SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/18/22 SEQUENCE NAME 18Oct22

EQUIPMENT

Pipettor ☒ Hamilton ML600EH7497 ☐ Hamilton ML600GJ10749
Gas Chromatograph ☒ Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN10051909
Vial 2 0.10 calibrator Lot FN05311902
Vial 3 0.20 calibrator Lot FN02052101
Vial 4 0.40 calibrator Lot FN03052102

Coefficient of determination (r^2) 0.99999

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CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 070622AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.401 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	0.201 g/dL	ACQ 4110320133/8
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 20012020-B
31	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 11092018-A
32	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
33	Blood control	0.199 g/dL	0.201 g/dL	ACQ 4110320133/8
34	Blank	Not detected	Not detected	SPD Lab 101921WB

SUBJECT SAMPLES

Subjects in the sequence 10 Subjects requiring reanalysis 0

ADDITIONAL NOTES: **All testing proceeded as expected.**

Run valid ☒ Run invalid ☐ Phillip Brooks Analyst

Run valid ☒ Run invalid ☐ Erika Canonico Technical Reviewer

Scottsdale Police Department Crime Laboratory
Sequence Quality Assurance Summary

SEQUENCE NAME: 18Oct22 **ANALYST: Brooke** PB

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 070622AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.401	0.400	0.25	0.001
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.199 4110320133/8	9	0.201	0.199	1.01	0.002
0.080 20012020-B	20	0.080	0.080	0.00	0.000
0.400 11092018-A	31	0.402	0.400	0.50	0.002
0.040 14082019-B	32	0.040	0.040	0.00	0.000
0.199 4110320133/8	33	0.201	0.199	1.01	0.002
blank 101921WB	34	negative	negative	-	-

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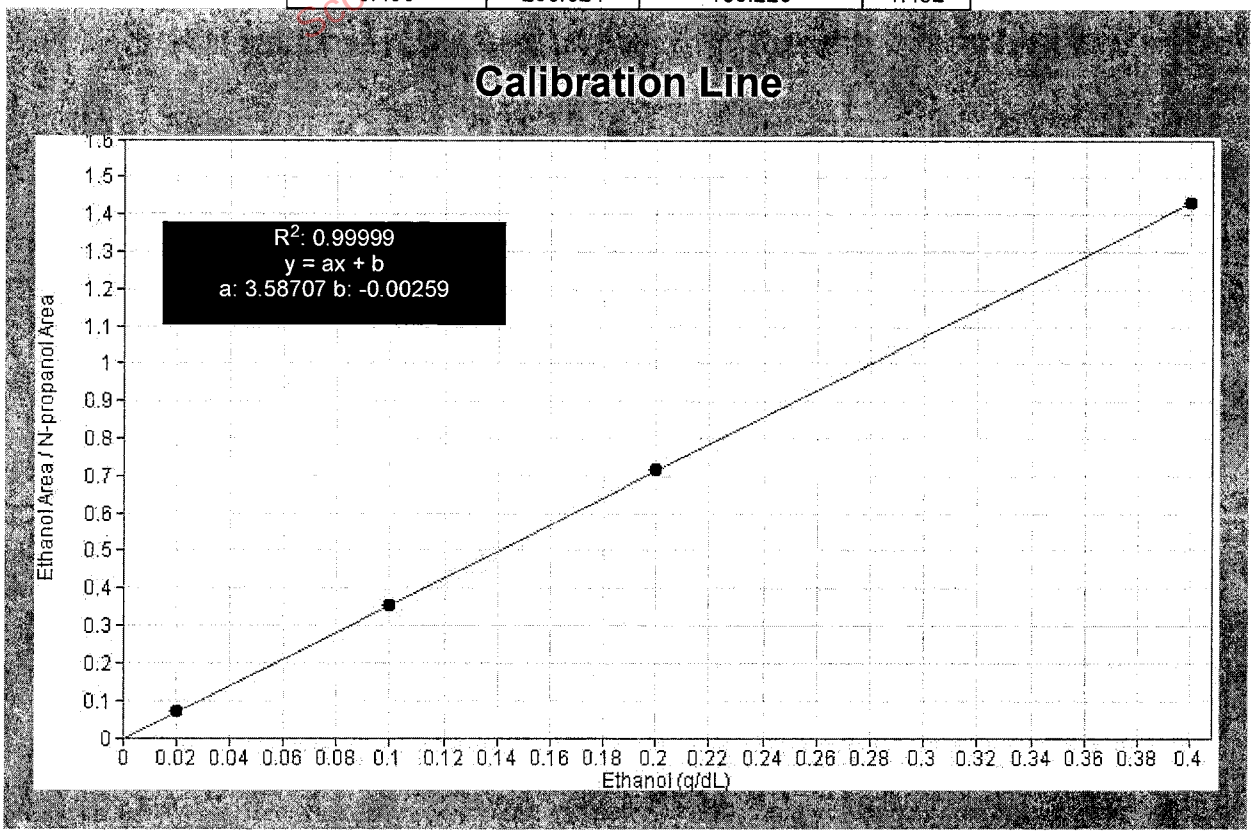
Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.688	166.471	0.070
0.100	58.319	164.769	0.354
0.200	119.515	166.901	0.716
0.400	236.624	165.229	1.432



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN10051909	**Vial:**	1
Description:	0.020 calibrator	**Sequence:**	18Oct22
Method:	ethanol quant.M	**Injection date:**	10/18/2022 1:15:48 PM
Instrument:	US14173023 CN14160045	**Analyst:**	Brooke
Data file:	C:\Chem32\1\Data\18Oct22\1.D		

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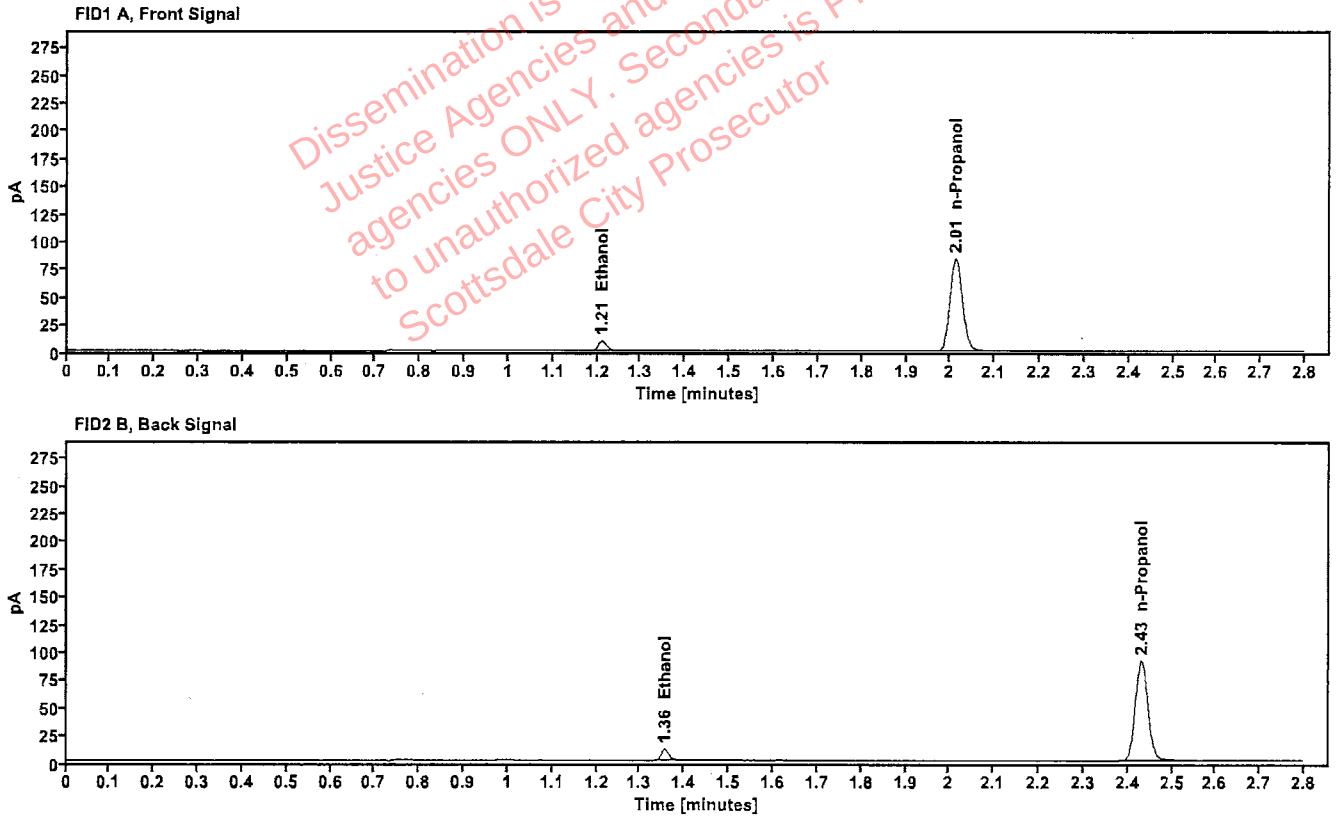

