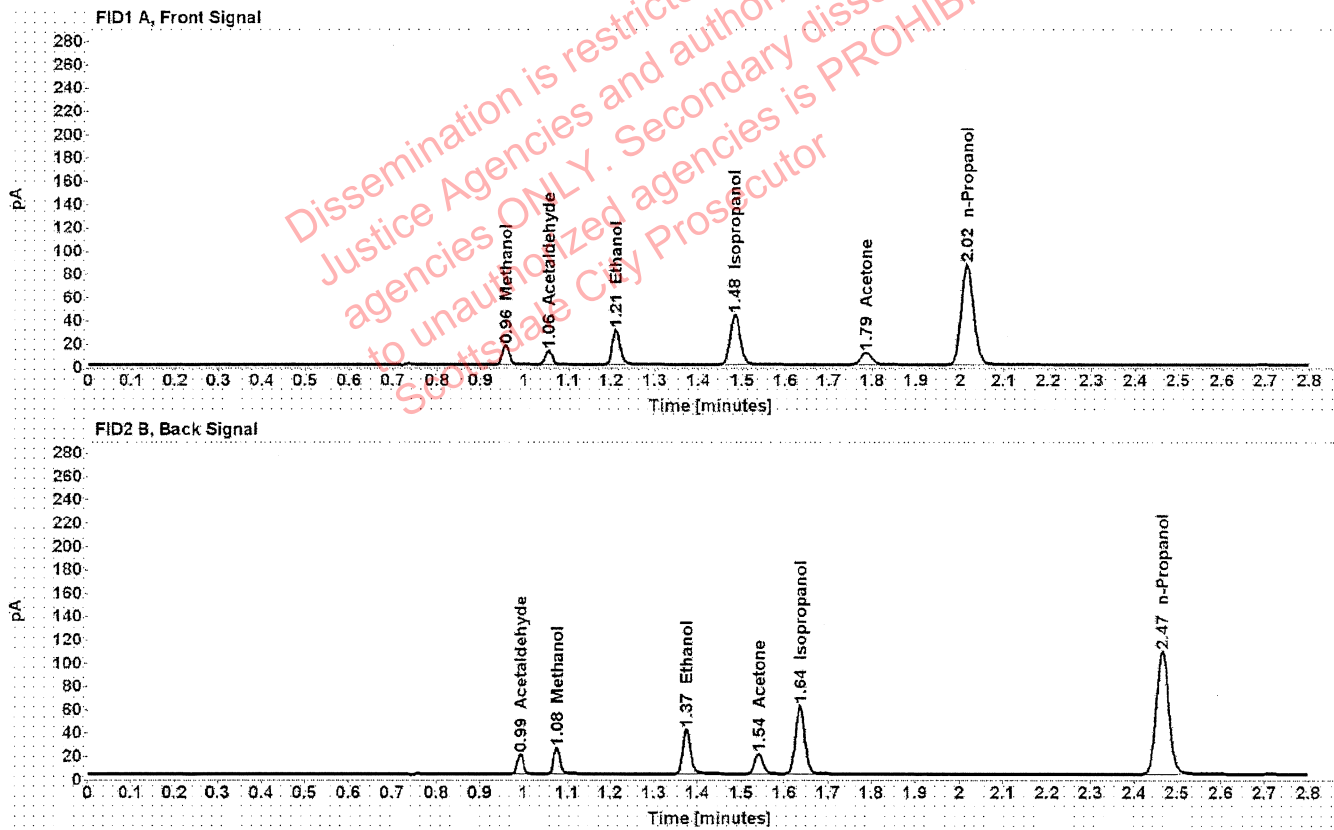


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	18.520
Acetaldehyde	-----	1.055	12.598
>Ethanol	0.0627	1.211	38.339
Isopropanol	-----	1.484	68.645
Acetone	-----	1.785	17.908
n-Propanol	-----	2.016	171.930

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	16.462
Methanol	1.076	23.862
Ethanol	1.374	47.661
Acetone	1.541	22.488
Isopropanol	1.636	87.854
n-Propanol	2.466	212.825

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 11:41:32 AM
Data file: C:\Chem32\1\Data\17Nov21\7.D	Analyst: Abbott JA

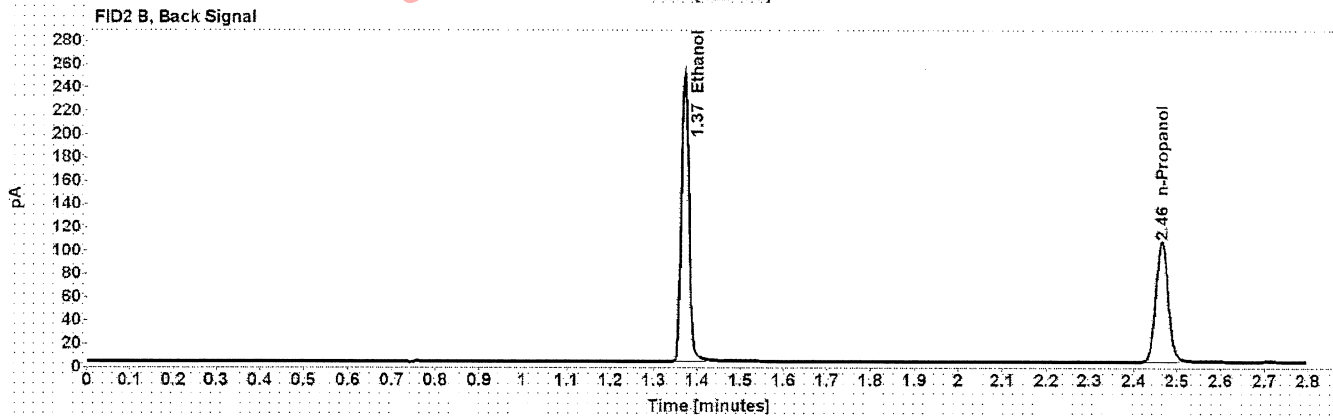
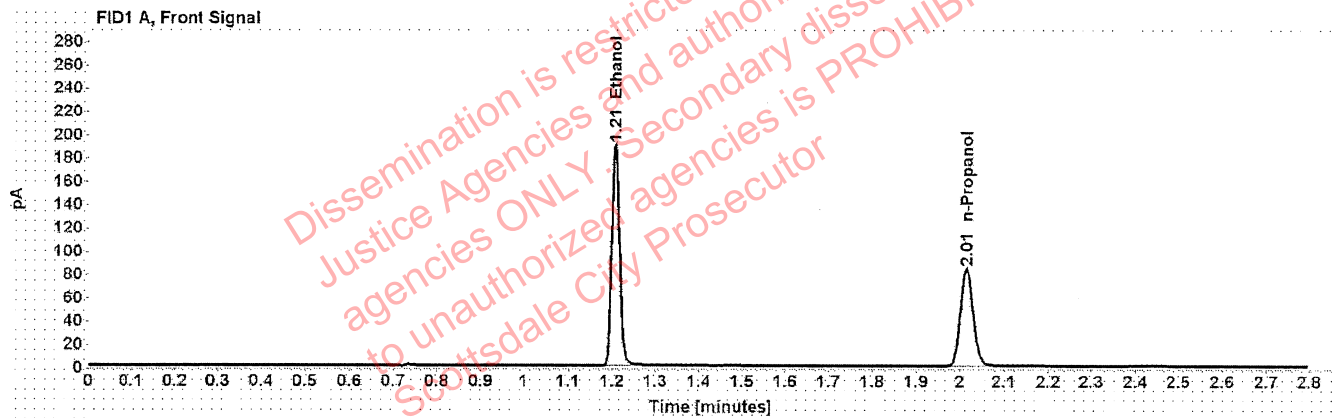


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3984	1.208	241.286
n-Propanol	-----	2.015	167.692

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

Compound	Time (min)	Peak Area
Ethanol	1.371	302.706
n-Propanol	2.464	207.784

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 11:45:32 AM
Data file: C:\Chem32\1\Data\17Nov21\8.D	Analyst: Abbott JA

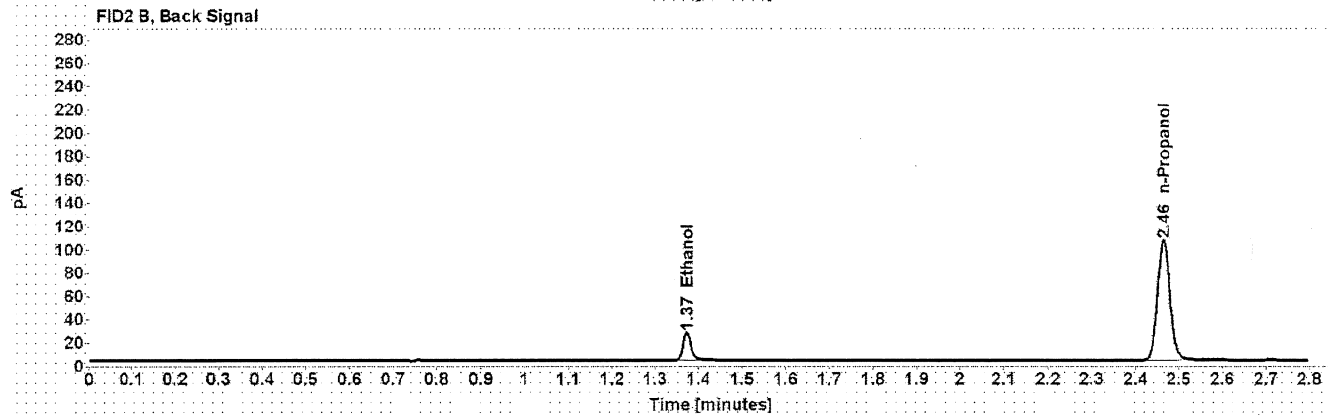
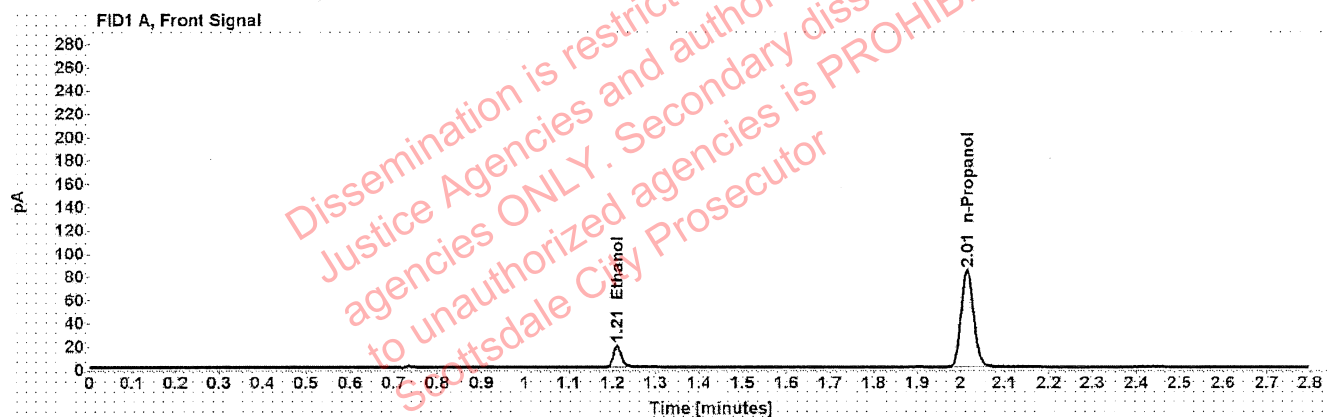


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.211	23.931
n-Propanol	-----	2.015	167.578

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

Compound	Time (min)	Peak Area
Ethanol	1.373	29.636
n-Propanol	2.464	207.530

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/2	Vial: 9
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 11:49:33 AM
Data file: C:\Chem32\1\Data\17Nov21\9.D	Analyst: Abbott JH

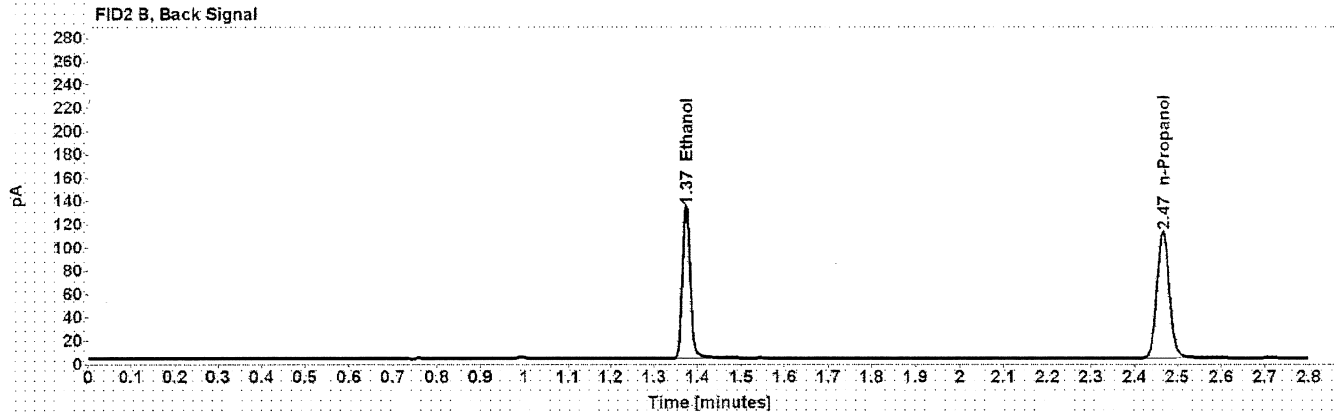
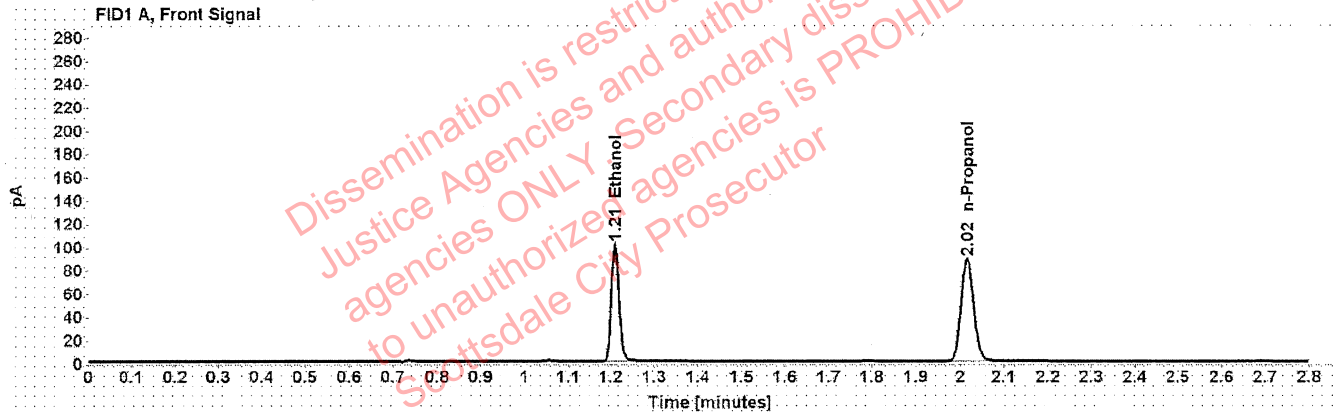


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2021	1.210	128.070
n-Propanol	-----	2.016	175.966

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

Compound	Time (min)	Peak Area
Ethanol	1.374	160.820
n-Propanol	2.466	218.329

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 12:34:03 PM
Data file: C:\Chem32\1\Data\17Nov21\20.D	Analyst: Abbott <i>OA</i>

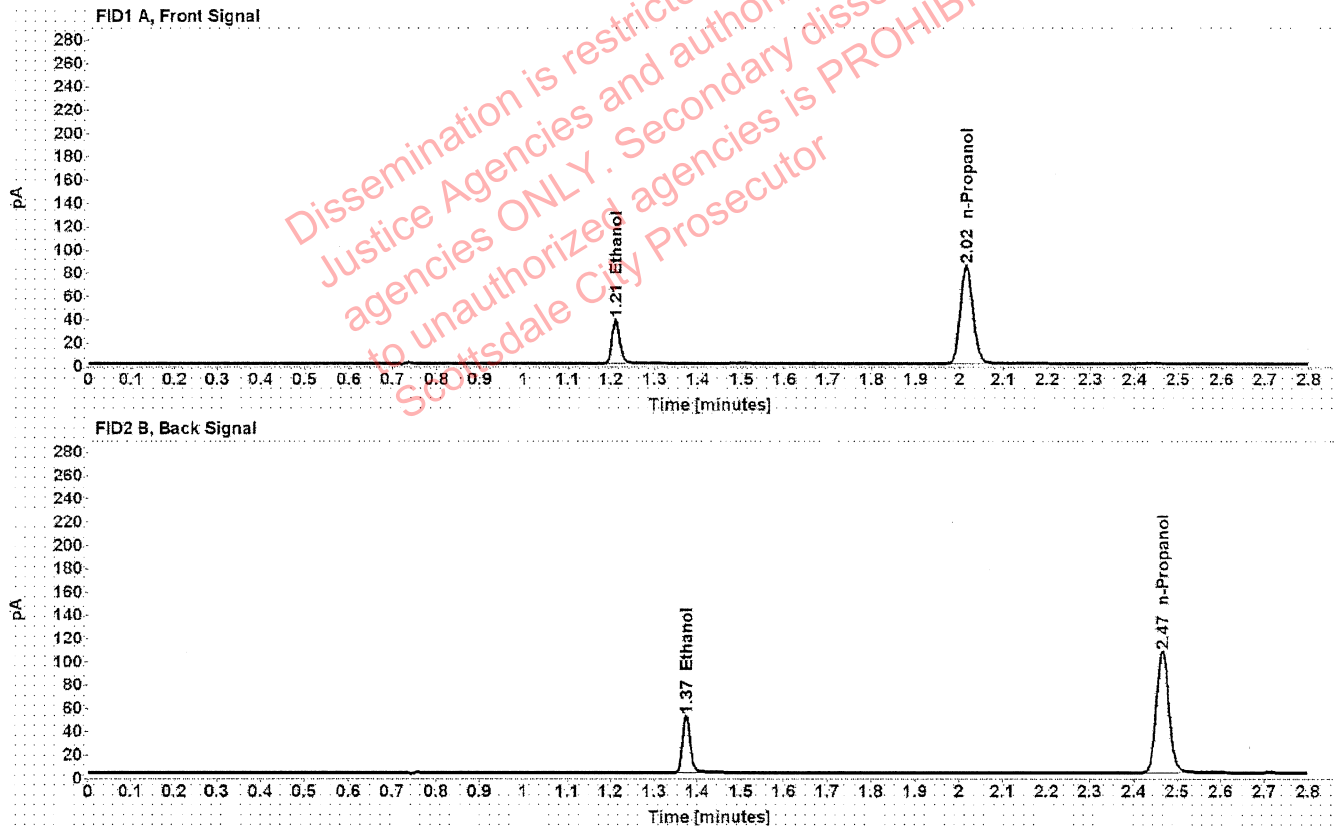


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0801	1.210	48.191
n-Propanol	-----	2.016	168.536

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

Compound	Time (min)	Peak Area
Ethanol	1.374	60.523
n-Propanol	2.466	210.198

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 20012020-B	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 1:18:32 PM
Data file: C:\Chem32\1\Data\17Nov21\31.D	Analyst: Abbott <i>OA</i>

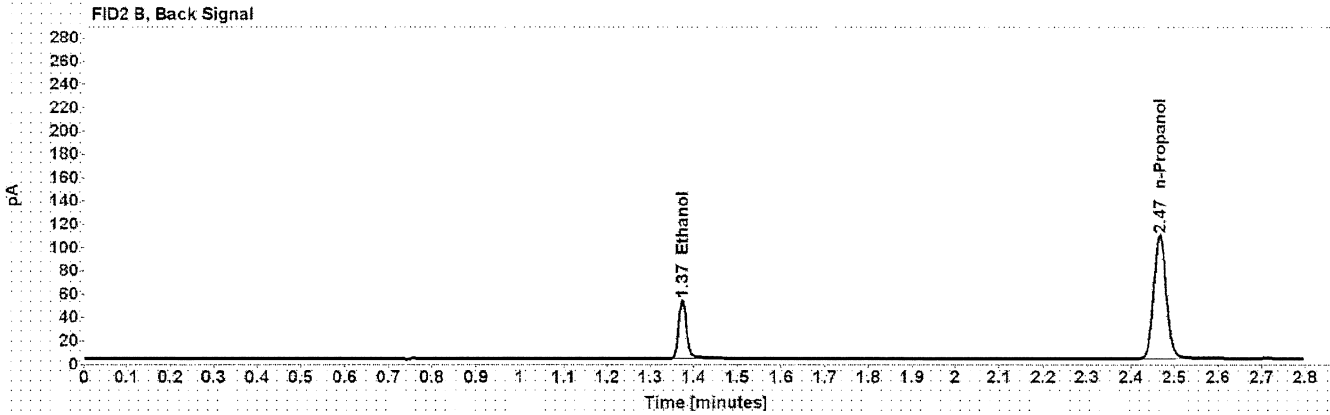
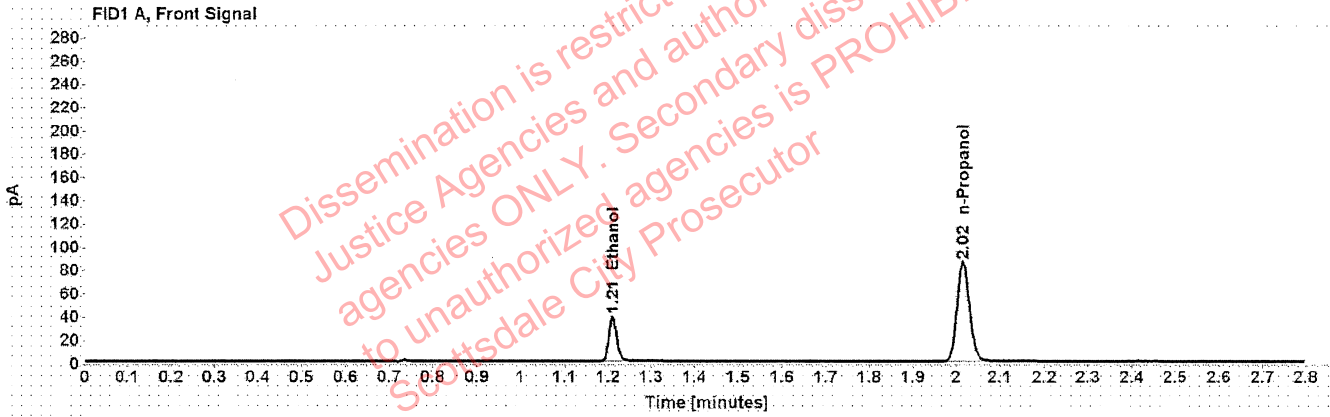


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.211	49.369
n-Propanol	-----	2.016	170.796

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

Compound	Time (min)	Peak Area
Ethanol	1.374	62.158
n-Propanol	2.466	214.323

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	40
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:54:47 PM
Data file:	C:\Chem32\1\Data\17Nov21\40.D	Analyst:	Abbott OL

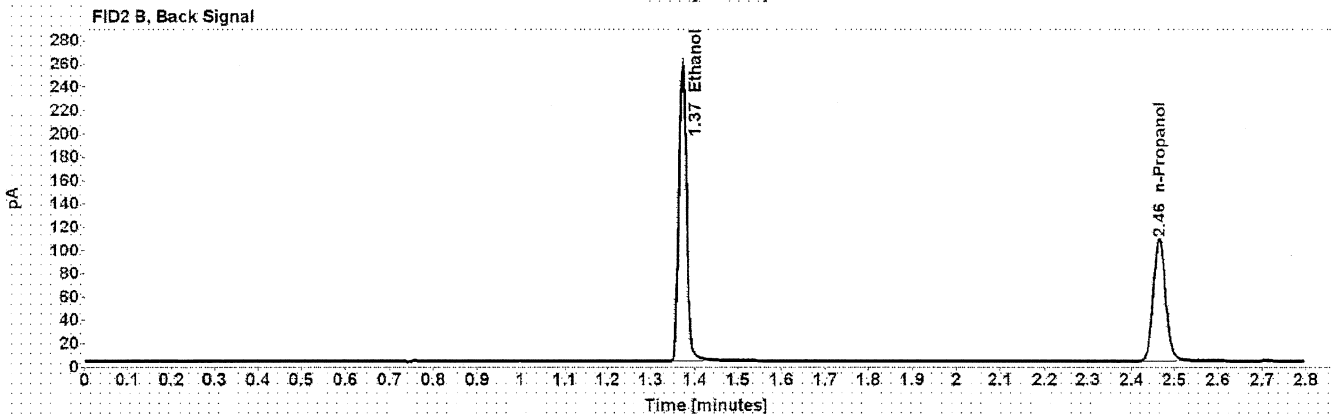
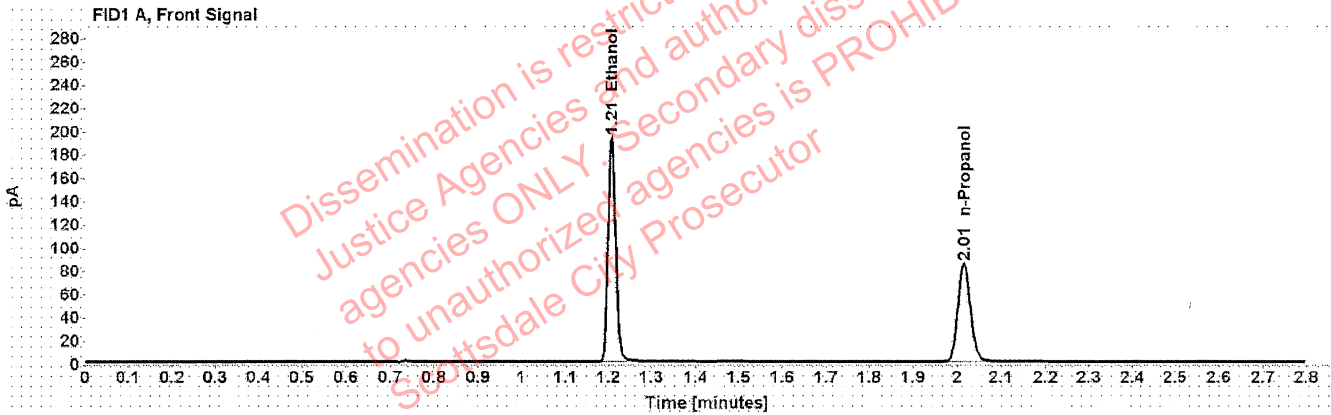


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4002	1.208	244.669
n-Propanol	-----	2.015	169.296

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

Compound	Time (min)	Peak Area
Ethanol	1.372	309.898
n-Propanol	2.465	212.329

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	41
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:58:47 PM
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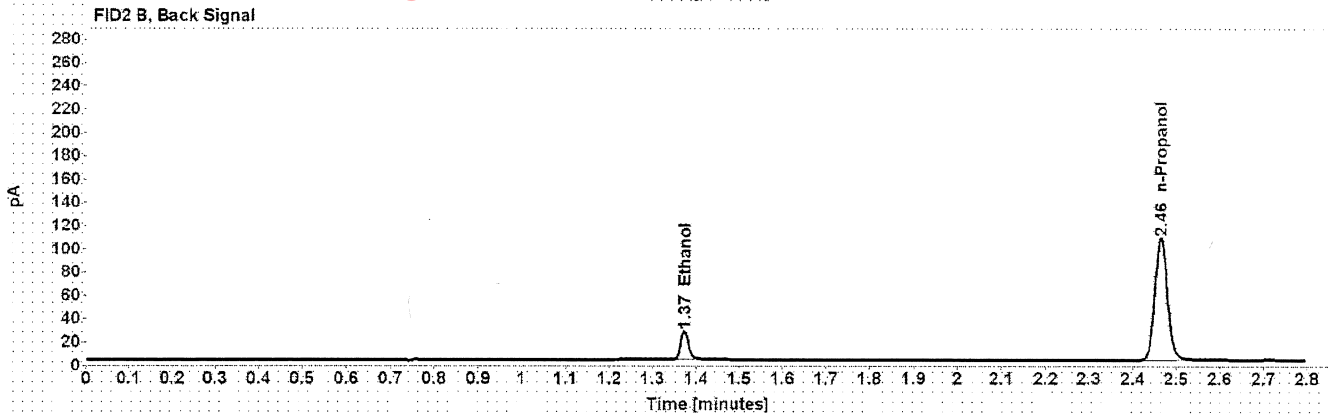
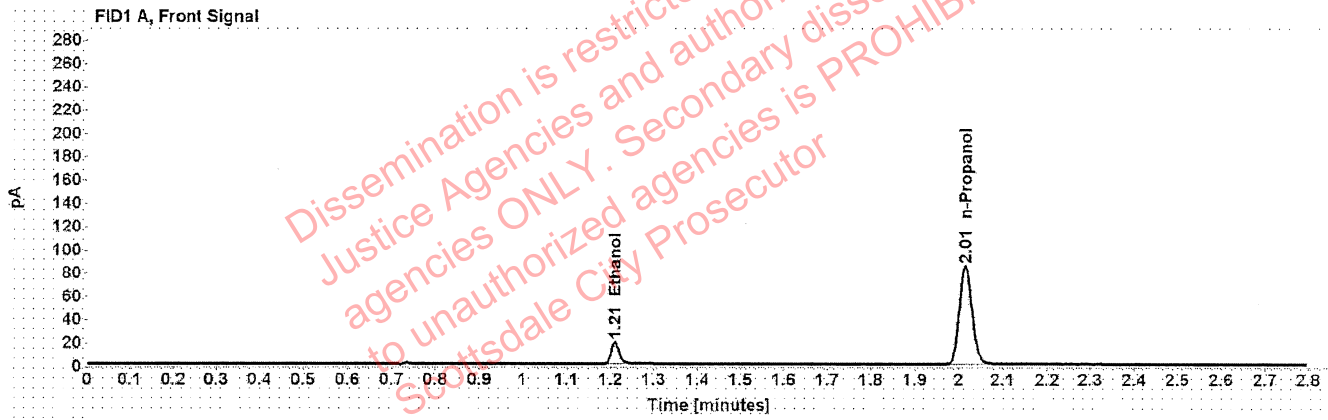


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.211	24.223
n-Propanol	-----	2.015	169.384

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

Compound	Time (min)	Peak Area
Ethanol	1.373	30.559
n-Propanol	2.465	212.489

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4110320133/2	Vial: 42
Description: 0.199	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 2:02:47 PM
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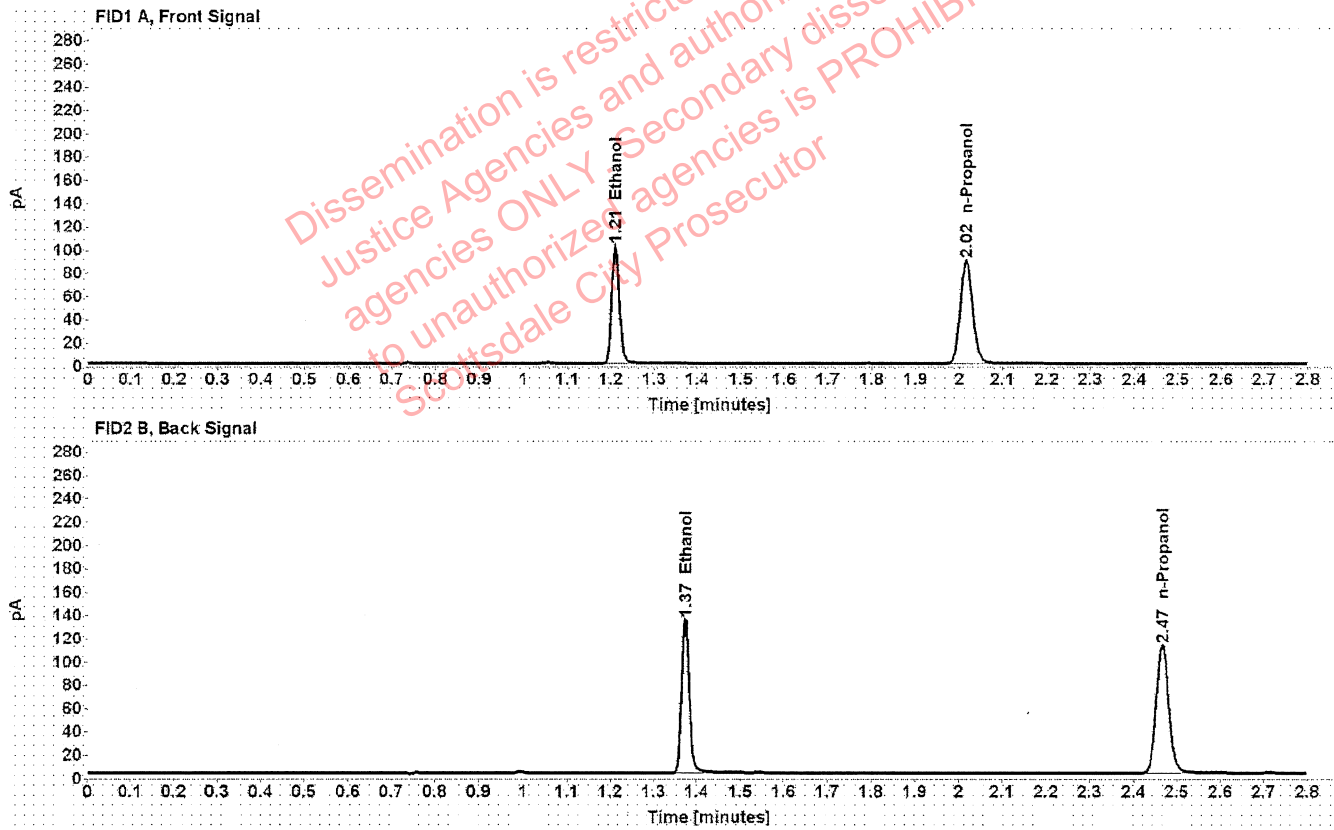


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2020	1.210	129.090
n-Propanol	-----	2.016	177.437

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

Compound	Time (min)	Peak Area
Ethanol	1.374	163.354
n-Propanol	2.467	222.760

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 111020WB	Vial: 43
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 17Nov21
Instrument: US14173023 CN14160045	Injection date: 11/17/2021 2:07:02 PM
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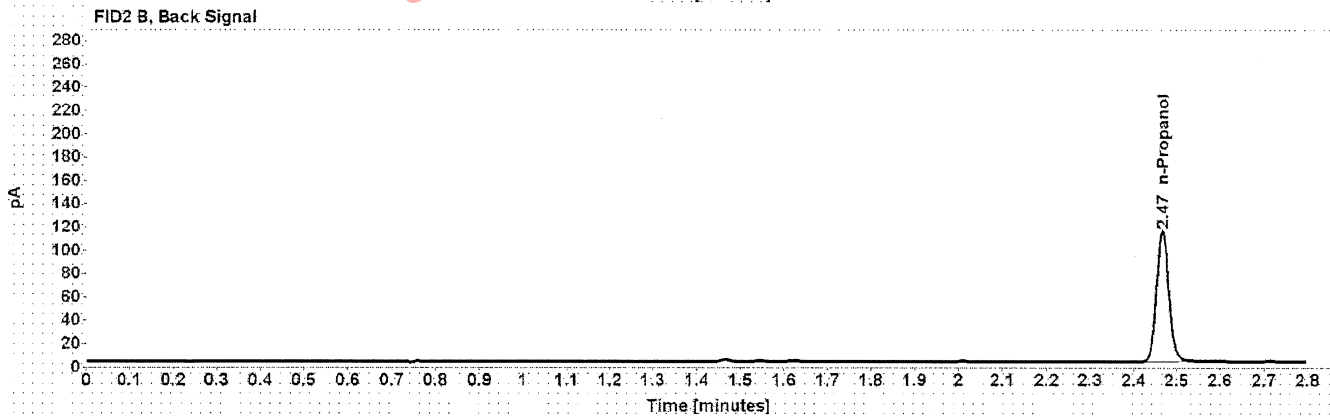
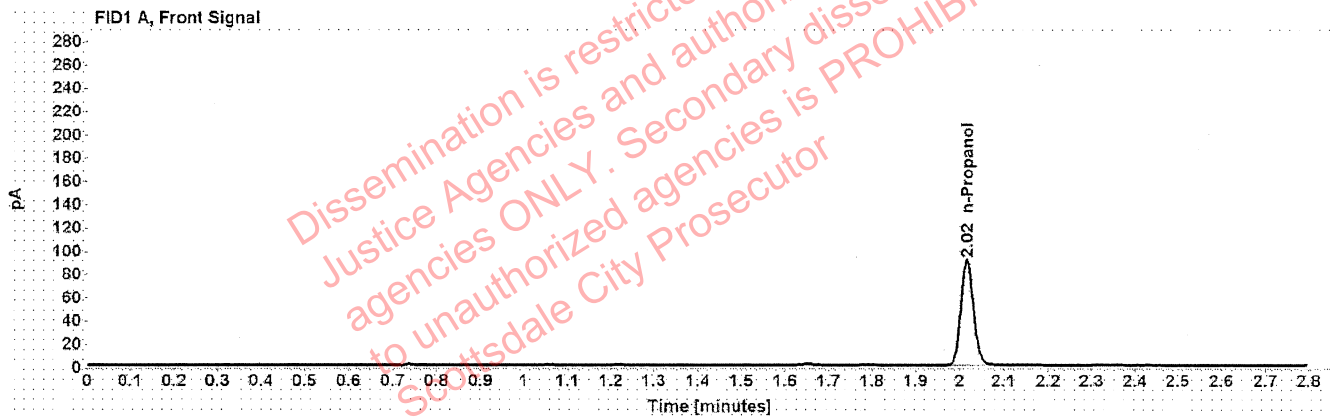