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.688
n-Propanol	2.013	166.471

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

Compound	Time (min)	Peak Area
Ethanol	1.356	12.565
n-Propanol	2.431	179.898

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	**Vial:**	2
Description:	0.100 calibrator	**Sequence:**	18Oct22
Method:	ethanol quant.M	**Injection date:**	10/18/2022 1:19:49 PM
Instrument:	US14173023 CN14160045	**Analyst:**	Brooke
Data file:	C:\Chem32\1\Data\18Oct22\2.D		

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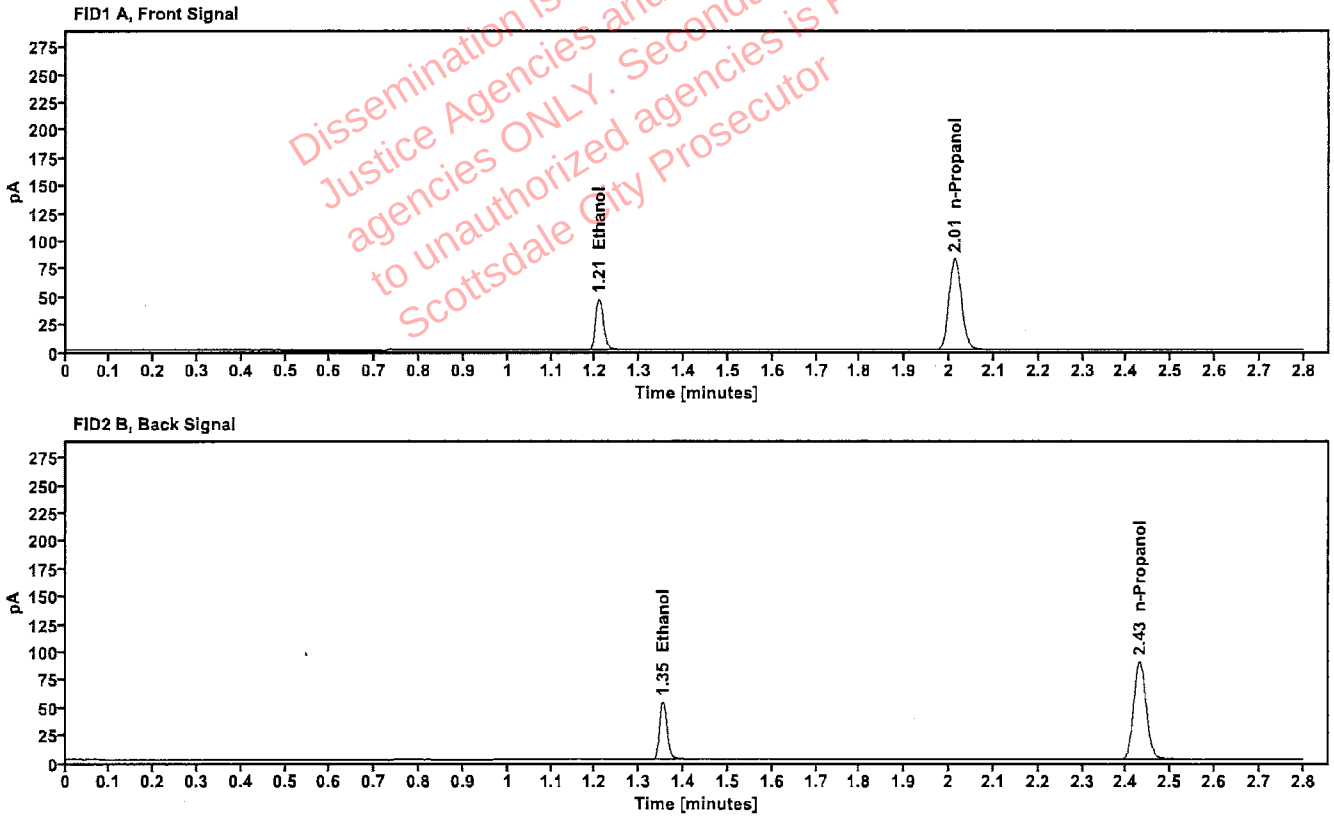

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	58.319
n-Propanol	2.012	164.769

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

Compound	Time (min)	Peak Area
Ethanol	1.353	63.640
n-Propanol	2.430	178.048

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN02052101	**Vial:**	3
Description:	0.200 calibrator	**Sequence:**	18Oct22
Method:	ethanol quant.M	**Injection date:**	10/18/2022 1:23:48 PM
Instrument:	US14173023 CN14160045	**Analyst:**	Brooke
Data file:	C:\Chem32\1\Data\18Oct22\3.D		

YB

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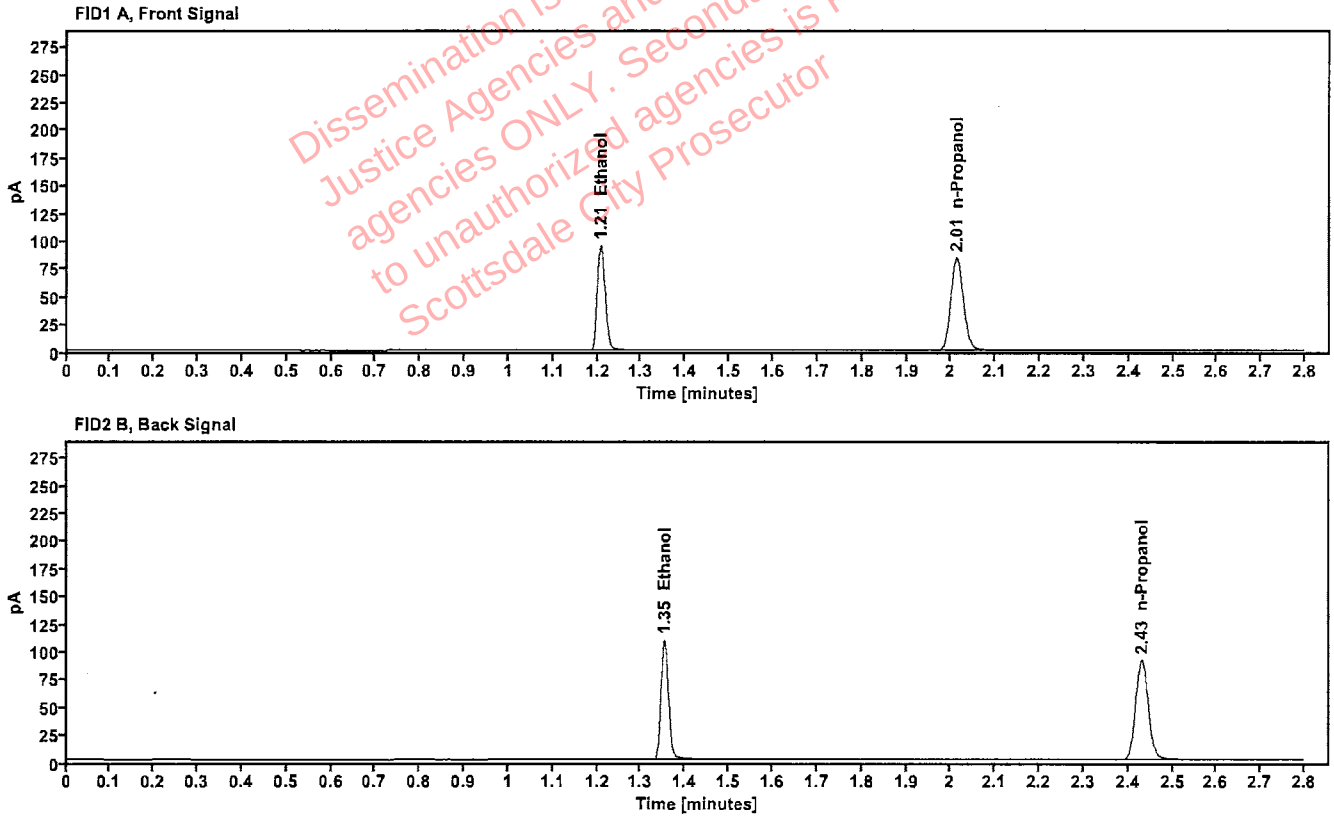

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.207	119.515
n-Propanol	2.013	166.901

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

Compound	Time (min)	Peak Area
Ethanol	1.353	130.805
n-Propanol	2.431	180.425

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03052102	**Vial:**	4
Description:	0.400 calibrator	**Sequence:**	18Oct22
Method:	ethanol quant.M	**Injection date:**	10/18/2022 1:27:49 PM
Instrument:	US14173023 CN14160045	**Analyst:**	Brooke
Data file:	C:\Chem32\1\Data\18Oct22\4.D		