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	180.797

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	227.056

Sequence Summary

Sequence name: 17Nov21 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	100421AQ	Negative	Control		ethanol quant.M
6	050721MIX	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	4110320133/2	0.199	Control		ethanol quant.M
10	1395664		Sample		ethanol quant.M
11	1395664		Sample		ethanol quant.M
12	1395173		Sample		ethanol quant.M
13	1395173		Sample		ethanol quant.M
14	1396276		Sample		ethanol quant.M
15	1396276		Sample		ethanol quant.M
16	1396141		Sample		ethanol quant.M
17	1396141		Sample		ethanol quant.M
18	1396139		Sample		ethanol quant.M
19	1396139		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	1395008		Sample		ethanol quant.M
22	1395008		Sample		ethanol quant.M
23	1395930		Sample		ethanol quant.M
24	1395930		Sample		ethanol quant.M
25	1396409		Sample		ethanol quant.M
26	1396409		Sample		ethanol quant.M
27	1396404		Sample		ethanol quant.M
28	1396404		Sample		ethanol quant.M
29	1396443		Sample		ethanol quant.M
30	1396443		Sample		ethanol quant.M
31	20012020-B	0.080	Control		ethanol quant.M
32	1396599		Sample		ethanol quant.M
33	1396599		Sample		ethanol quant.M
34	1394088		Sample		ethanol quant.M
35	1394088		Sample		ethanol quant.M
36	1381735		Sample		ethanol quant.M
37	1381735		Sample		ethanol quant.M
38	1396711		Sample		ethanol quant.M
39	1396711		Sample		ethanol quant.M
40	11092018-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	4110320133/2	0.199	Control		ethanol quant.M
43	111020WB	Negative	Control		ethanol quant.M

Dissemination 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: 17Nov21

ANALYST: Abbott *ah*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0859	0.0860	0.08595	0.06	0.00005
12 13	0.0000	0.0000	0.00000	0.00	0.00000
14 15	0.1272	0.1280	0.12760	0.31	0.00040
16 17	0.3093	0.3072	0.30825	0.34	0.00105
18 19	0.1551	0.1533	0.15420	0.58	0.00090
21 22	0.0648	0.0661	0.06545	0.99	0.00065
23 24	0.2668	0.2680	0.26740	0.22	0.00060
25 26	0.2110	0.2104	0.21070	0.14	0.00030
27 28	0.1541	0.1535	0.15380	0.20	0.00030
29 30	0.2802	0.2830	0.28160	0.50	0.00140
32 33	0.2862	0.2859	0.28605	0.05	0.00015
34 35	0.1394	0.1401	0.13975	0.25	0.00035
36 37	0.1241	0.1243	0.12420	0.08	0.00010
38 39	0.2557	0.2582	0.25695	0.49	0.00125

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

**Scottsdale Forensic Lab
Blood Alcohol Pipetting Log**

ANALYST: Abbott *[Signature]*

SEQUENCE: 17Nov21

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1395664	1395664	1395664	Yes
Vials 12 and 13	1395173	1395173	1395173	Yes
Vials 14 and 15	1396276	1396276	1396276	Yes
Vials 16 and 17	1396141	1396141	1396141	Yes
Vials 18 and 19	1396139	1396139	1396139	Yes
Vials 21 and 22	1395008	1395008	1395008	Yes
Vials 23 and 24	1395930	1395930	1395930	Yes
Vials 25 and 26	1396409	1396409	1396409	Yes
Vials 27 and 28	1396404	1396404	1396404	Yes
Vials 29 and 30	1396443	1396443	1396443	Yes
Vials 32 and 33	1396599	1396599	1396599	Yes
Vials 34 and 35	1394088	1394088	1394088	Yes
Vials 36 and 37	1381735	1381735	1381735	Yes
Vials 38 and 39	1396711	1396711	1396711	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395664	Vial:	10
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 11:53:32 AM
Data file:	C:\Chem32\1\Data\17Nov21\10.D	Analyst:	Abbott

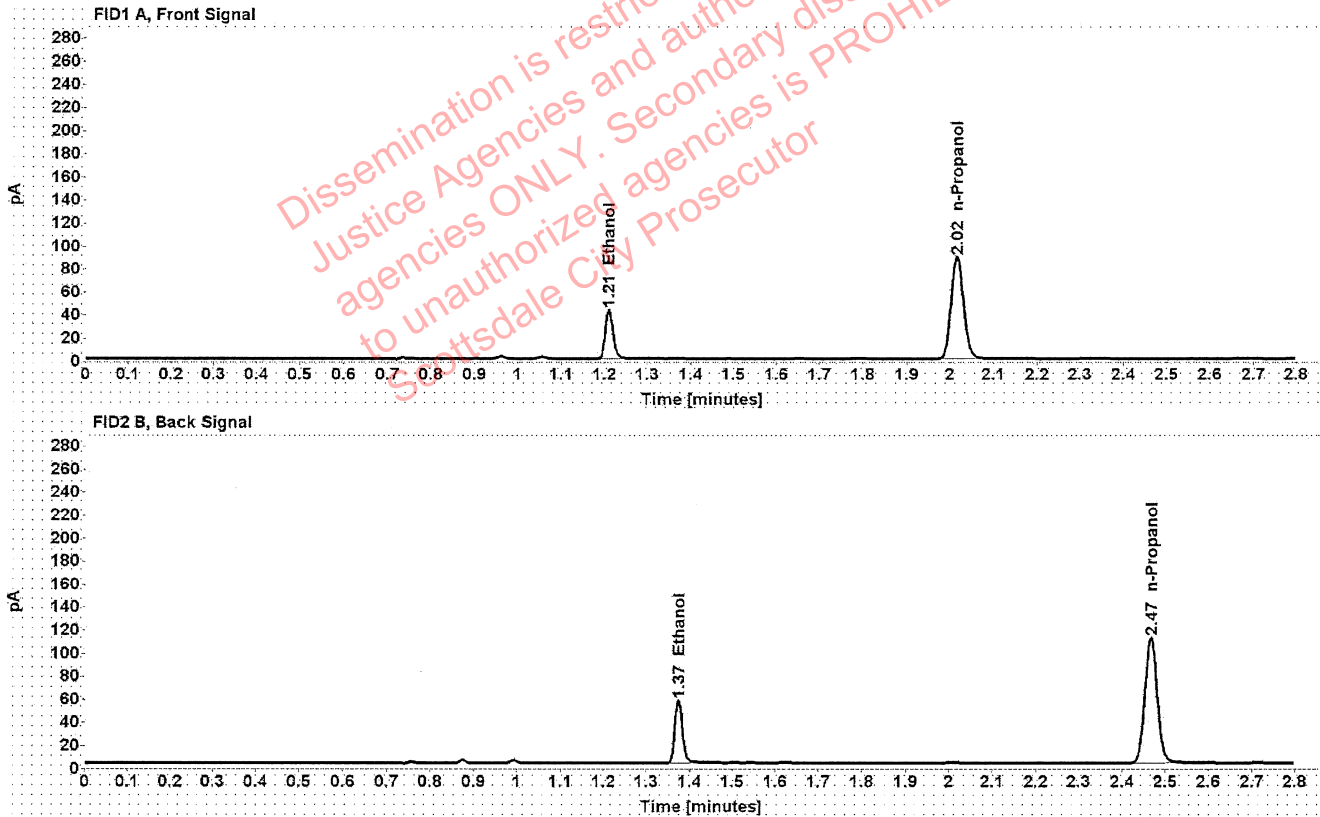


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0859	1.211	54.227
n-Propanol	-----	2.016	176.616

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

Compound	Time (min)	Peak Area
Ethanol	1.374	67.254
n-Propanol	2.466	219.790

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395664	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 11:57:32 AM
Data file:	C:\Chem32\1\Data\17Nov21\11.D	Analyst:	Abbott

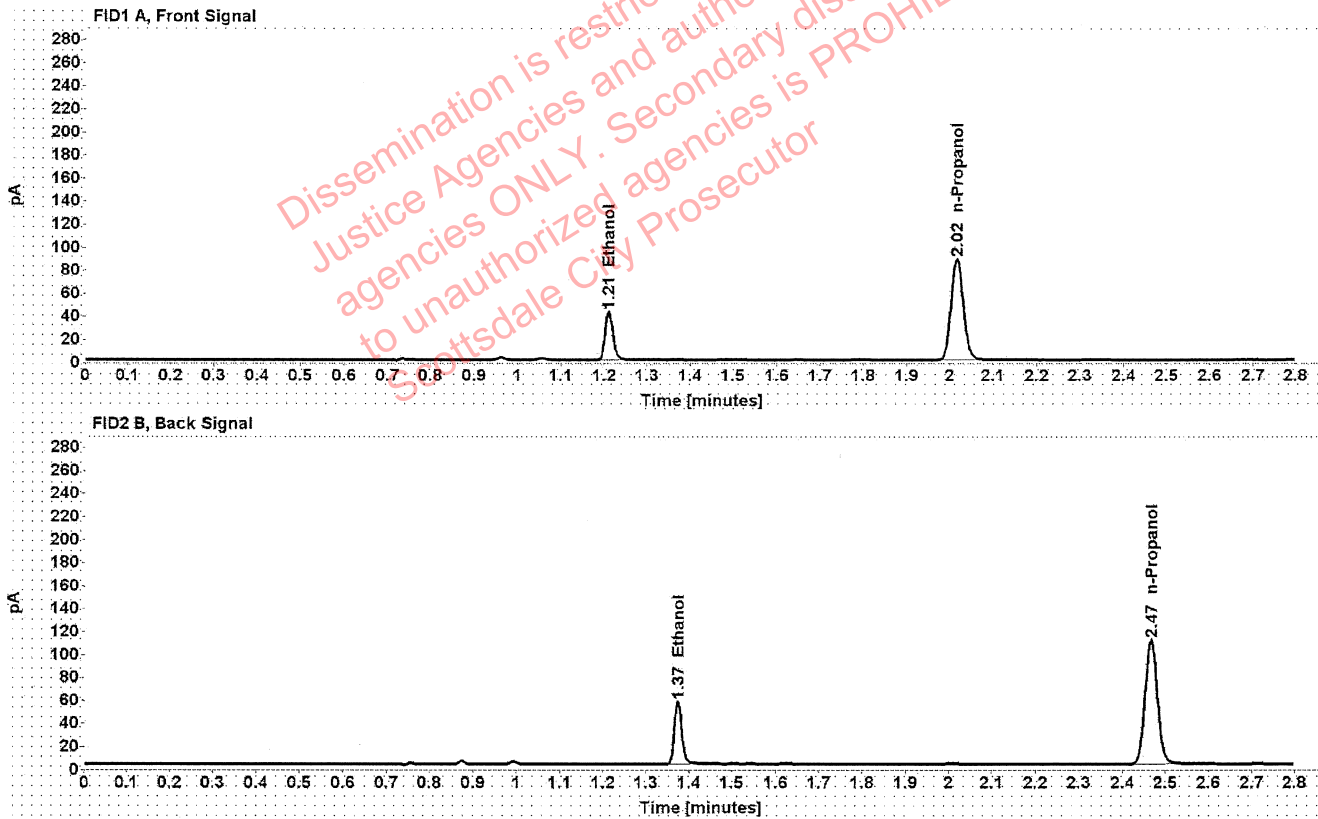


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0860	1.211	53.752
n-Propanol	-----	2.016	174.883

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

Compound	Time (min)	Peak Area
Ethanol	1.374	66.864
n-Propanol	2.467	217.765

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395173	Vial:	12
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:01:32 PM
Data file:	C:\Chem32\1\Data\17Nov21\12.D	Analyst:	Abbott

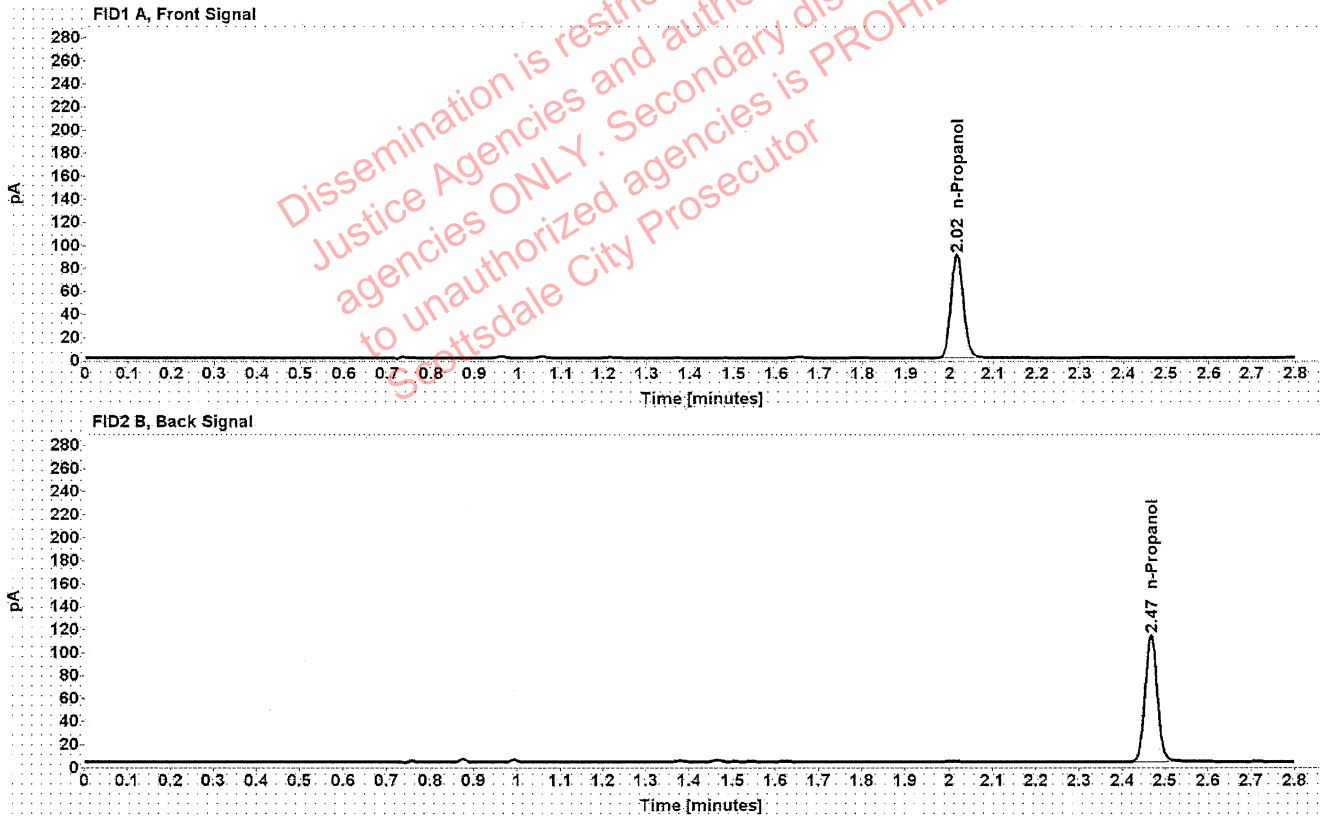


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	178.535

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	222.850

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395173	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:05:47 PM
Data file:	C:\Chem32\1\Data\17Nov21\13.D	Analyst:	Abbott

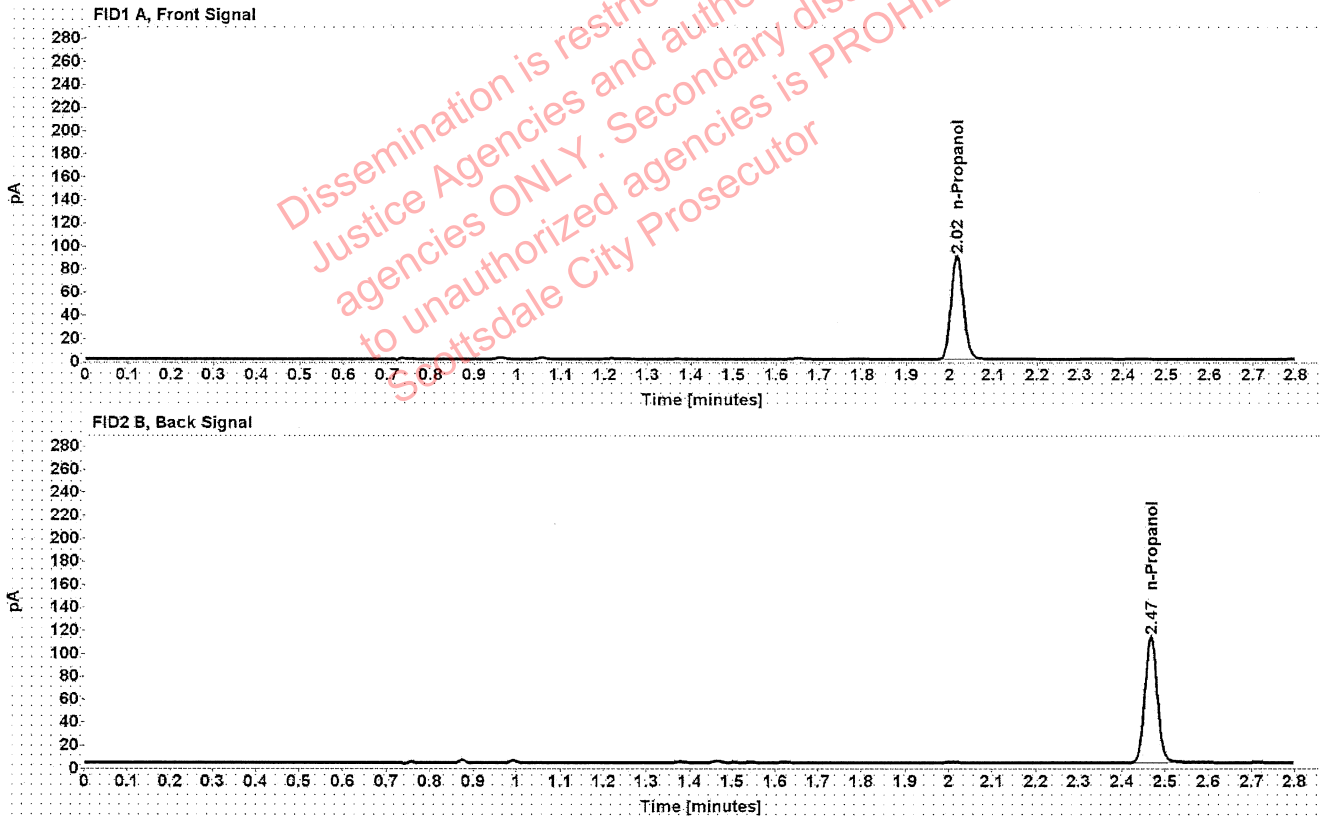


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	177.726

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	221.862

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396276	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:09:47 PM
Data file:	C:\Chem32\1\Data\17Nov21\14.D	Analyst:	Abbott