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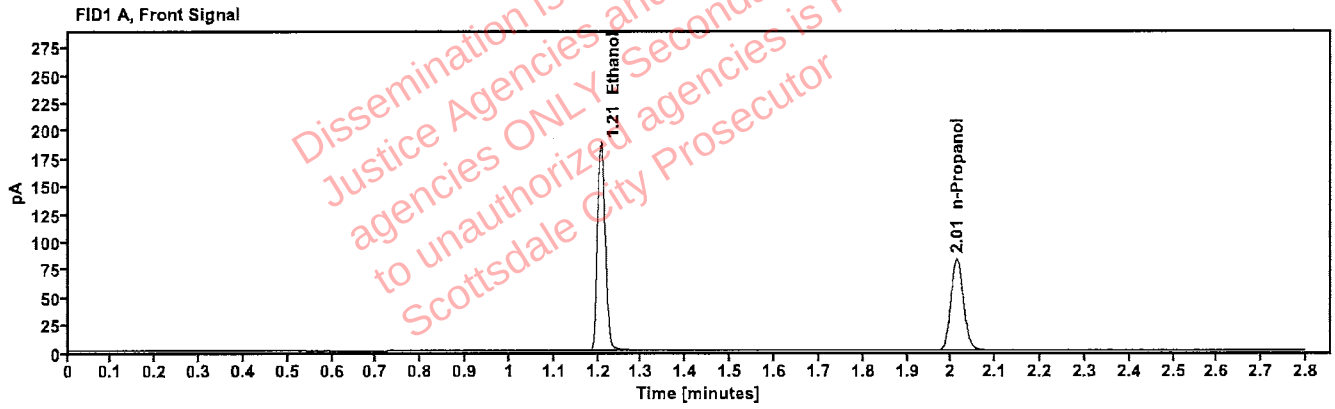

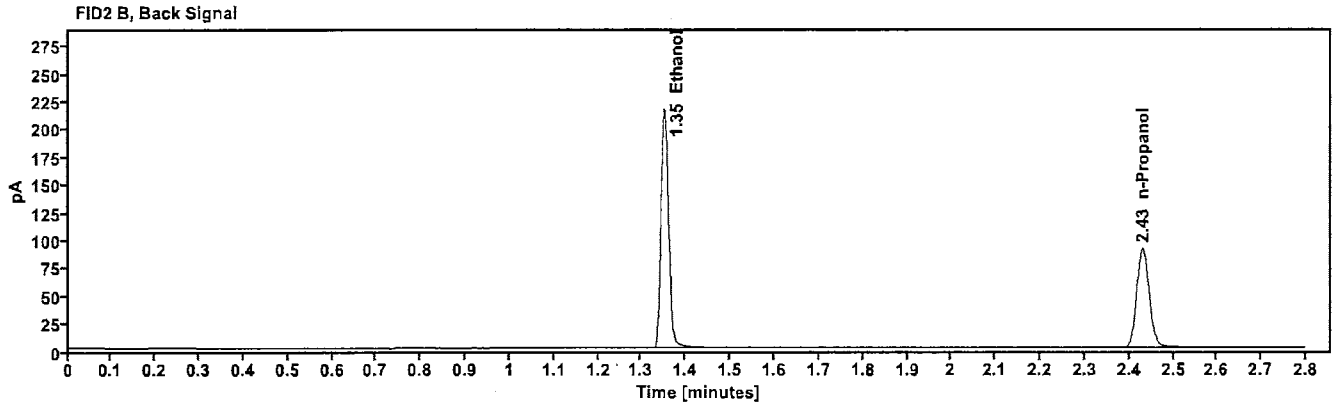

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.206	236.624
n-Propanol	2.013	165.229

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

Compound	Time (min)	Peak Area
Ethanol	1.352	260.237
n-Propanol	2.431	178.610

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	070622AQ	**Vial:**	5
Description:	Negative	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 1:31:48 PM
Data file:	C:\Chem32\1\Data\18Oct22\5.D	**Analyst:**	Brooke

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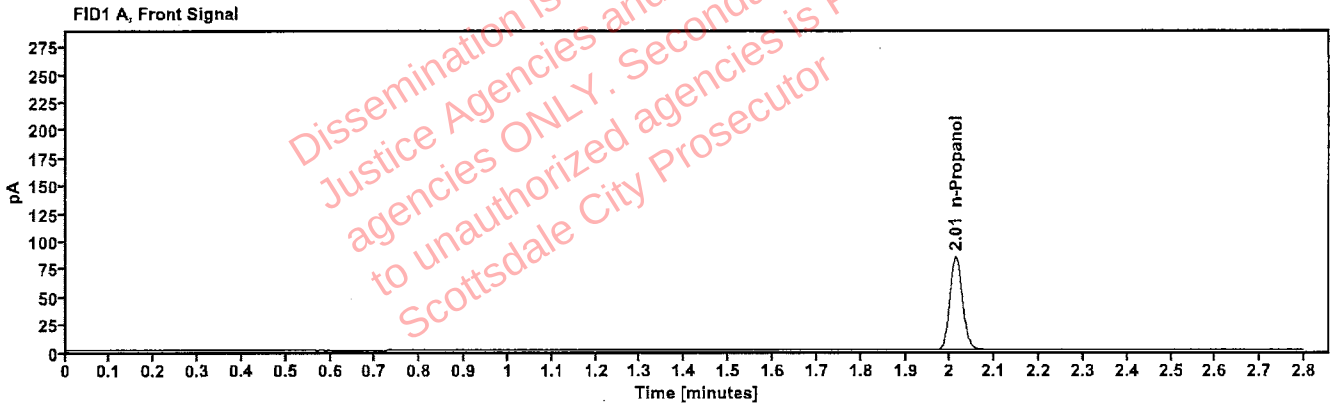

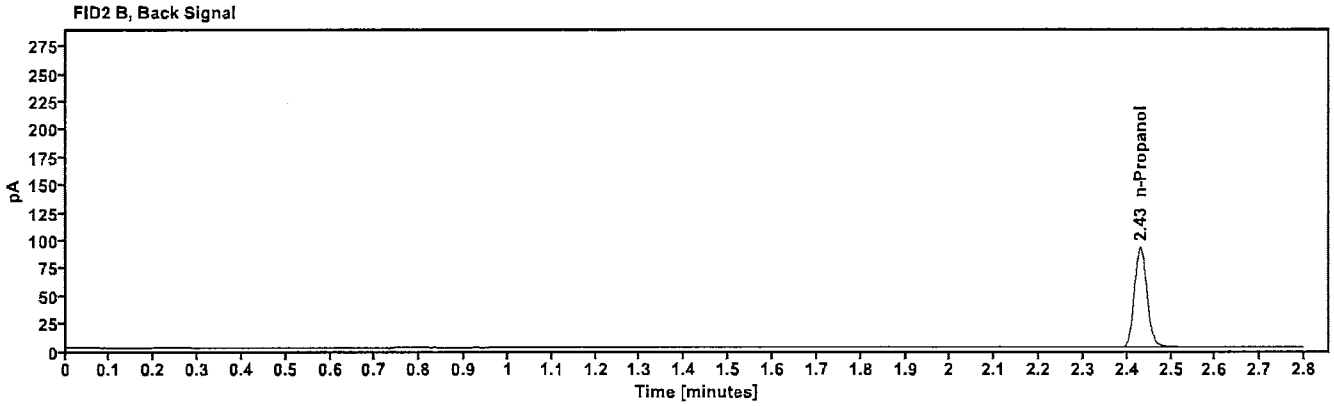

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.013	168.108

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

Compound	Time (min)	Peak Area
n-Propanol	2.431	181.935

Scottsdale Police Department Crime Lab Volatiles Analysis

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Sample:	050721MIX	**Vial:**	6
Description:	Volatiles mix	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 1:35:48 PM
Data file:	C:\Chem32\1\Data\18Oct22\6.D	**Analyst:**	Brooke

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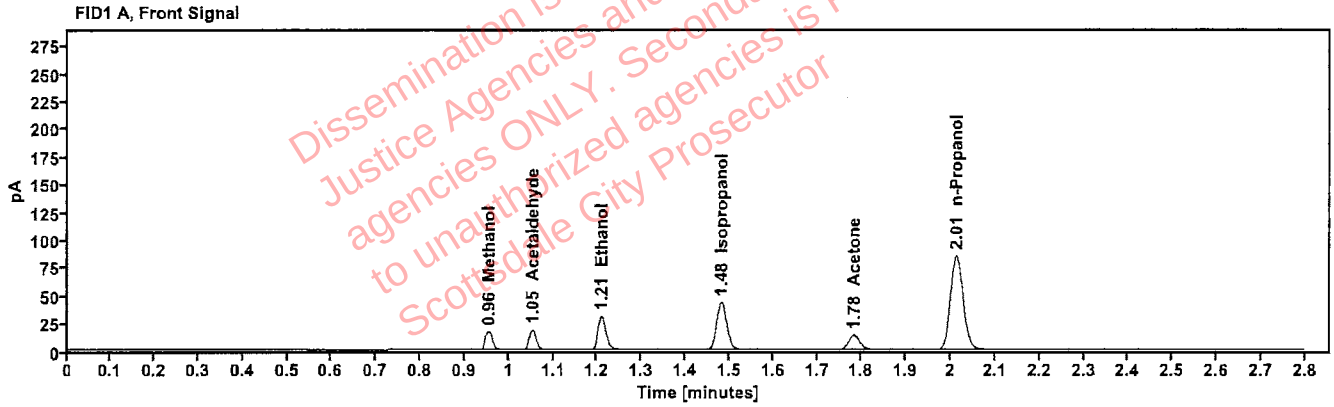

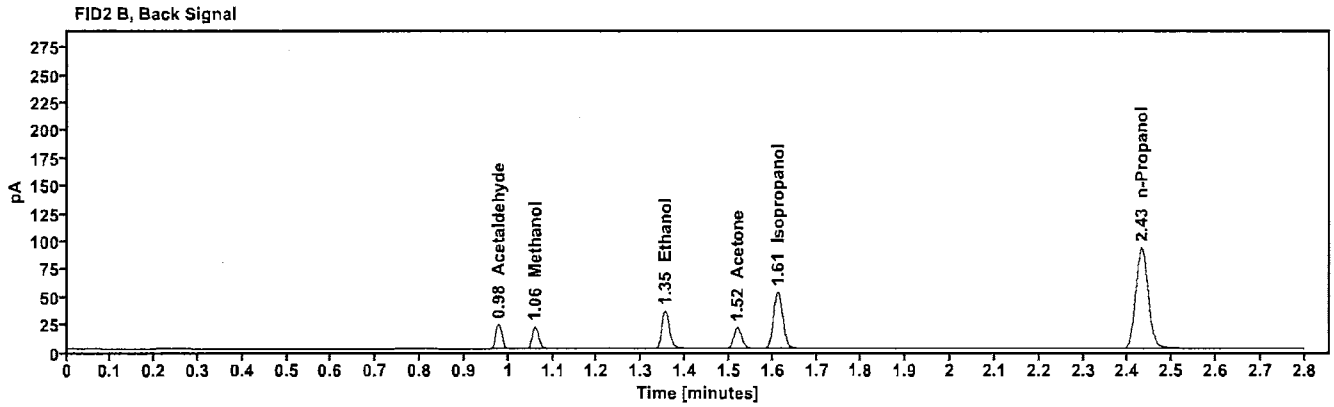

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	------	0.955	18.782
Acetaldehyde	------	1.053	19.339
>Ethanol	0.0638	1.209	38.333
Isopropanol	------	1.481	68.683
Acetone	------	1.782	22.637
n-Propanol	------	2.013	169.309

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.978	21.616
Methanol	1.060	20.529
Ethanol	1.354	41.653
Acetone	1.519	24.892
Isopropanol	1.612	76.081
n-Propanol	2.431	183.100

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	**Vial:**	7
Description:	0.400	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 1:40:04 PM
Data file:	C:\Chem32\1\Data\18Oct22\7.D	**Analyst:**	Brooke

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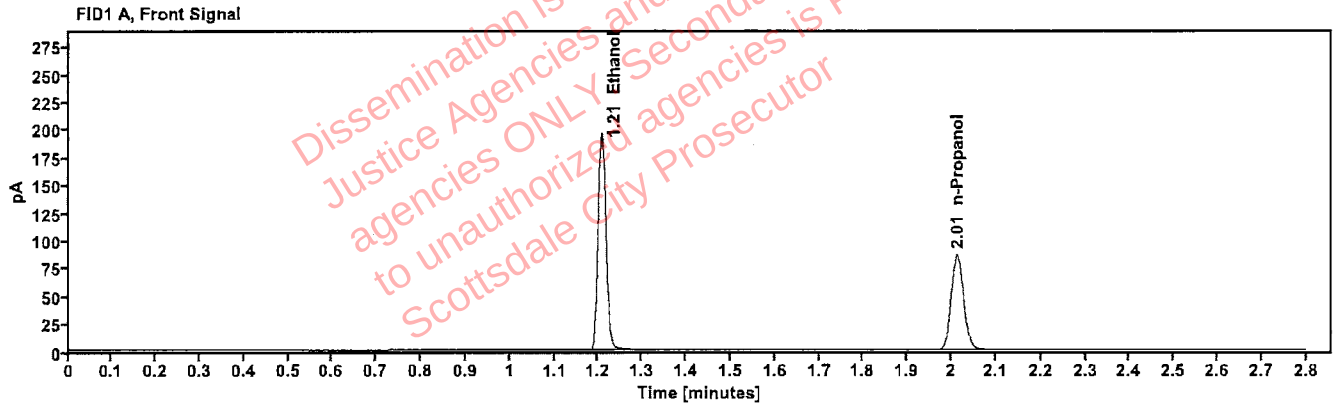

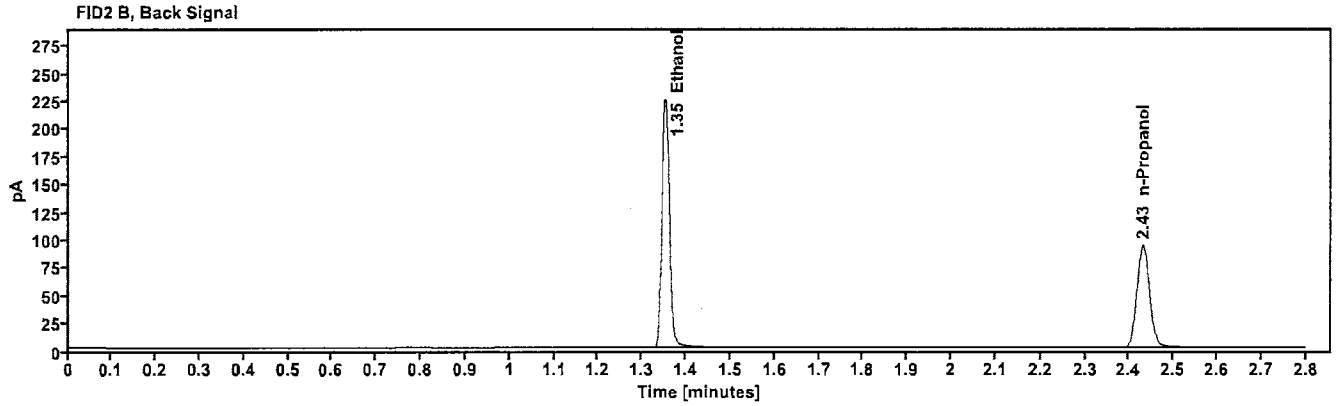

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4014	1.207	246.082
n-Propanol	-----	2.013	171.216

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

Compound	Time (min)	Peak Area
Ethanol	1.353	270.743
n-Propanol	2.431	185.478

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	**Vial:**	8
Description:	0.040	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 1:44:03 PM
Data file:	C:\Chem32\1\Data\18Oct22\8.D	**Analyst:**	Brooke

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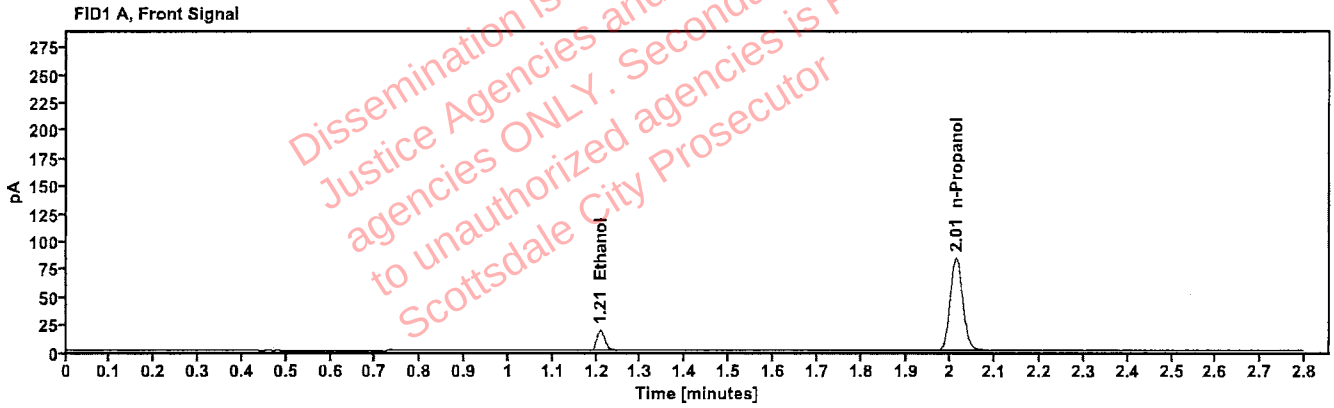