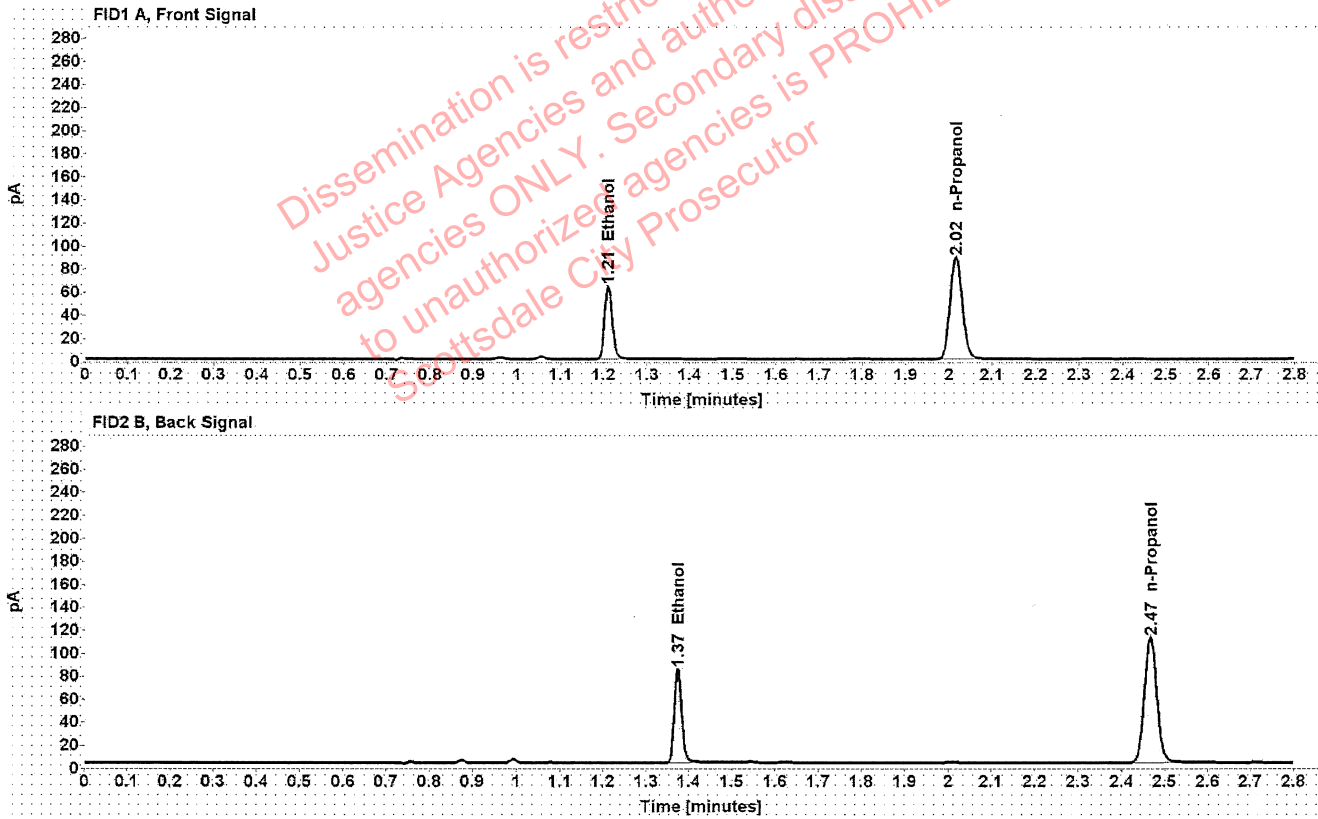


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1272	1.210	80.318
n-Propanol	-----	2.016	175.848

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

Compound	Time (min)	Peak Area
Ethanol	1.374	100.264
n-Propanol	2.467	219.156

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396276	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:13:46 PM
Data file:	C:\Chem32\1\Data\17Nov21\15.D	Analyst:	Abbott

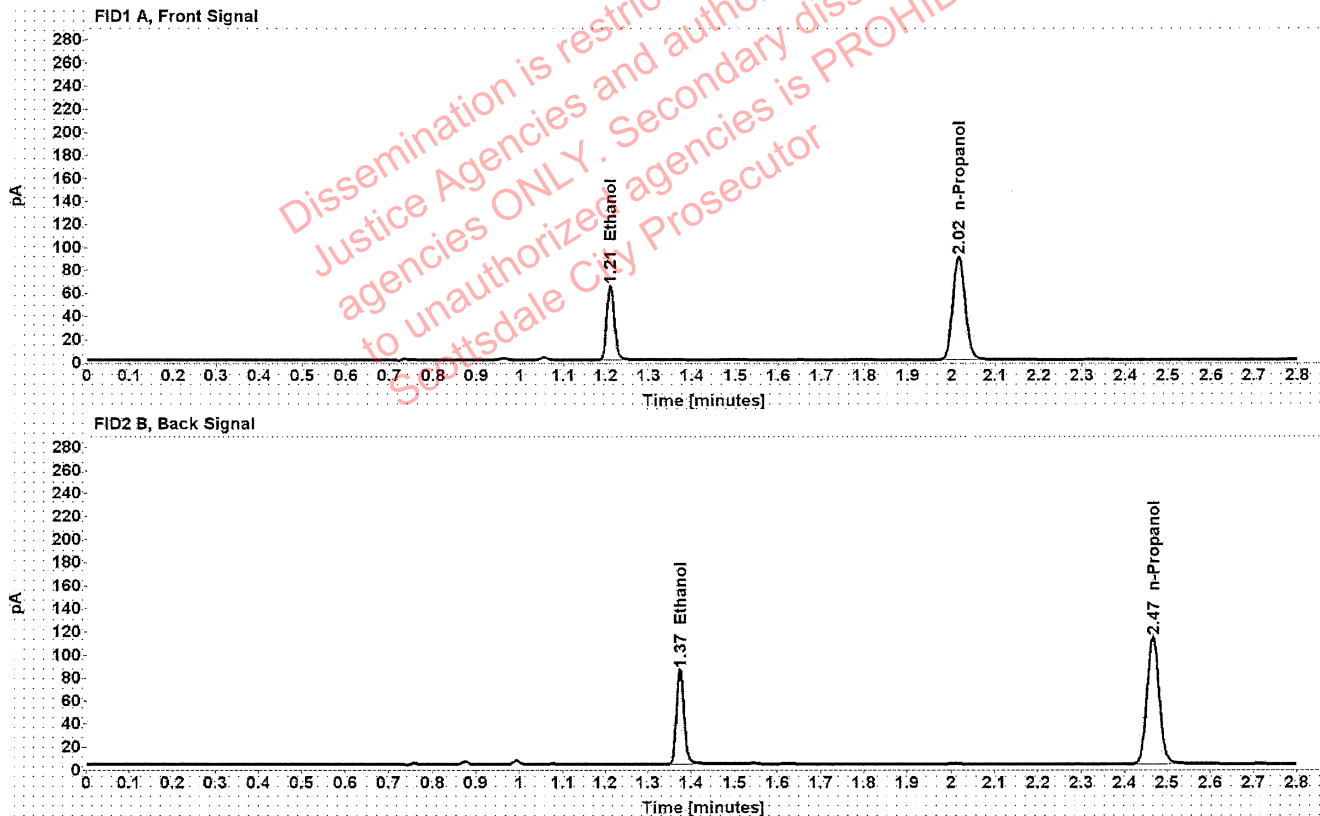


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1280	1.210	81.853
n-Propanol	-----	2.016	178.155

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

Compound	Time (min)	Peak Area
Ethanol	1.374	102.088
n-Propanol	2.467	222.284

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396141	Vial:	16
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:17:48 PM
Data file:	C:\Chem32\1\Data\17Nov21\16.D	Analyst:	Abbott

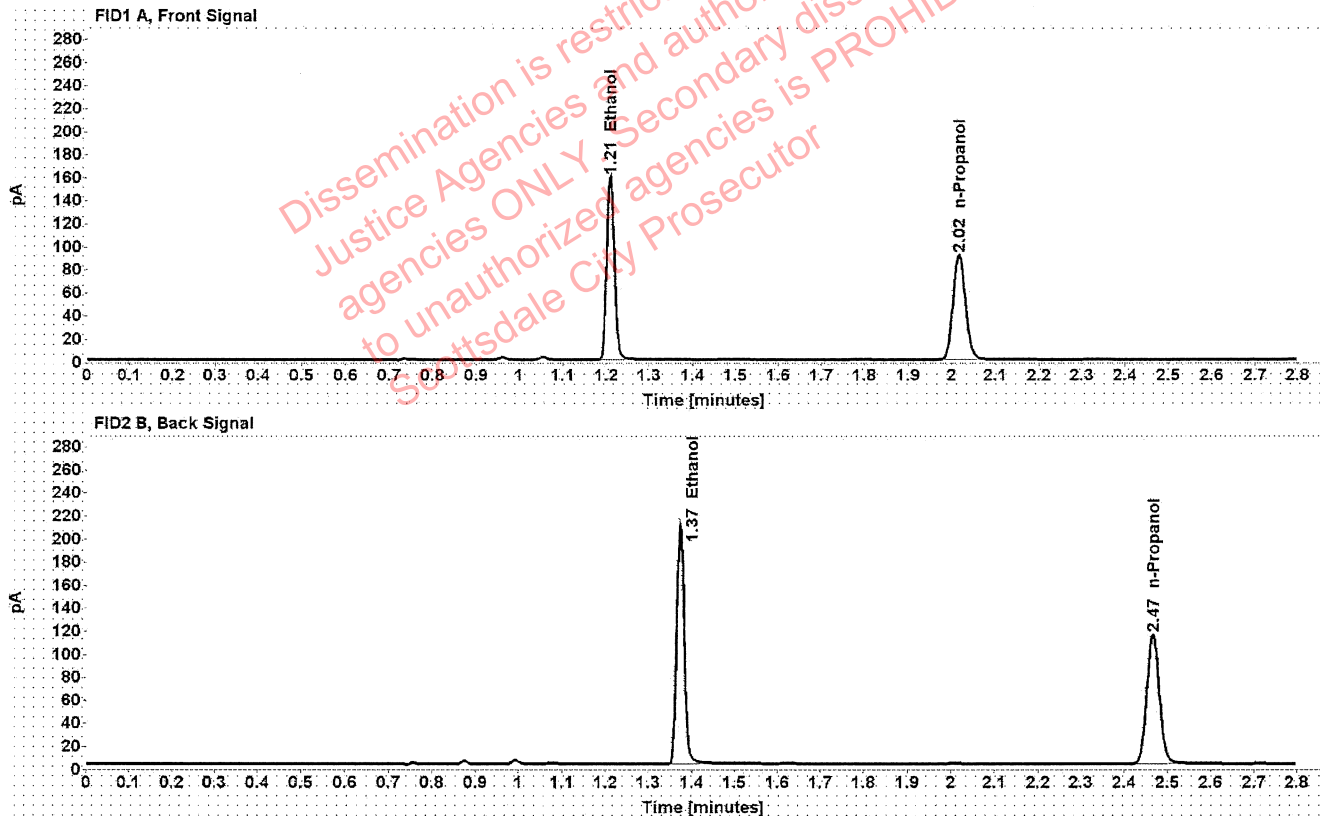


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3093	1.210	202.102
n-Propanol	-----	2.016	181.108

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

Compound	Time (min)	Peak Area
Ethanol	1.374	253.906
n-Propanol	2.467	225.761

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396141	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:21:49 PM
Data file:	C:\Chem32\1\Data\17Nov21\17.D	Analyst:	Abbott

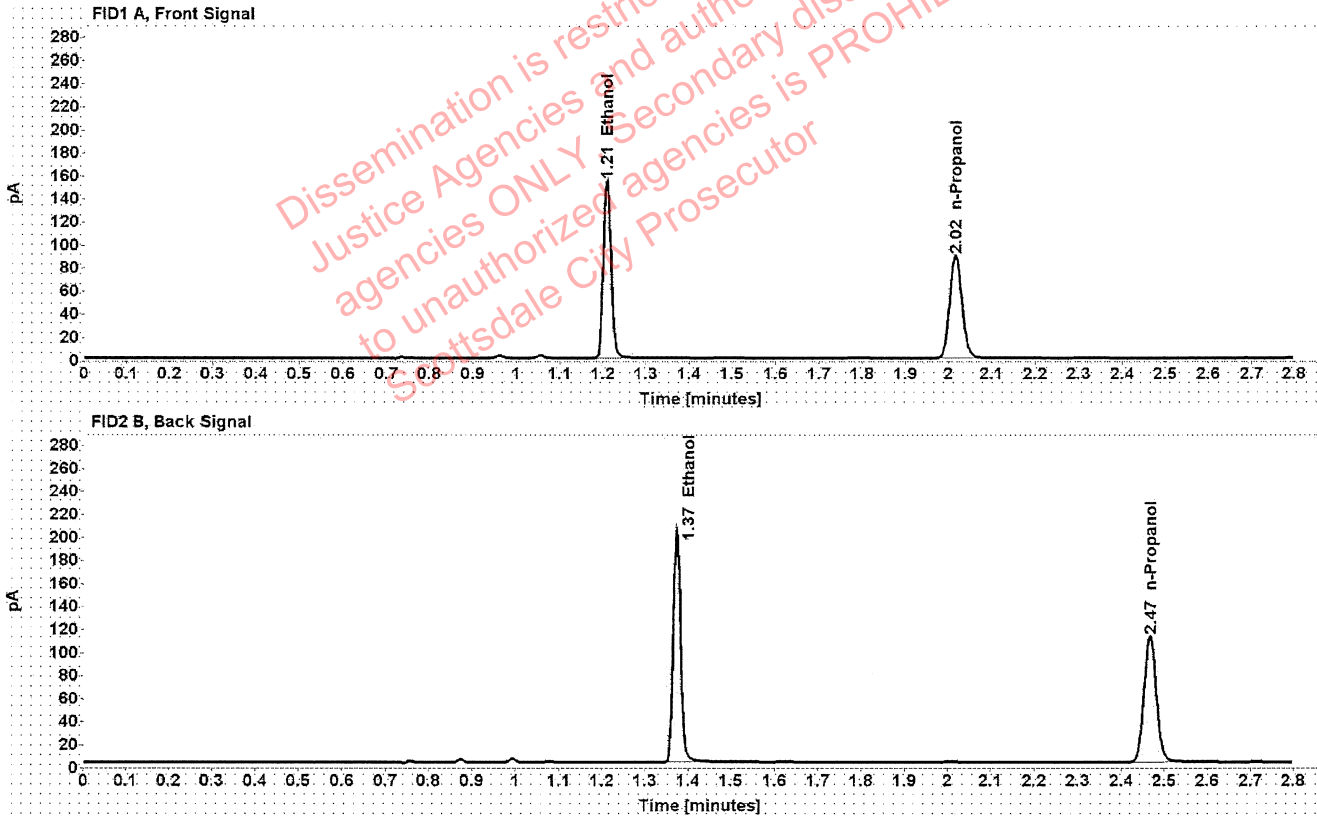


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3072	1.209	195.732
n-Propanol	-----	2.016	176.603

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

Compound	Time (min)	Peak Area
Ethanol	1.374	246.159
n-Propanol	2.466	220.341

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396139	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:25:48 PM
Data file:	C:\Chem32\1\Data\17Nov21\18.D	Analyst:	Abbott

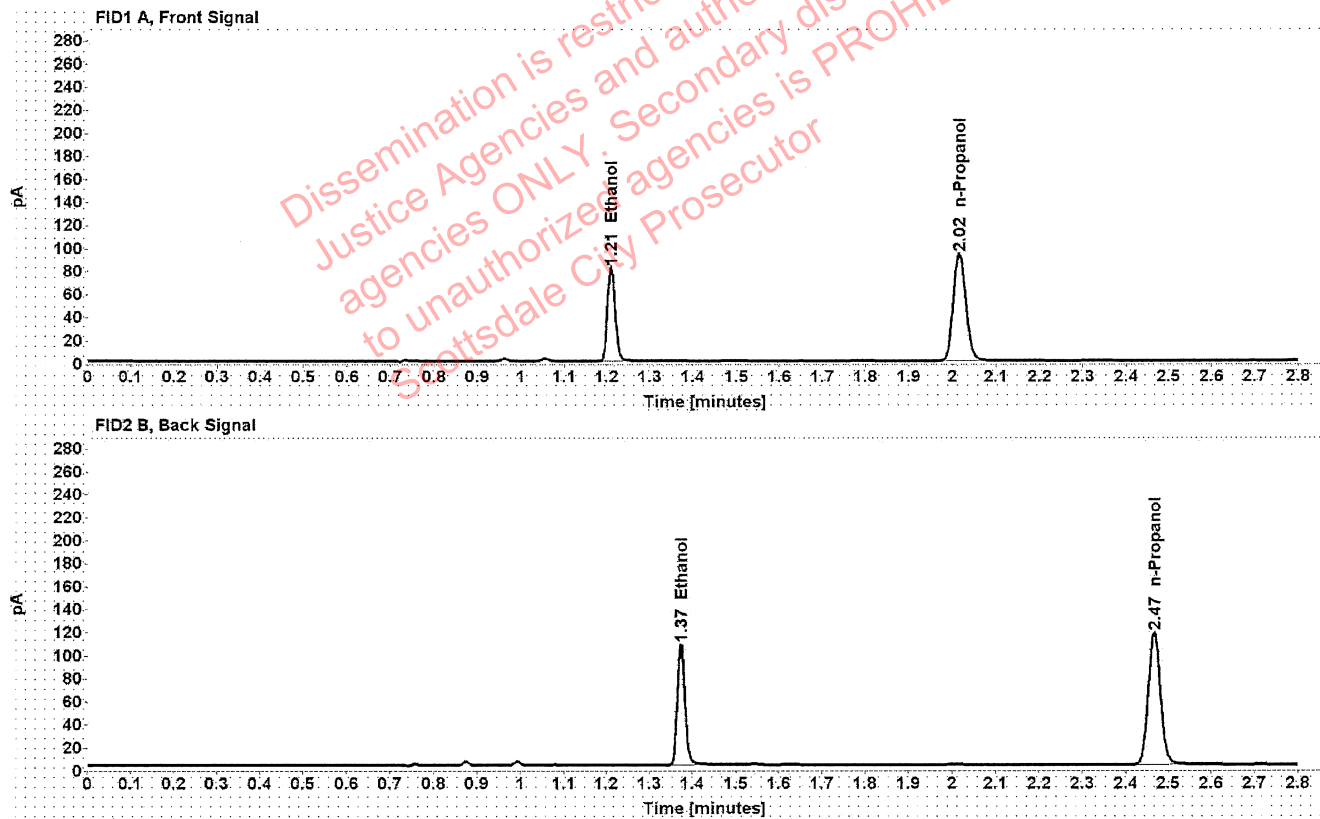


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1551	1.210	103.007
n-Propanol	-----	2.016	184.713