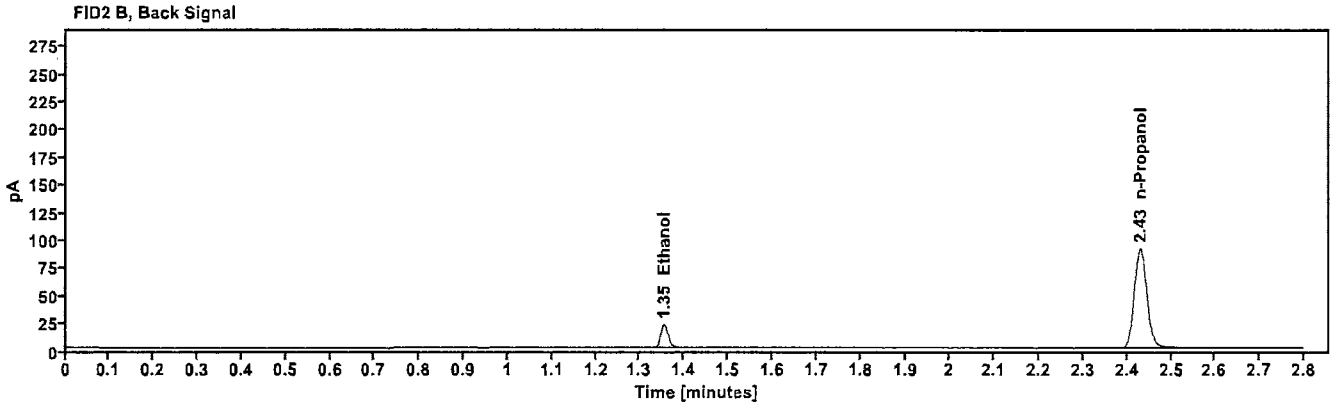

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0402	1.209	23.671
n-Propanol	-----	2.012	167.071

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

Compound	Time (min)	Peak Area
Ethanol	1.354	25.727
n-Propanol	2.430	180.817

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4110320133/8	**Vial:**	9
Description:	0.199	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 1:48:04 PM
Data file:	C:\Chem32\1\Data\18Oct22\9.D	**Analyst:**	Brooke

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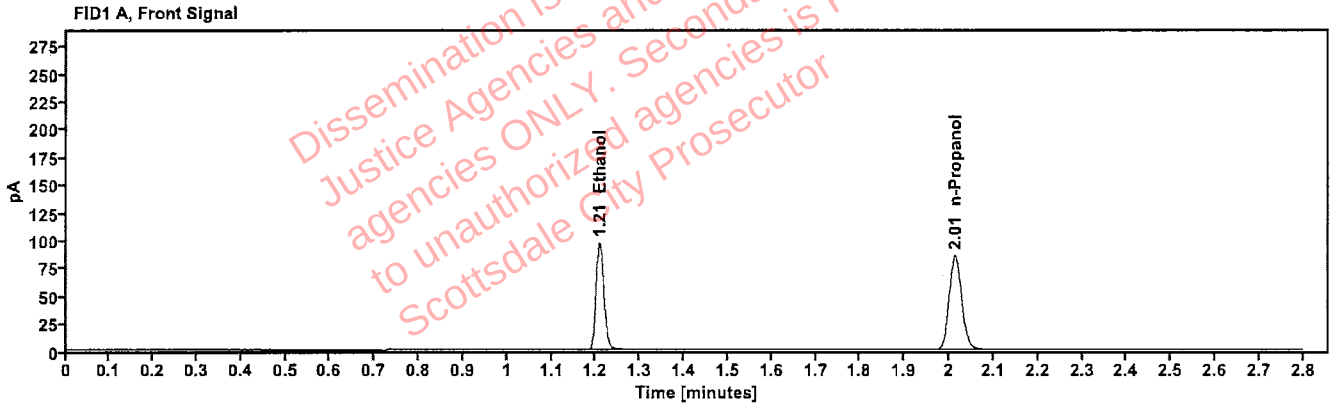

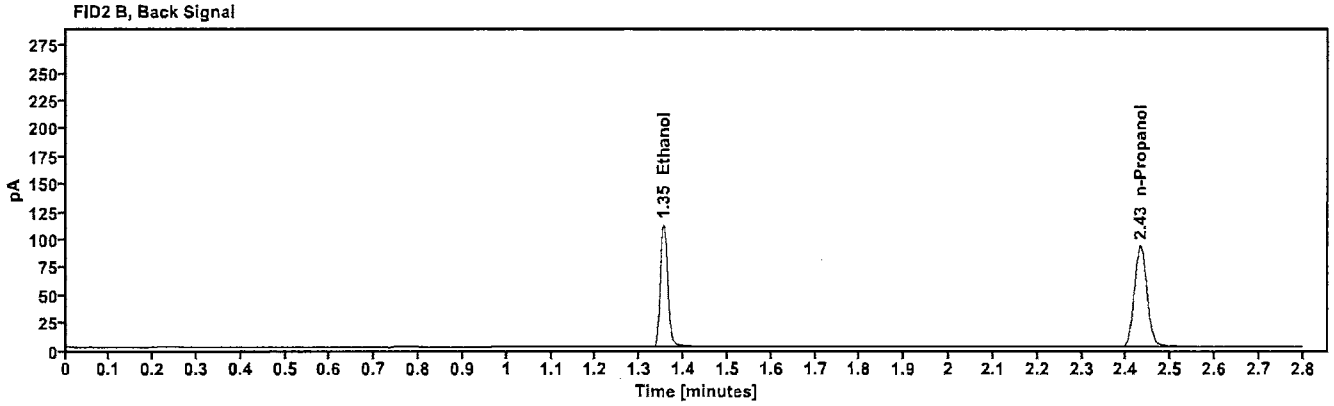

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2015	1.208	122.088
n-Propanol	-----	2.013	169.545

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

Compound	Time (min)	Peak Area
Ethanol	1.354	134.167
n-Propanol	2.432	183.760

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20012020-B	**Vial:**	20
Description:	0.080	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:32:34 PM
Data file:	C:\Chem32\1\Data\18Oct22\20.D	**Analyst:**	Brooke

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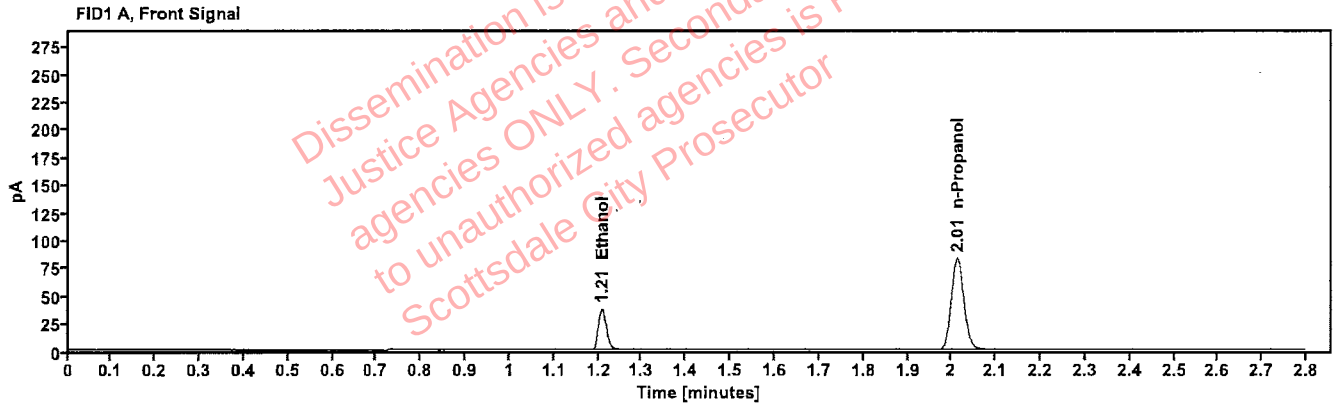

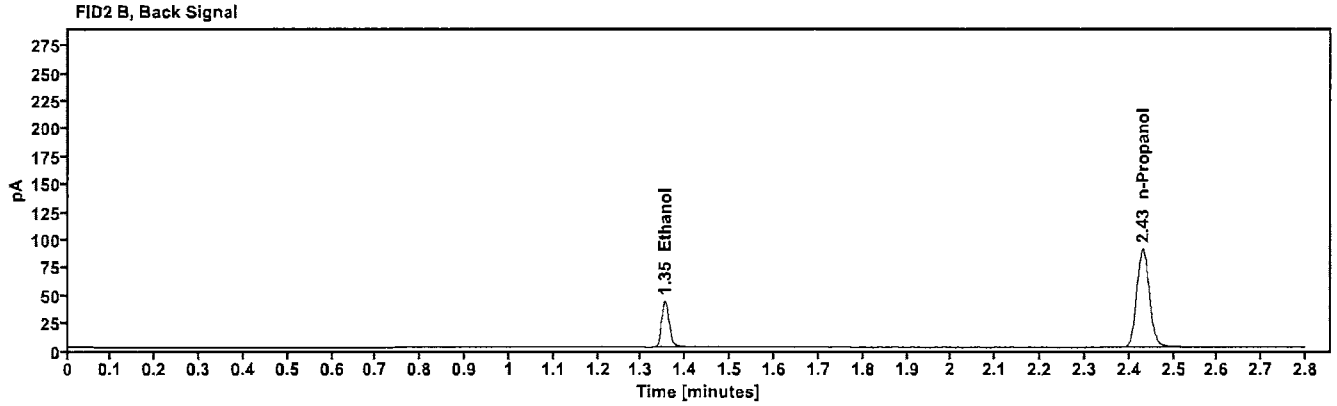

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0800	1.208	46.968
n-Propanol	------	2.013	165.186

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

Compound	Time (min)	Peak Area
Ethanol	1.353	51.146
n-Propanol	2.430	178.868

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	**Vial:**	31
Description:	0.400	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:17:03 PM
Data file:	C:\Chem32\1\Data\18Oct22\31.D	**Analyst:**	Brooke

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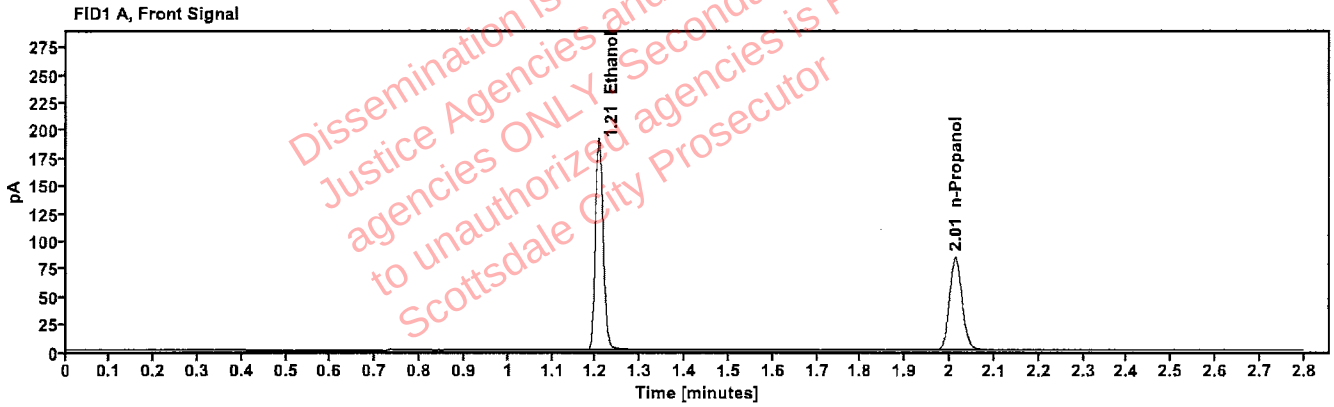

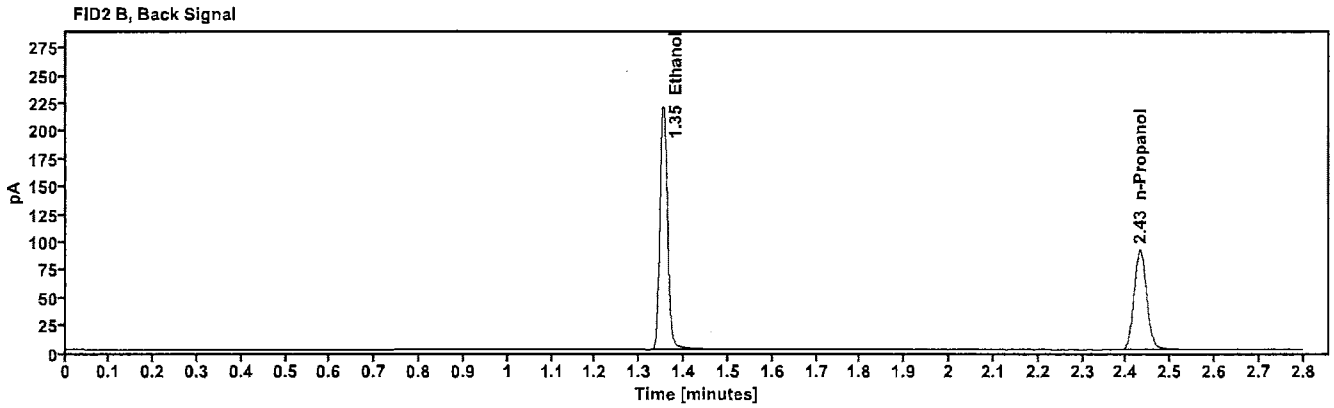

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4020	1.207	241.372
n-Propanol	------	2.013	167.669

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

Compound	Time (min)	Peak Area
Ethanol	1.353	265.505
n-Propanol	2.431	181.671

Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample:	14082019-B	**Vial:**	32
Description:	0.040	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:21:03 PM
Data file:	C:\Chem32\1\Data\18Oct22\32.D	**Analyst:**	Brooke

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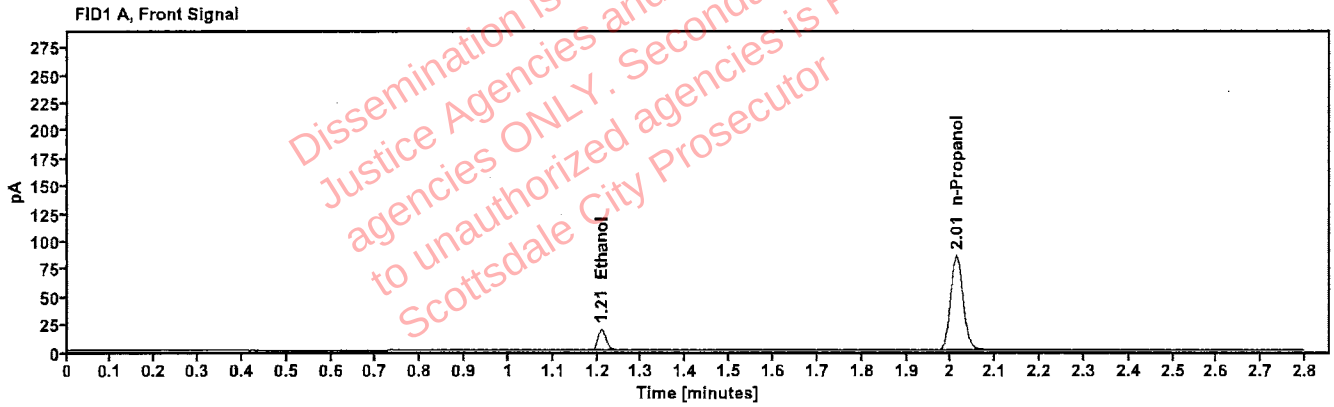

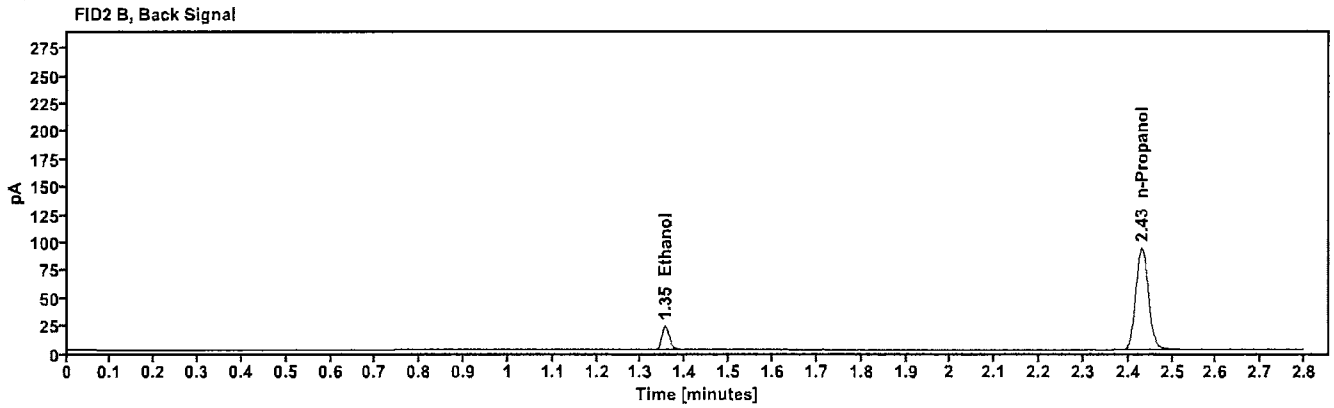

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.209	24.511
n-Propanol	-----	2.013	170.740