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

Compound	Time (min)	Peak Area
Ethanol	1.374	129.101
n-Propanol	2.466	231.059

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396139	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:30:02 PM
Data file:	C:\Chem32\1\Data\17Nov21\19.D	Analyst:	Abbott

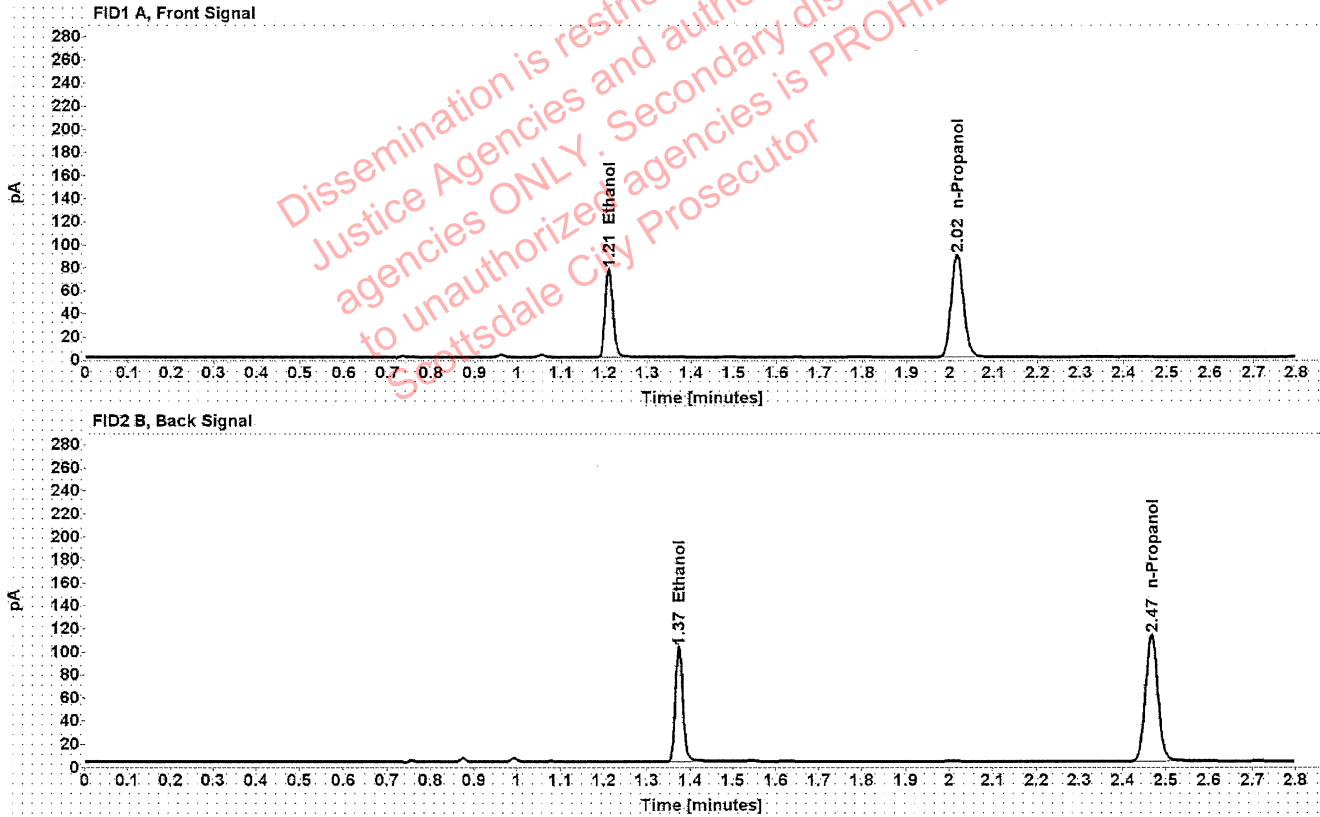


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1533	1.210	97.677
n-Propanol	-----	2.016	177.252

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

Compound	Time (min)	Peak Area
Ethanol	1.374	122.242
n-Propanol	2.466	221.433

[REDACTED]: Abbott, Lori - (17-Nov-2021)

Case: [REDACTED] User: LAbbott 11/17/2021

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395008	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:38:01 PM
Data file:	C:\Chem32\1\Data\17Nov21\21.D	Analyst:	Abbott

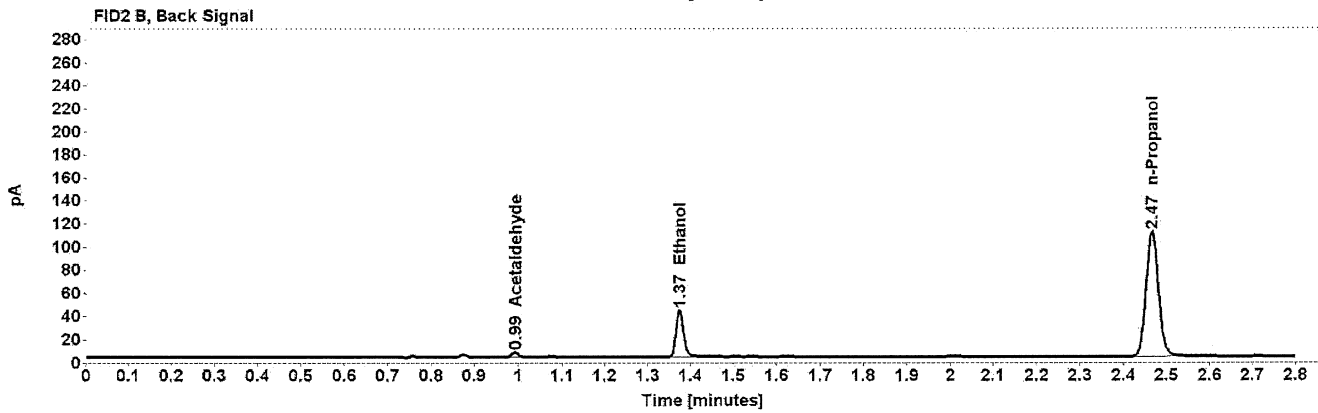
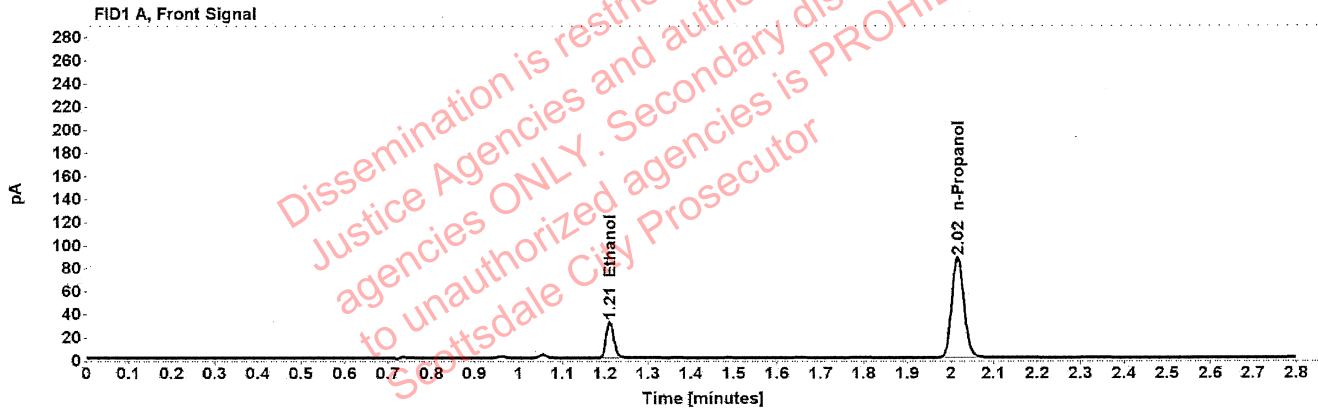


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0648	1.211	40.103
n-Propanol	-----	2.016	173.853

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	4.067
Ethanol	1.374	50.846
n-Propanol	2.466	217.424

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395008	Vial:	22
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:42:02 PM
Data file:	C:\Chem32\1\Data\17Nov21\22.D	Analyst:	Abbott

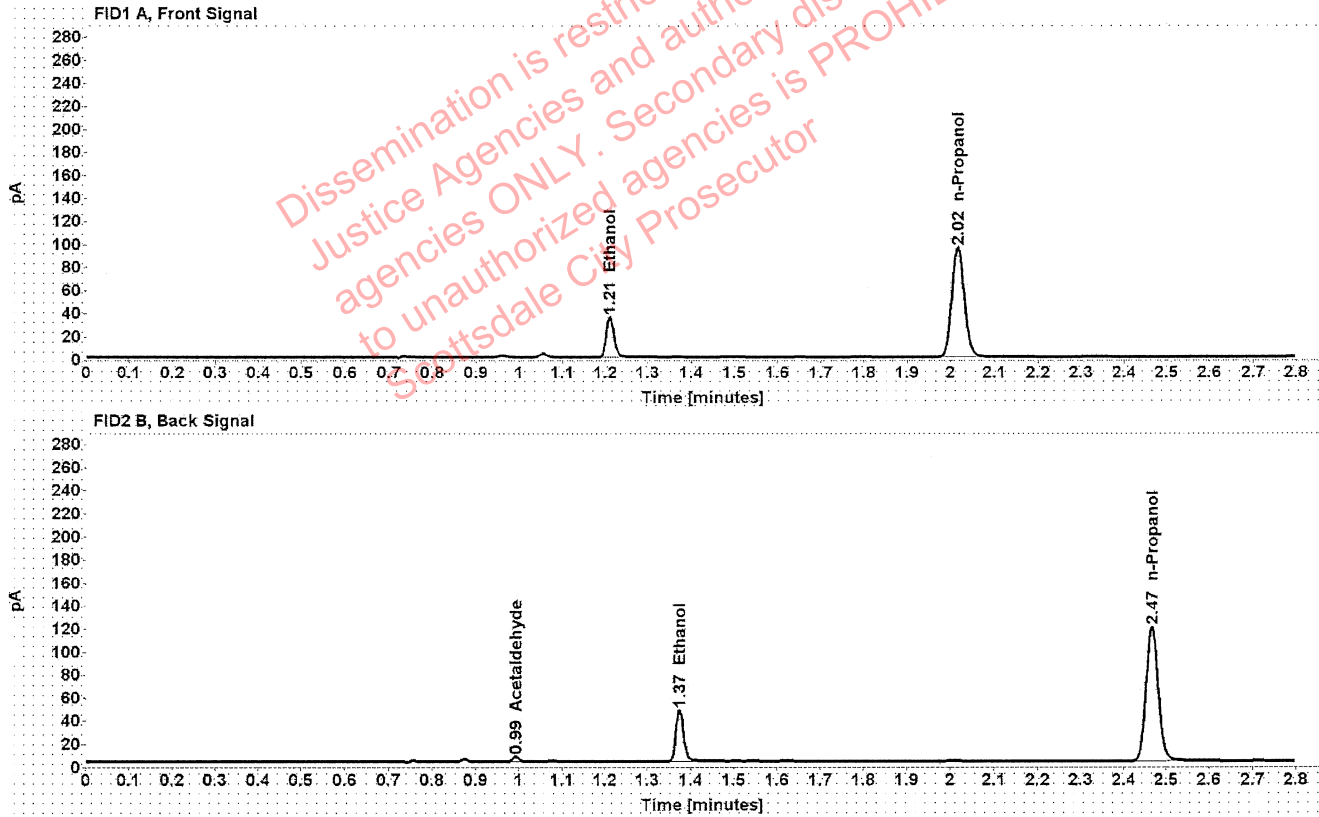


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0661	1.211	44.397
n-Propanol	-----	2.016	188.547

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.194
Ethanol	1.375	56.172
n-Propanol	2.467	235.689

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395930	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:46:02 PM
Data file:	C:\Chem32\1\Data\17Nov21\23.D	Analyst:	Abbott

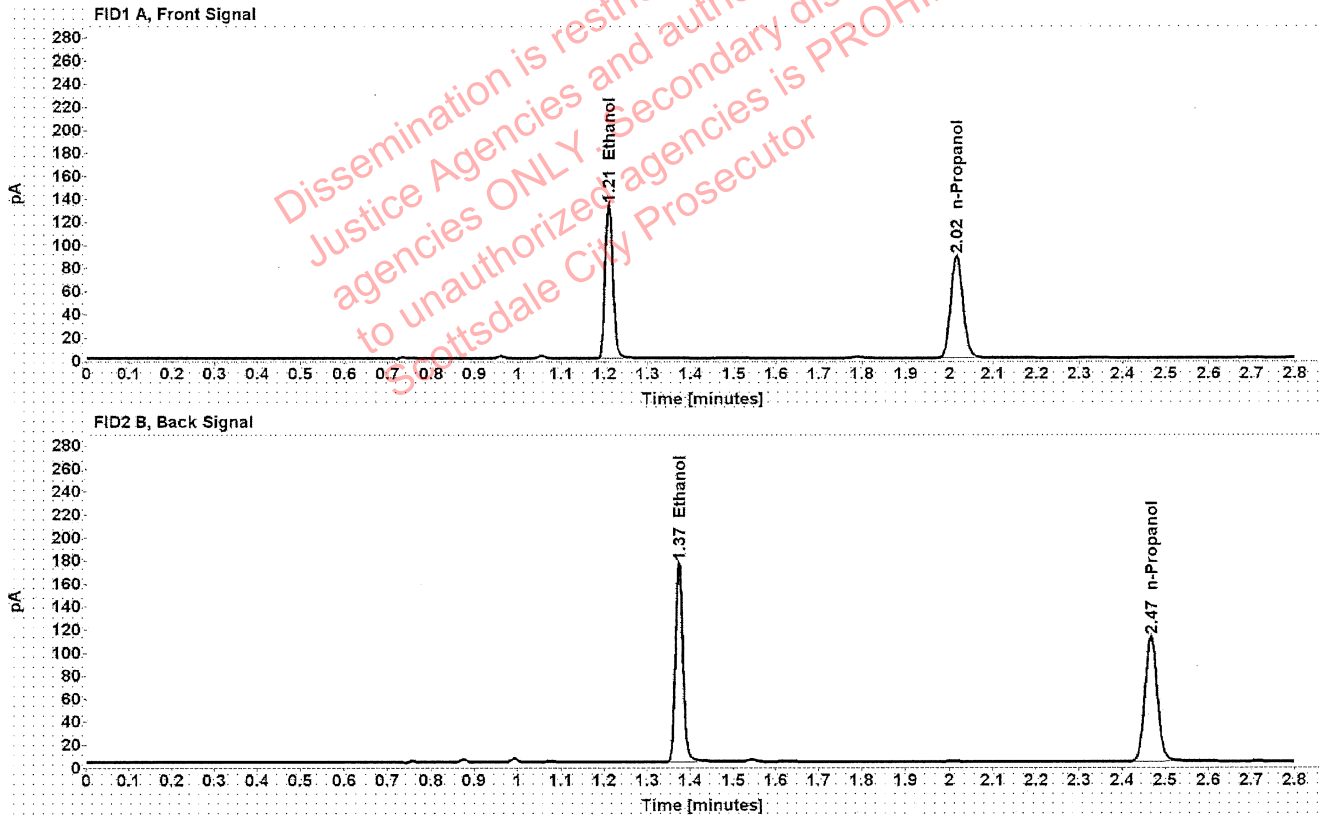


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2668	1.210	169.178
n-Propanol	-----	2.016	175.858

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

Compound	Time (min)	Peak Area
Ethanol	1.374	212.849
n-Propanol	2.467	219.496

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1395930	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:50:03 PM
Data file:	C:\Chem32\1\Data\17Nov21\24.D	Analyst:	Abbott