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

Compound	Time (min)	Peak Area
Ethanol	1.354	26.555
n-Propanol	2.431	184.919

Scottsdale Police Department Crime Lab Volatiles Analysis

PB

Sample:	4110320133/8	**Vial:**	33
Description:	0.199	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:25:03 PM
Data file:	C:\Chem32\1\Data\18Oct22\33.D	**Analyst:**	Brooke

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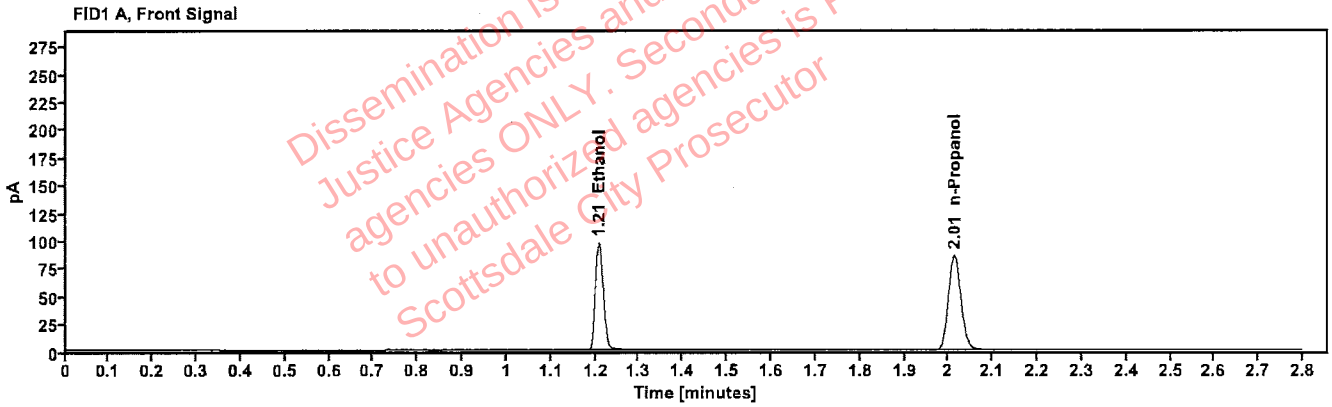

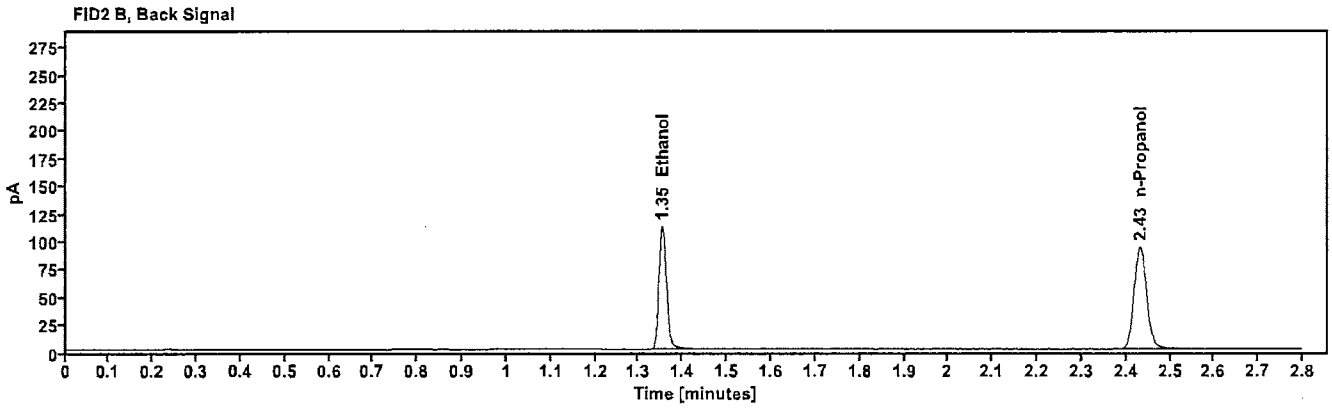

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2010	1.208	123.005
n-Propanol	-----	2.013	171.196

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

Compound	Time (min)	Peak Area
Ethanol	1.353	135.225
n-Propanol	2.432	185.622

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	101921WB	**Vial:**	34
Description:	Negative	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:29:04 PM
Data file:	C:\Chem32\1\Data\18Oct22\34.D	**Analyst:**	Brooke

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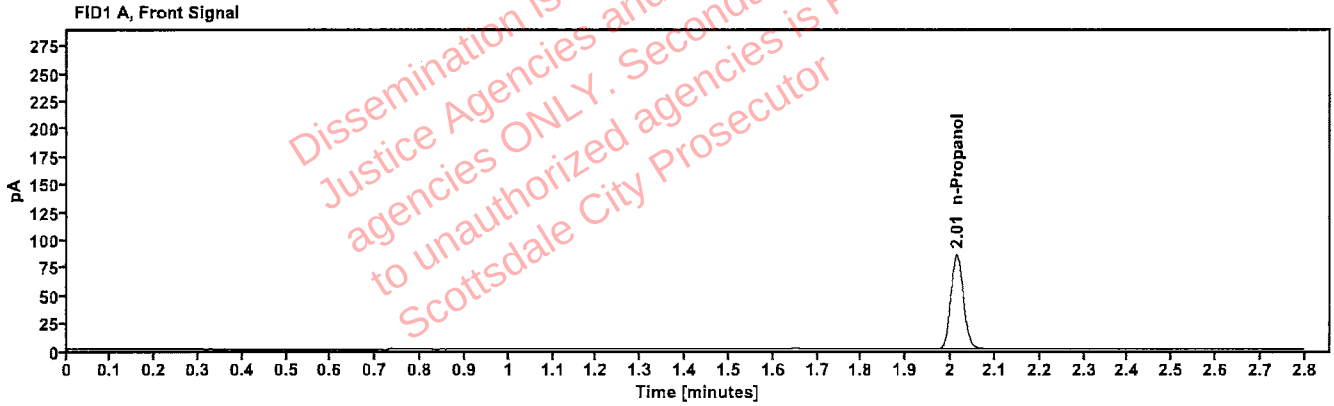