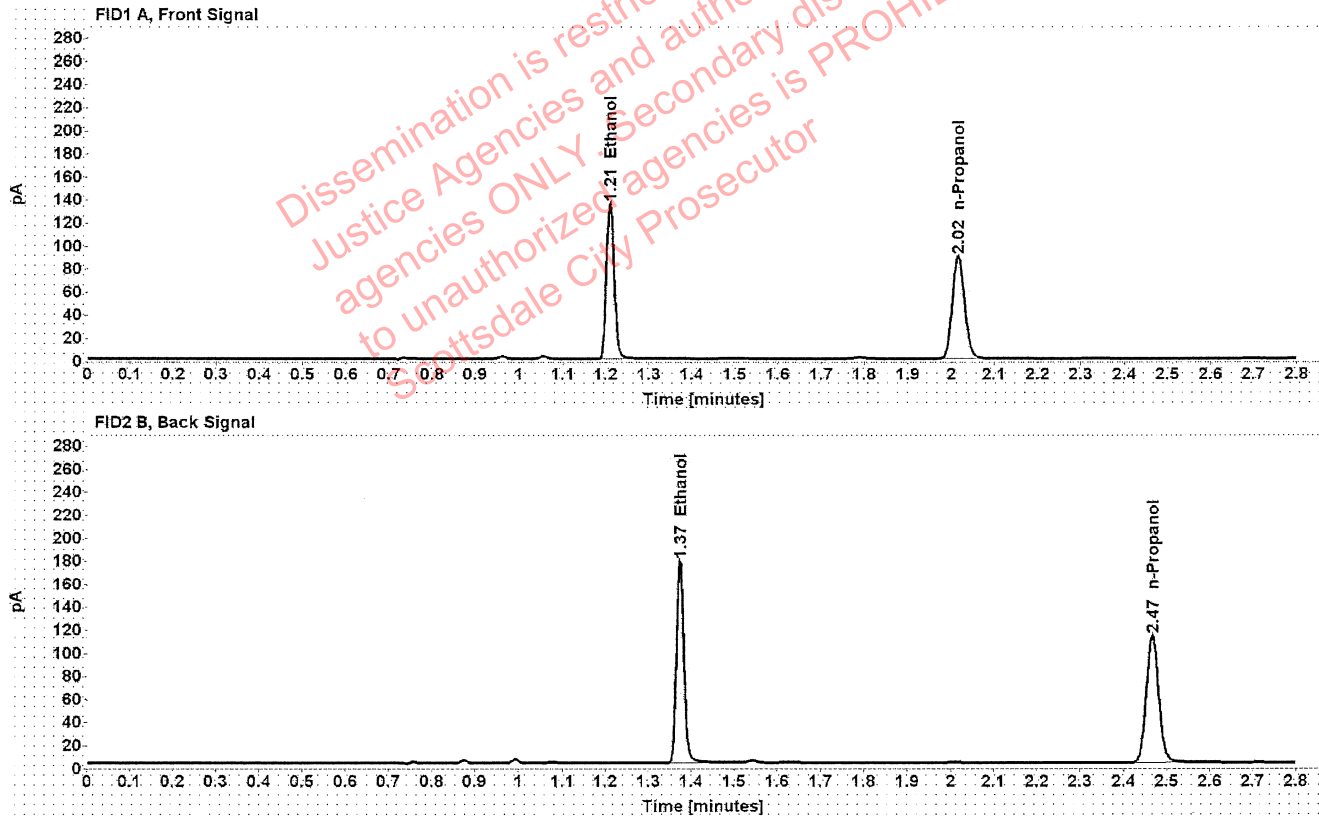


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2680	1.210	171.751
n-Propanol	-----	2.016	177.720

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

Compound	Time (min)	Peak Area
Ethanol	1.374	217.485
n-Propanol	2.467	221.843

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396409	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:54:18 PM
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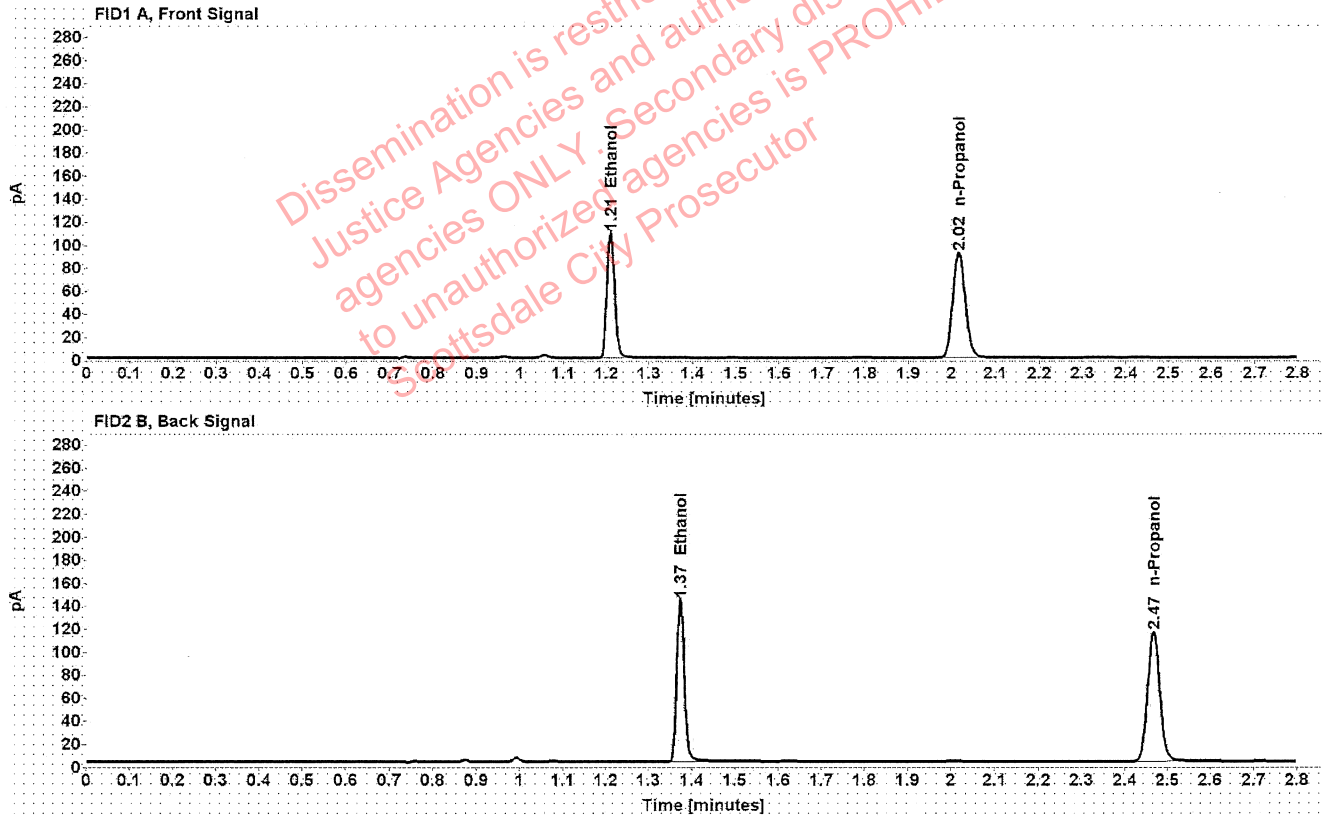


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2110	1.210	138.271
n-Propanol	-----	2.016	181.931

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

Compound	Time (min)	Peak Area
Ethanol	1.374	174.937
n-Propanol	2.467	227.090

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396409	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 12:58:17 PM
Data file:	C:\Chem32\1\Data\17Nov21\26.D	Analyst:	Abbott

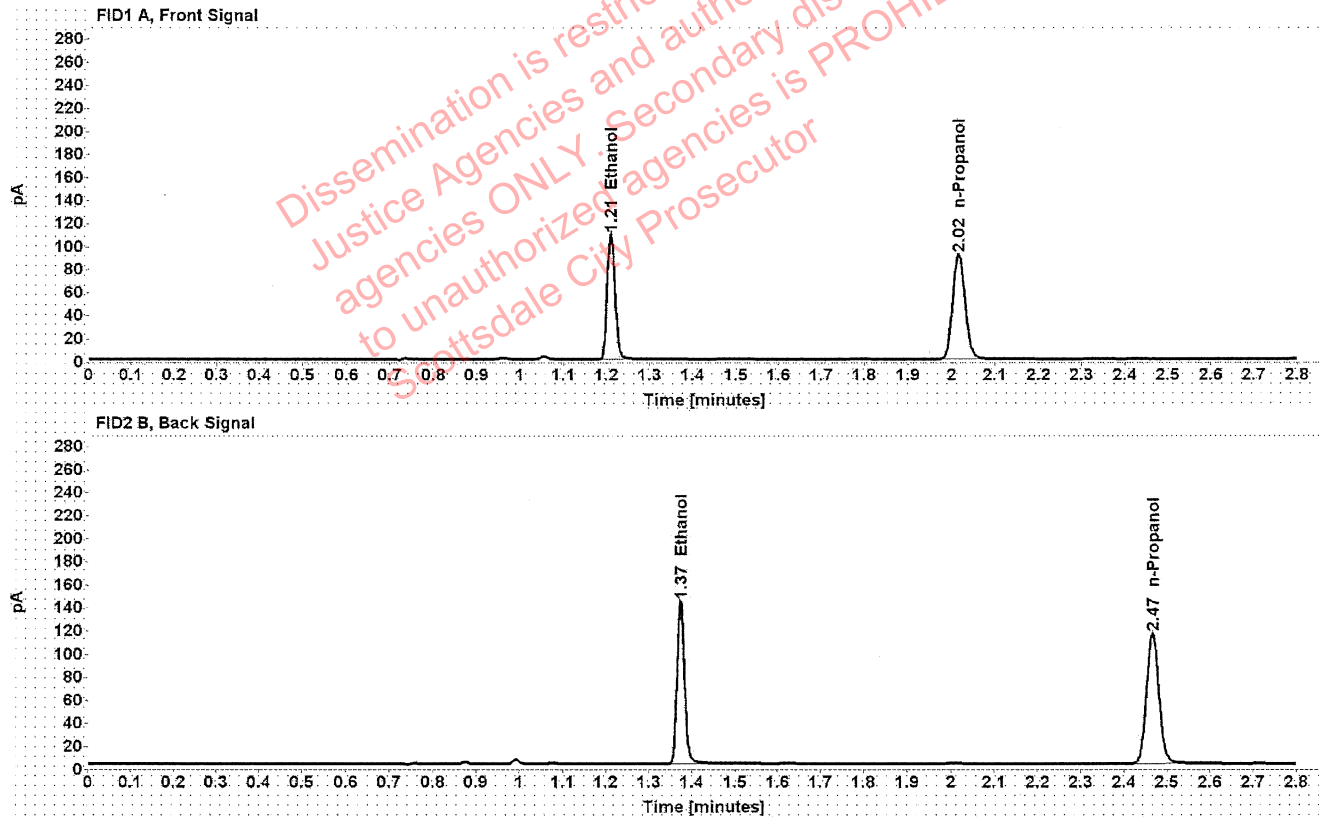


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2104	1.210	138.077
n-Propanol	-----	2.016	182.215

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

Compound	Time (min)	Peak Area
Ethanol	1.374	175.268
n-Propanol	2.467	227.476

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396404	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:02:17 PM
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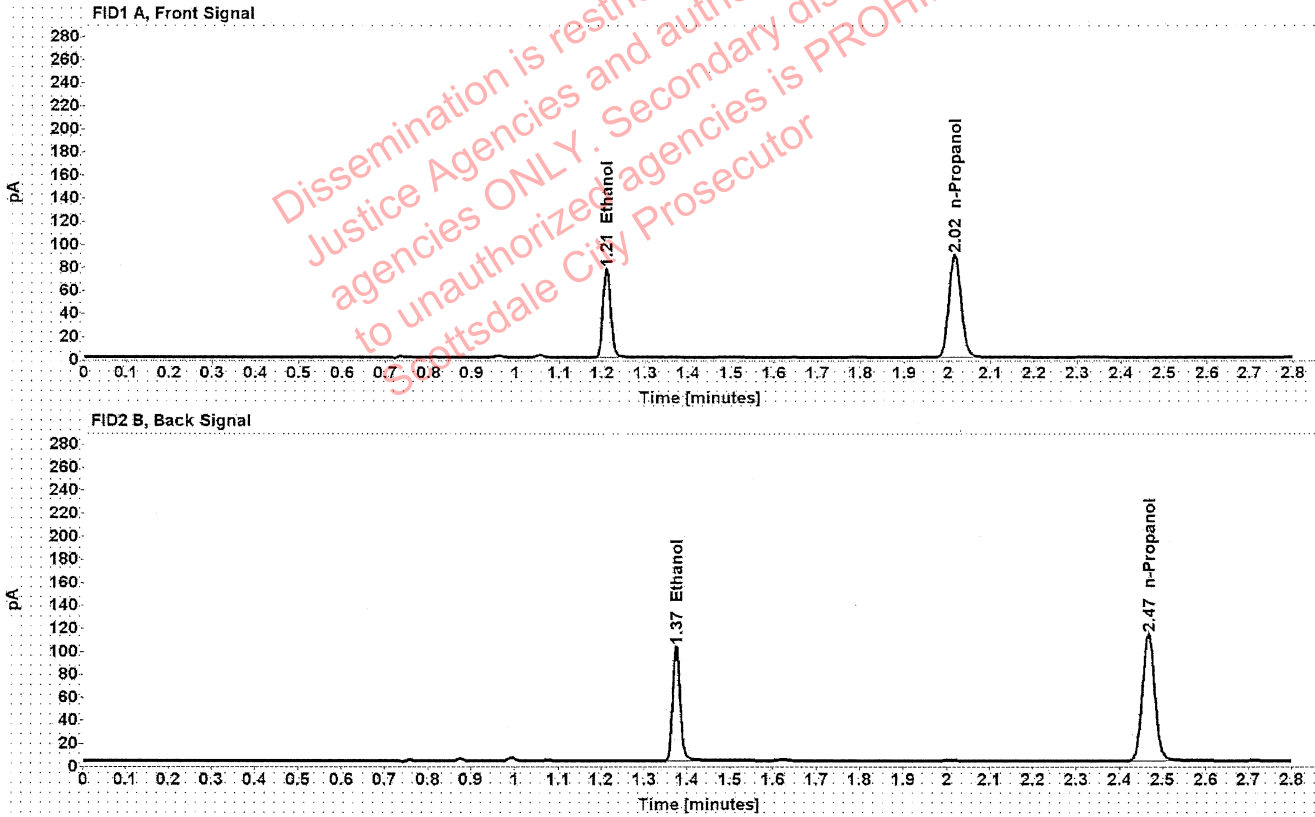


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1541	1.210	98.095
n-Propanol	-----	2.016	177.102

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

Compound	Time (min)	Peak Area
Ethanol	1.374	124.940
n-Propanol	2.467	223.138

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396404	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:06:17 PM
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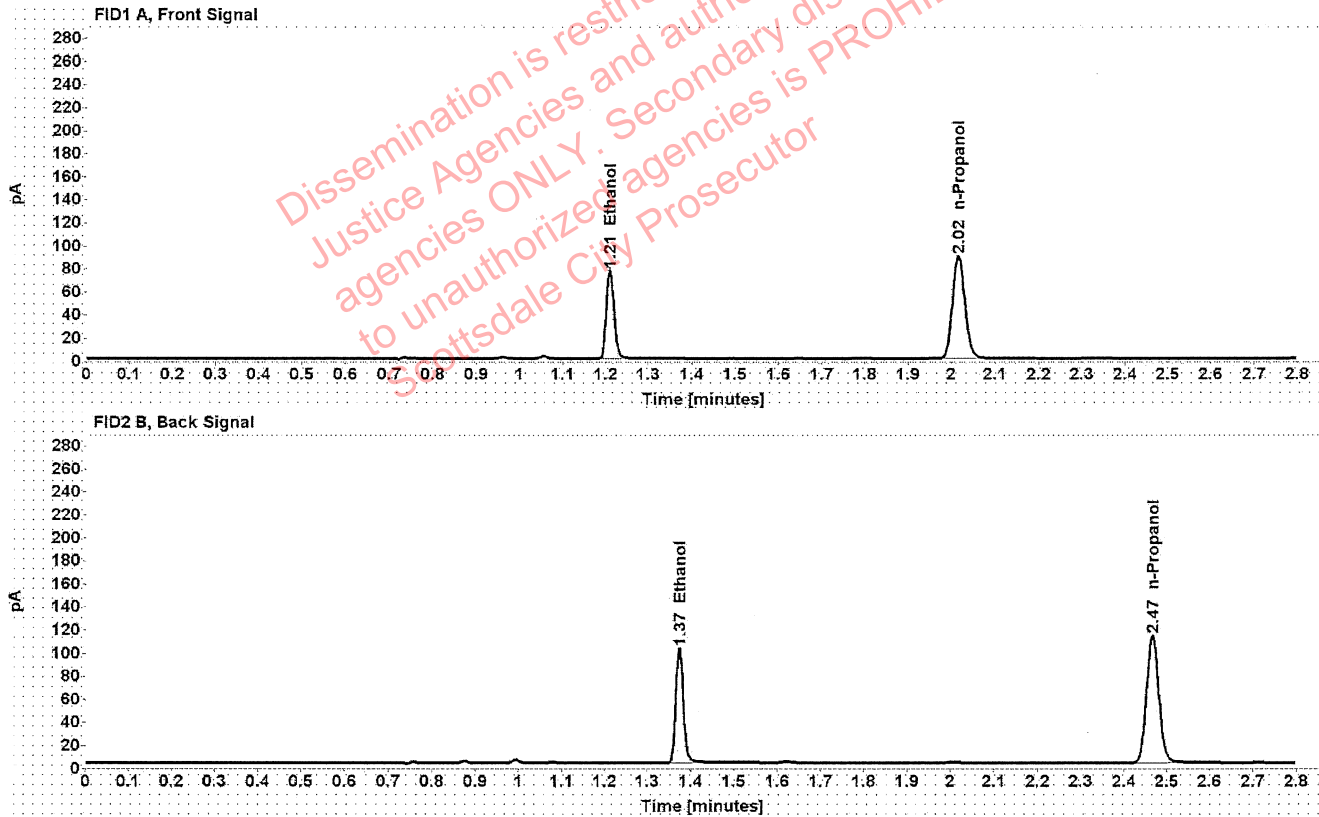


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1535	1.210	97.764
n-Propanol	-----	2.016	177.120

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

Compound	Time (min)	Peak Area
Ethanol	1.374	123.553
n-Propanol	2.467	223.030

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396443	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:10:18 PM
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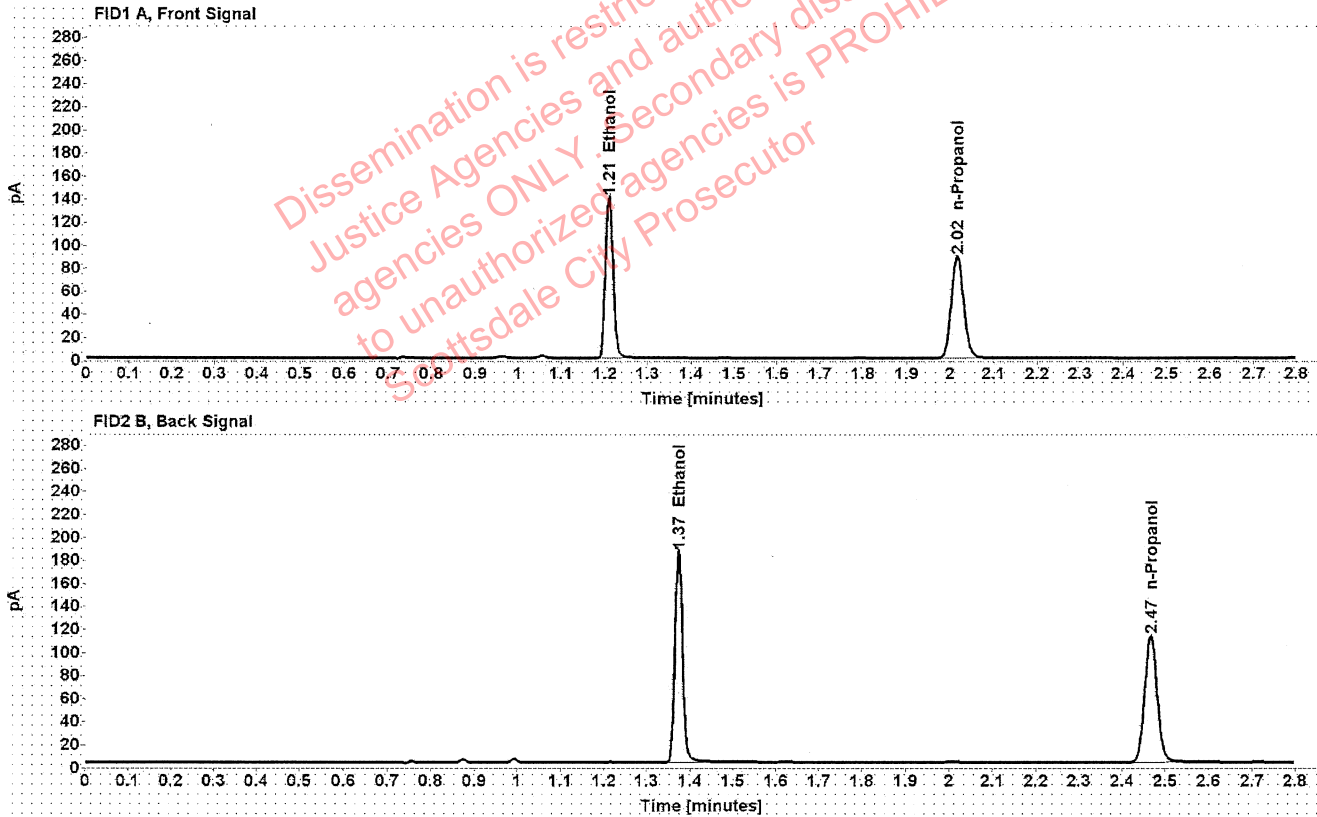


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2802	1.210	178.059
n-Propanol	-----	2.016	176.199

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

Compound	Time (min)	Peak Area
Ethanol	1.374	226.713
n-Propanol	2.467	221.464

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396443	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:14:18 PM
Data file:	C:\Chem32\1\Data\17Nov21\30.D	Analyst:	Abbott

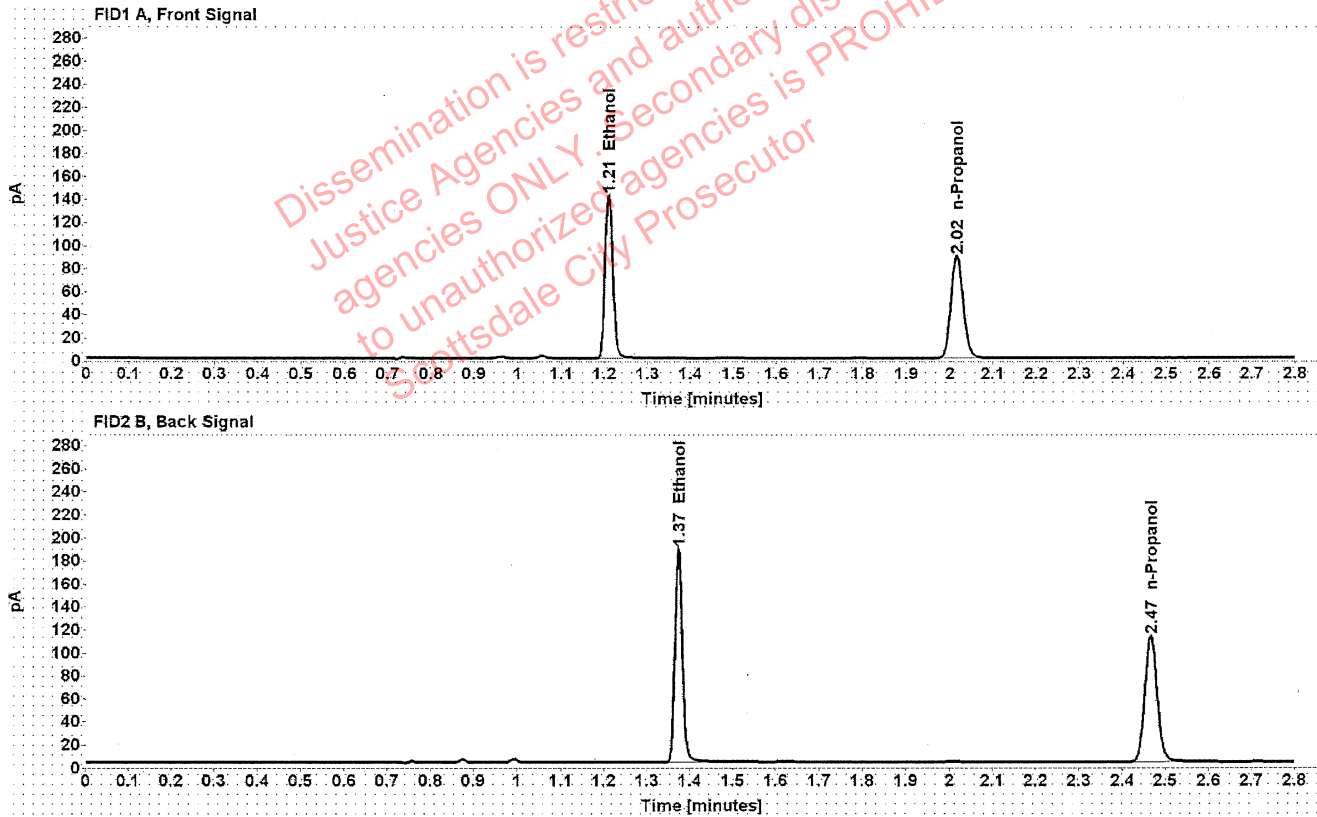


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2830	1.209	180.382
n-Propanol	-----	2.016	176.686

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

Compound	Time (min)	Peak Area
Ethanol	1.373	229.370
n-Propanol	2.466	221.832

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396599	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:22:32 PM
Data file:	C:\Chem32\1\Data\17Nov21\32.D	Analyst:	Abbott

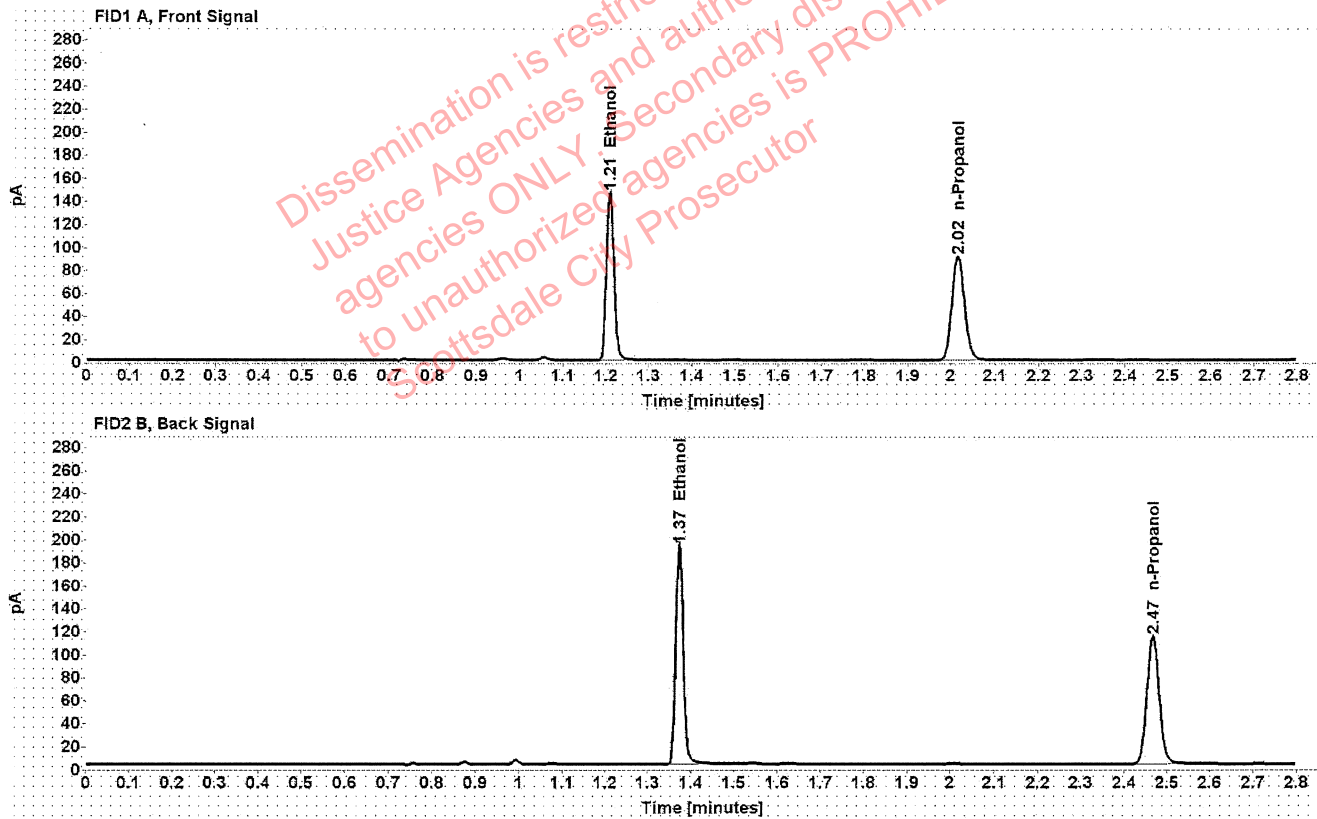


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2862	1.210	185.159
n-Propanol	-----	2.016	179.311

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

Compound	Time (min)	Peak Area
Ethanol	1.374	233.889
n-Propanol	2.467	224.906

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396599	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:26:32 PM
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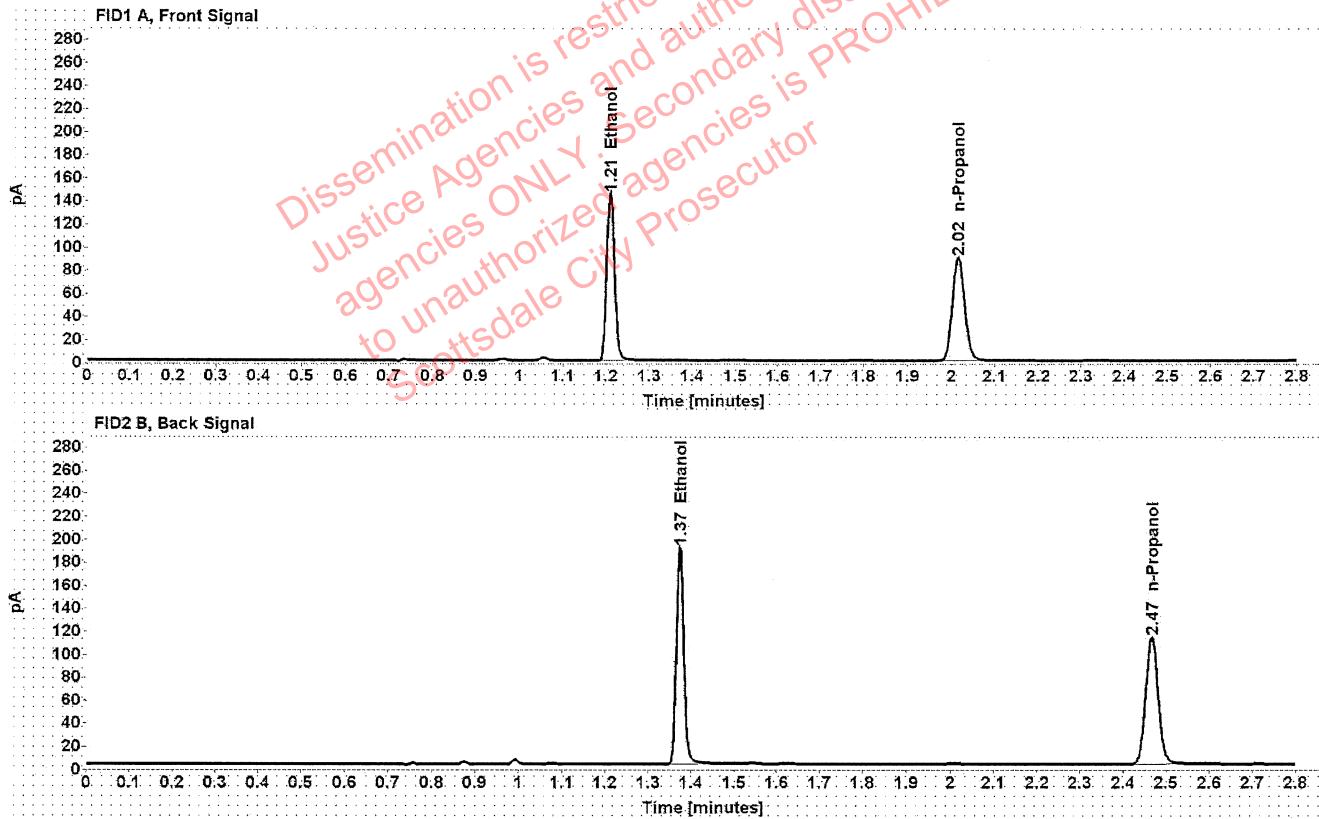


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2859	1.210	183.621
n-Propanol	-----	2.016	178.017

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

Compound	Time (min)	Peak Area
Ethanol	1.374	232.006
n-Propanol	2.467	223.112

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394088	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:30:31 PM
Data file:	C:\Chem32\1\Data\17Nov21\34.D	Analyst:	Abbott

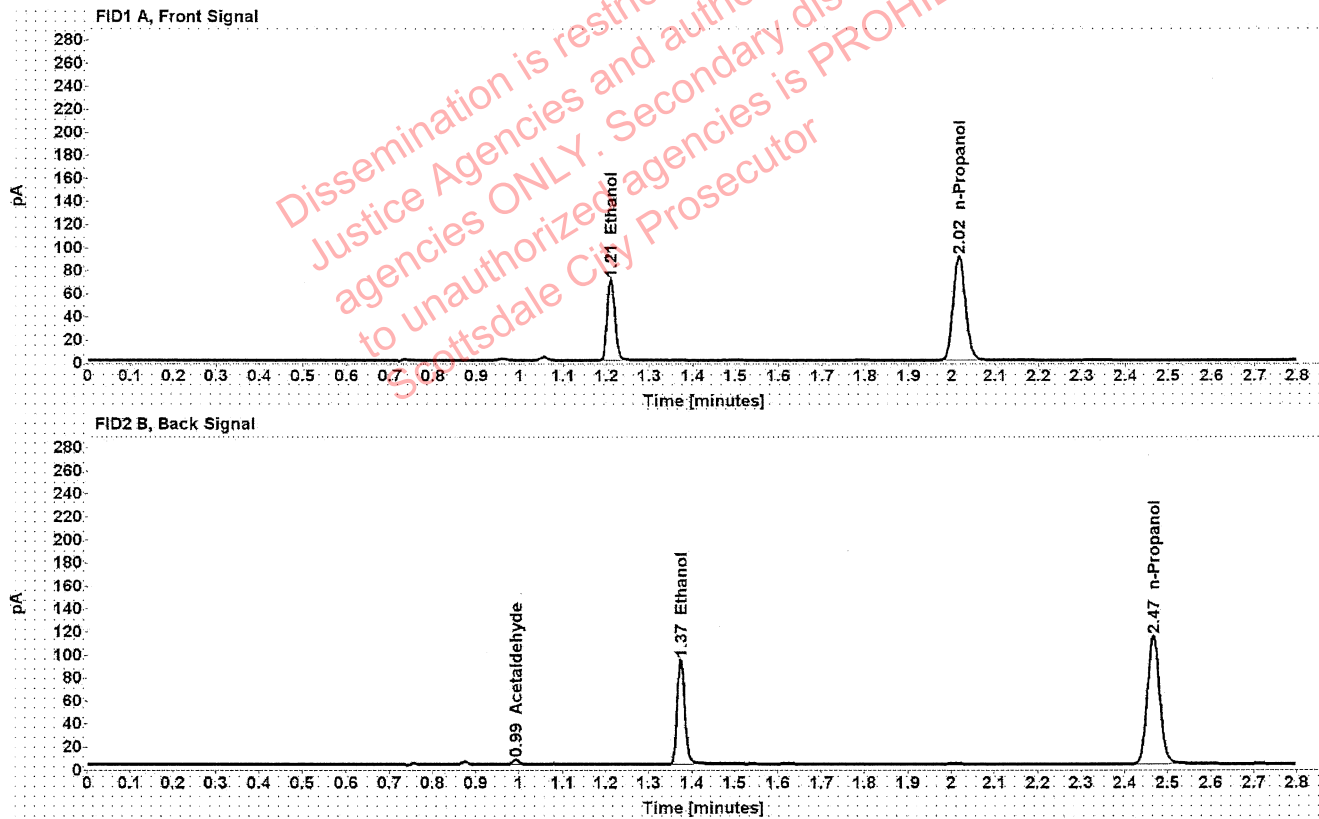


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1394	1.210	89.718
n-Propanol	-----	2.016	179.190

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.049
Ethanol	1.374	112.618
n-Propanol	2.467	224.982

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1394088	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:34:32 PM
Data file:	C:\Chem32\1\Data\17Nov21\35.D	Analyst:	Abbott

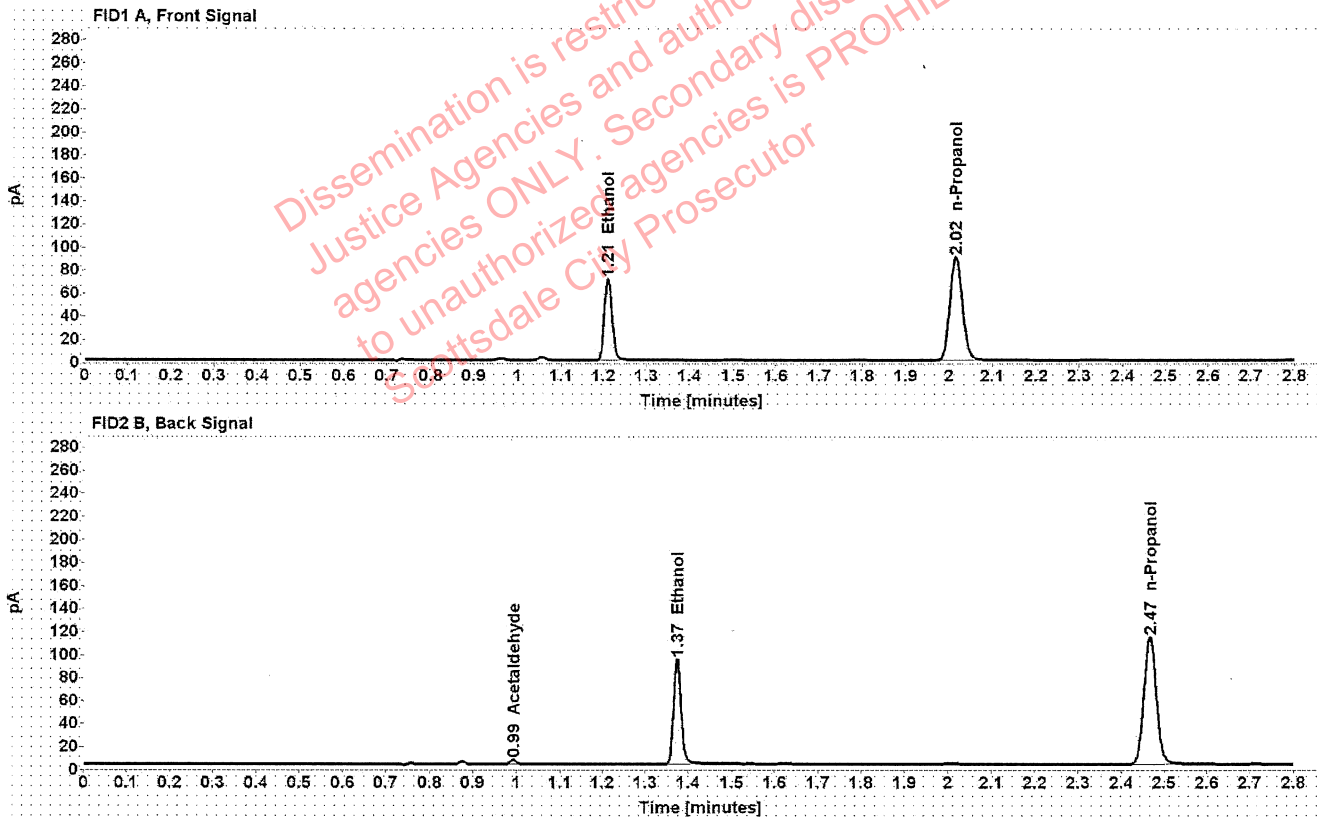


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1401	1.210	89.961
n-Propanol	-----	2.016	178.743

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.921
Ethanol	1.374	113.278
n-Propanol	2.467	224.547

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1381735	Vial:	36
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:38:32 PM
Data file:	C:\Chem32\1\Data\17Nov21\36.D	Analyst:	Abbott

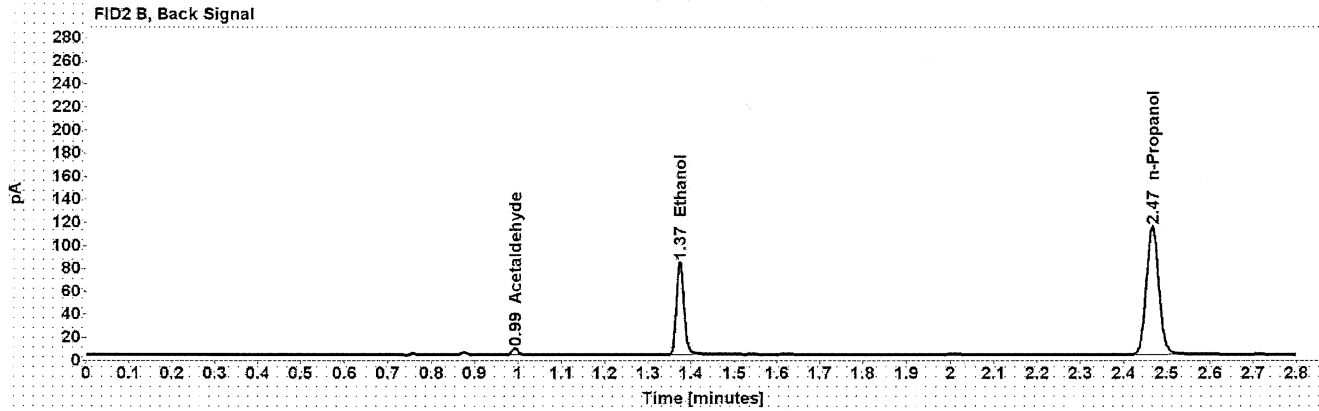
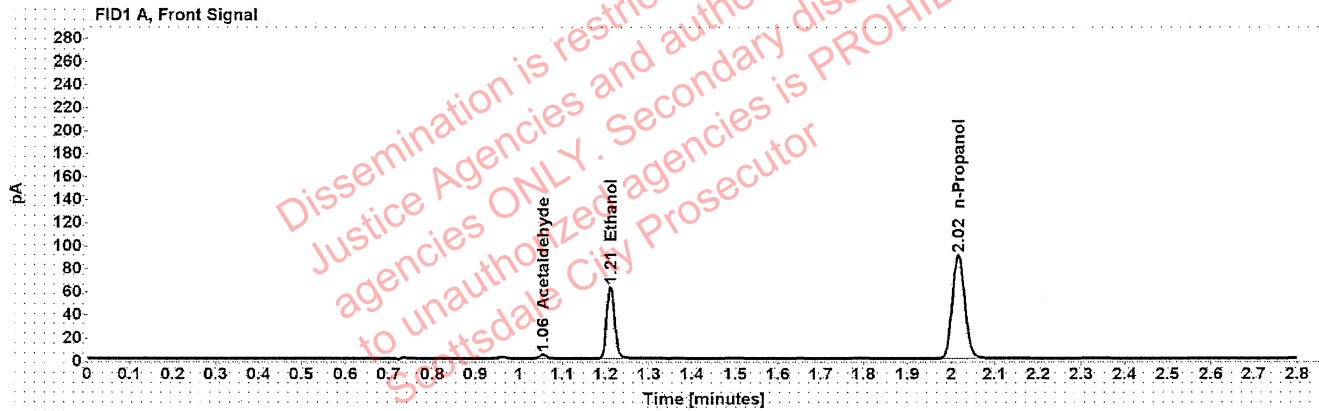


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.890
>Ethanol	0.1241	1.210	79.835
n-Propanol	-----	2.016	179.218

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.110
Ethanol	1.374	100.188
n-Propanol	2.467	225.234

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1381735	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:42:47 PM
Data file:	C:\Chem32\1\Data\17Nov21\37.D	Analyst:	Abbott

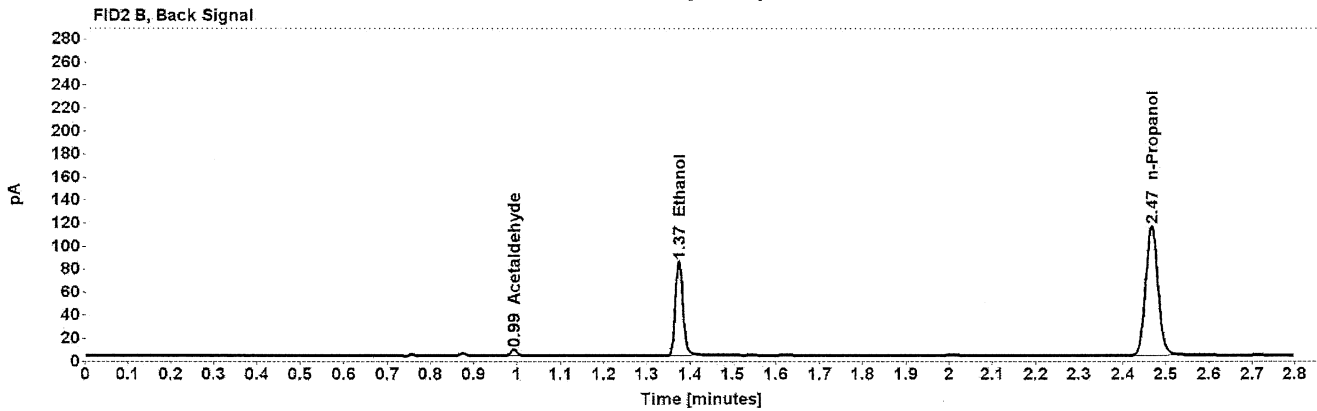
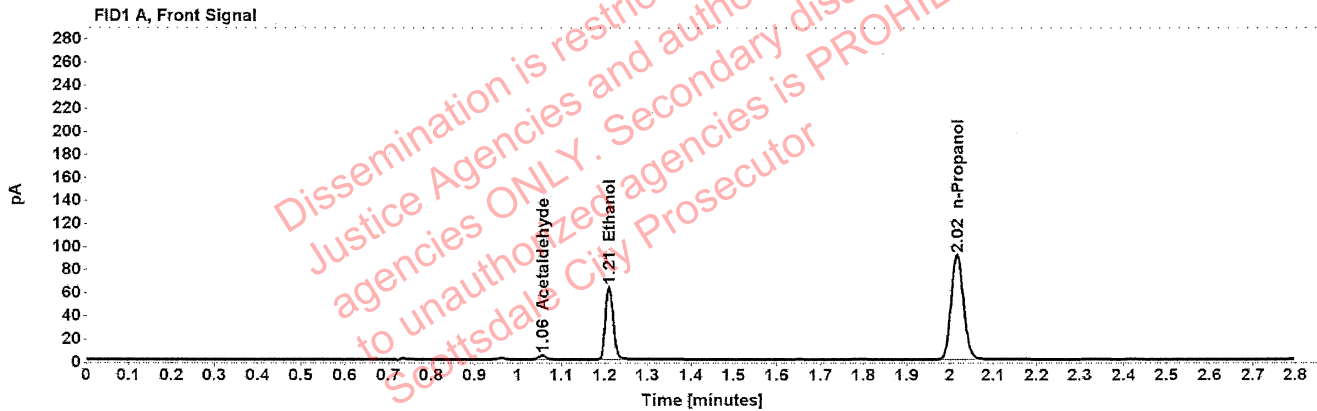


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.914
>Ethanol	0.1243	1.210	80.819
n-Propanol	-----	2.016	181.150

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.166
Ethanol	1.374	101.101
n-Propanol	2.467	227.751

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396711	Vial:	38
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:46:46 PM
Data file:	C:\Chem32\1\Data\17Nov21\38.D	Analyst:	Abbott

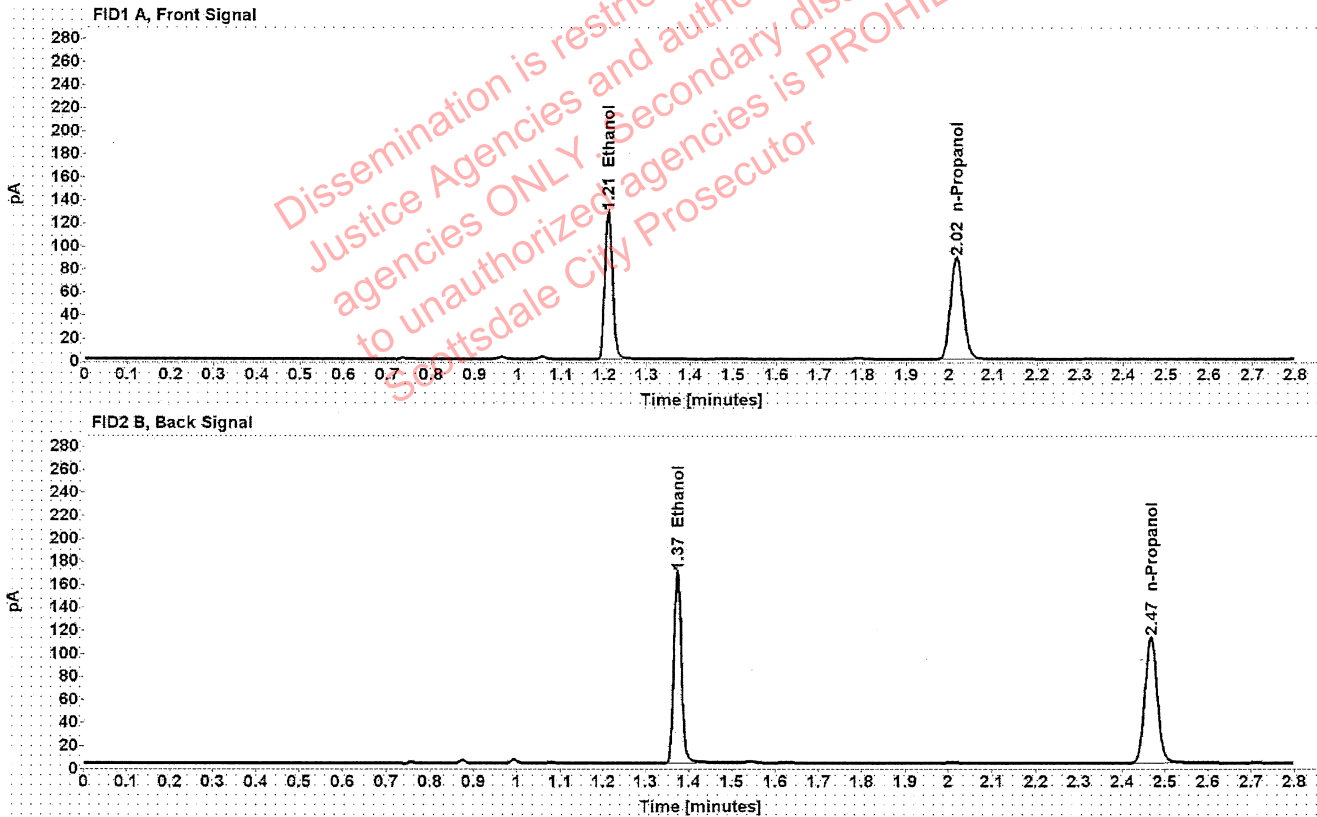


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2557	1.210	162.040
n-Propanol	-----	2.016	175.742

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

Compound	Time (min)	Peak Area
Ethanol	1.374	204.596
n-Propanol	2.467	220.132

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1396711	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	17Nov21
Instrument:	US14173023 CN14160045	Injection date:	11/17/2021 1:50:47 PM
Data file:	C:\Chem32\1\Data\17Nov21\39.D	Analyst:	Abbott

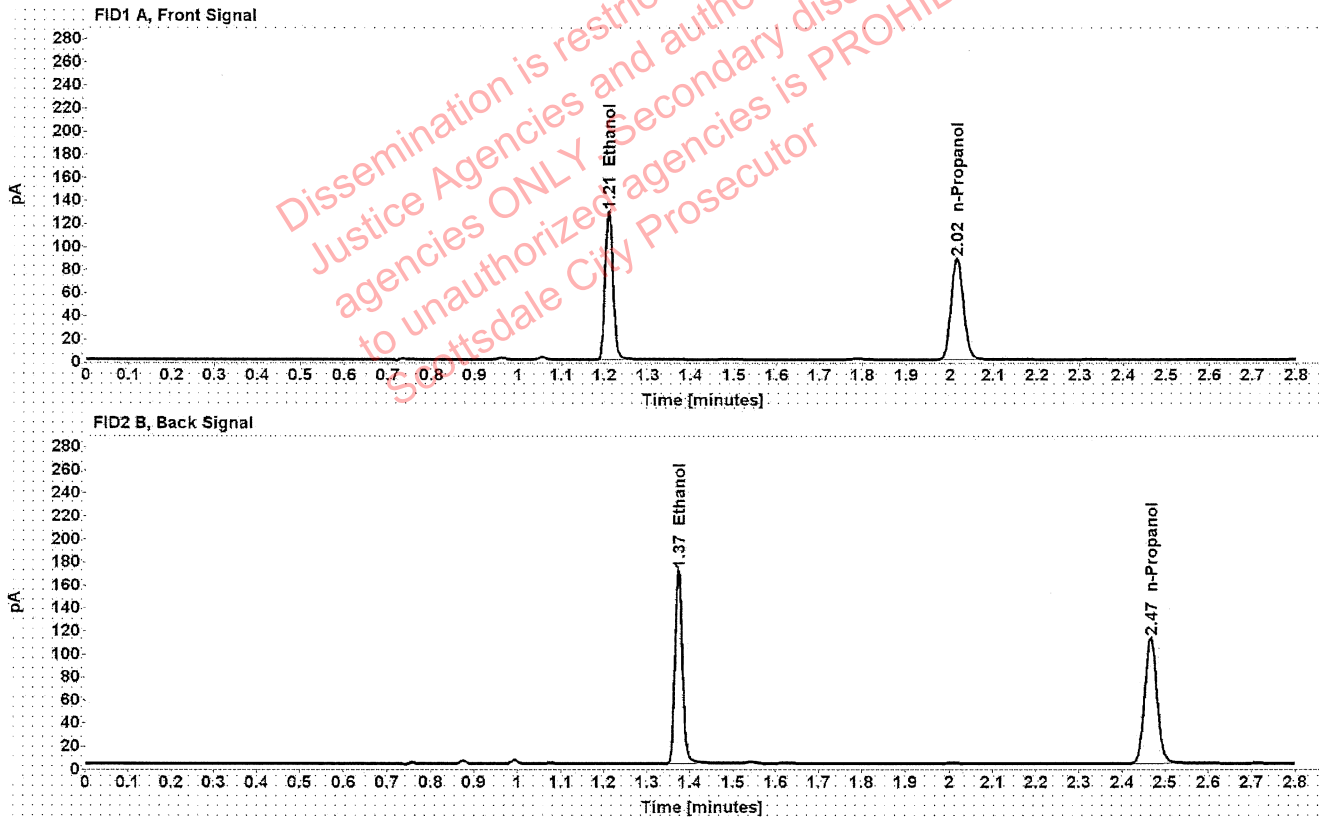


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2582	1.209	163.602
n-Propanol	-----	2.016	175.709

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

Compound	Time (min)	Peak Area
Ethanol	1.373	206.608
n-Propanol	2.466	220.124