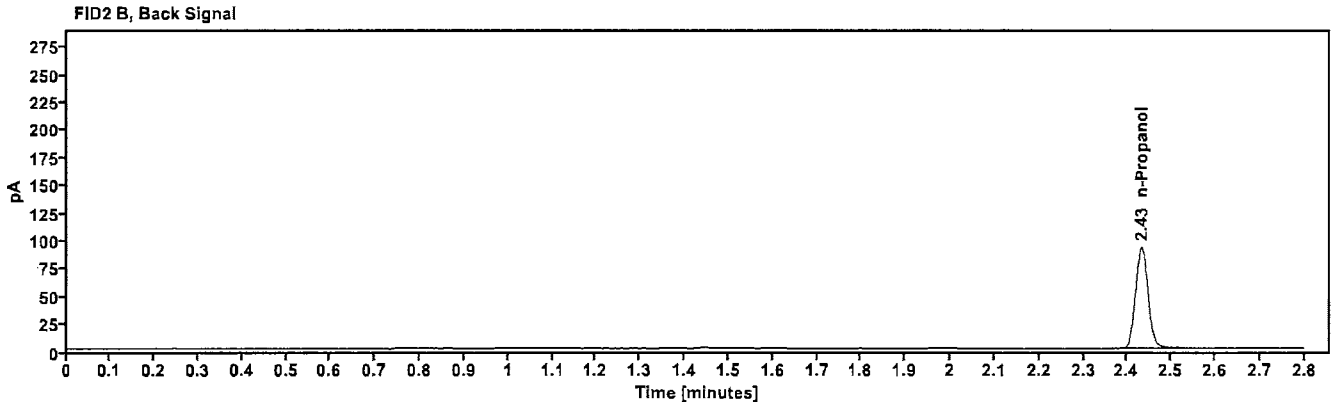

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	------	2.013	169.636

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

Compound	Time (min)	Peak Area
n-Propanol	2.432	184.256

Sequence Summary

'18

Sequence name: 18Oct22 **Instrument:** US14173023 CN14160045 **Analyst:** Brooke

Vial	Sample	Description	Type	LIMS ID	Method
1	FN10051909	0.020 calibrator	Calibration		ethanol quant.M
2	FN05311902	0.100 calibrator	Calibration		ethanol quant.M
3	FN02052101	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	070622AQ	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	4110320133/8	0.199	Control		ethanol quant.M
10	31801GM	[redacted]	Sample	[redacted]	ethanol quant.M
11	31801GM		Sample		ethanol quant.M
12	40501EM		Sample		ethanol quant.M
13	40501EM		Sample		ethanol quant.M
14	40801RV		Sample		ethanol quant.M
15	40801RV		Sample		ethanol quant.M
16	40501JG		Sample		ethanol quant.M
17	40501JG		Sample		ethanol quant.M
18	39001KK		Sample		ethanol quant.M
19	39001KK		Sample		ethanol quant.M
20	20012020-B	0.080	Control		ethanol quant.M
21	39001LL	[redacted]	Sample		ethanol quant.M
22	39001LL		Sample		ethanol quant.M
23	38401JP		Sample		ethanol quant.M
24	38401JP		Sample		ethanol quant.M
25	1411527		Sample		ethanol quant.M
26	1411527		Sample		ethanol quant.M
27	1440869		Sample		ethanol quant.M
28	1440869		Sample		ethanol quant.M
29	1441326		Sample		ethanol quant.M
30	1441326		Sample		ethanol quant.M
31	11092018-A	0.400	Control		ethanol quant.M
32	14082019-B	0.040	Control		ethanol quant.M
33	4110320133/8	0.199	Control		ethanol quant.M
34	101921WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory
Summary of Cases

BB

SEQUENCE NAME: 18Oct22 ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1064	0.1059	0.10615	0.24	0.00025
12 13	0.1357	0.1402	0.13795	1.63	0.00225
14 15	0.2127	0.2129	0.21280	0.05	0.00010
16 17	0.3745	0.3807	0.37760	0.82	0.00310
18 19	0.1999	0.1987	0.19930	0.30	0.00060
21 22	0.1379	0.1381	0.13800	0.07	0.00010
23 24	0.1959	0.1990	0.19745	0.79	0.00155
25 26	0.1991	0.2007	0.19990	0.40	0.00080
27 28	0.2635	0.2619	0.26270	0.30	0.00080
29 30	0.1891	0.1906	0.18985	0.40	0.00075

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

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Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

RB

ANALYST: Brooke **SEQUENCE:** 18Oct22

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	31801GM	31801GM	31801GM	Yes
Vials 12 and 13	40501EM	40501EM	40501EM	Yes
Vials 14 and 15	40801RV	40801RV	40801RV	Yes
Vials 16 and 17	40501JG	40501JG	40501JG	Yes
Vials 18 and 19	39001KK	39001KK	39001KK	Yes
Vials 21 and 22	39001LL	39001LL	39001LL	Yes
Vials 23 and 24	38401JP	38401JP	38401JP	Yes
Vials 25 and 26	1411527	1411527	1411527	Yes
Vials 27 and 28	1440869	1440869	1440869	Yes
Vials 29 and 30	1441326	1441326	1441326	Yes

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[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31801GM	**Vial:**	10
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 1:52:03 PM
Data file:	C:\Chem32\1\Data\18Oct22\10.D	**Analyst:**	Brooke

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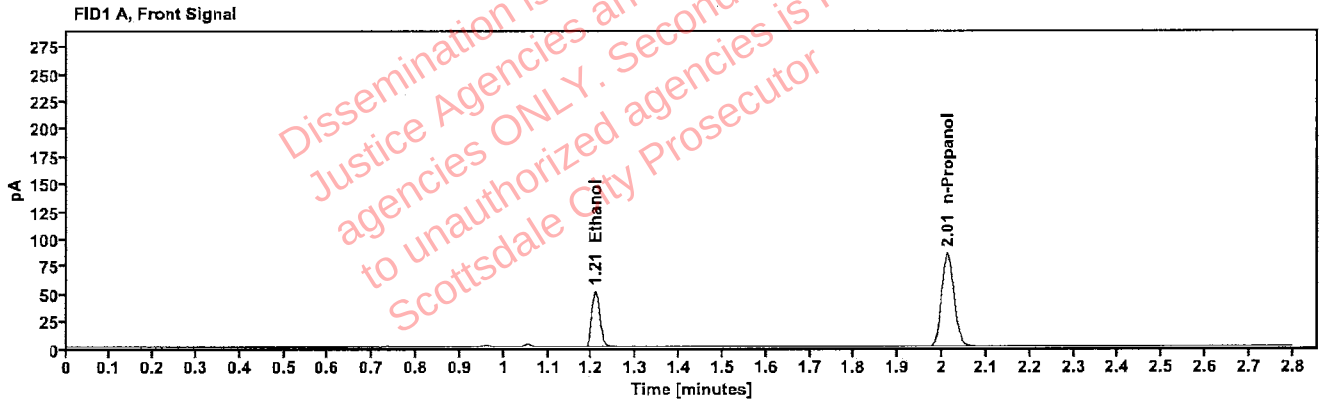

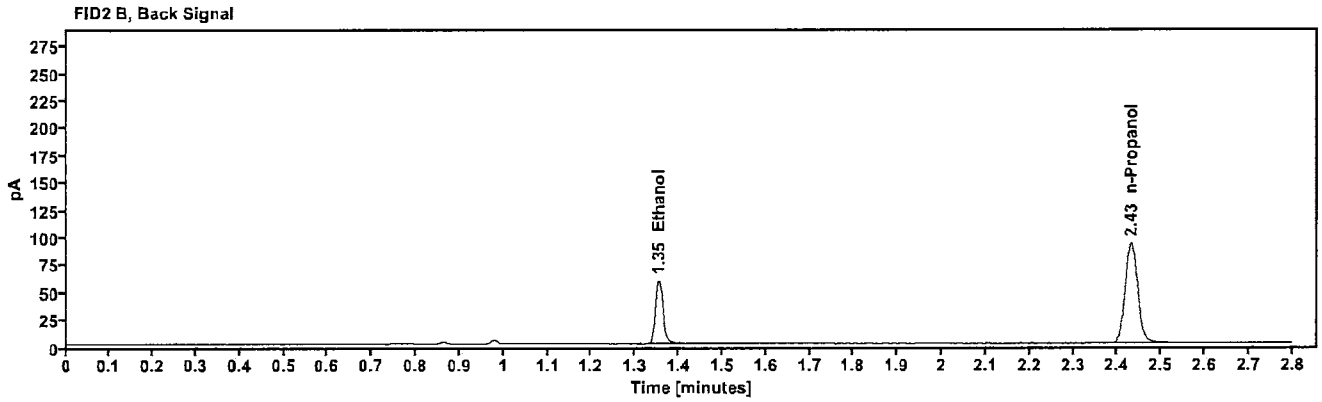

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1064	1.208	64.444
n-Propanol	-----	2.012	170.010

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

Compound	Time (min)	Peak Area
Ethanol	1.353	70.152
n-Propanol	2.430	184.432

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31801GM	**Vial:**	11
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 1:56:04 PM
Data file:	C:\Chem32\1\Data\18Oct22\11.D	**Analyst:**	Brooke

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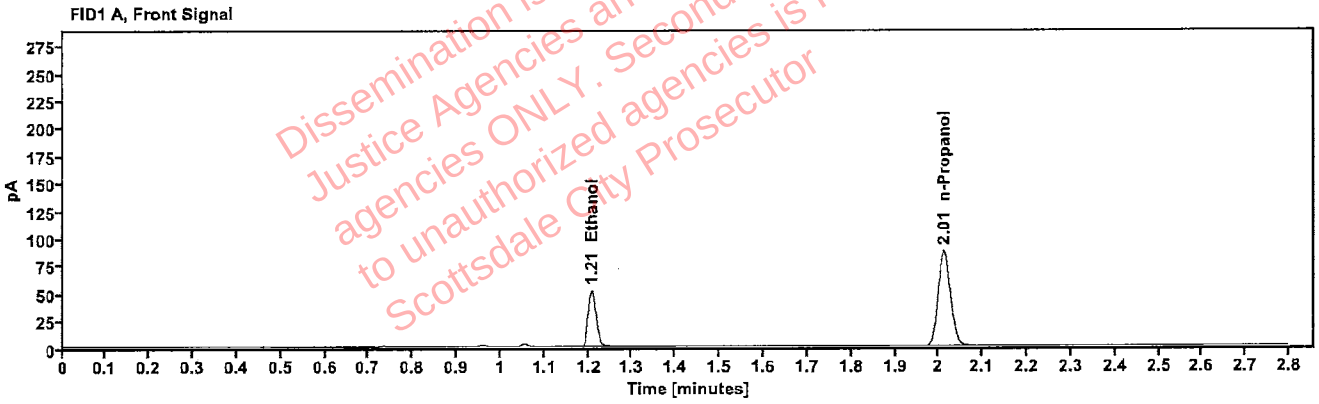

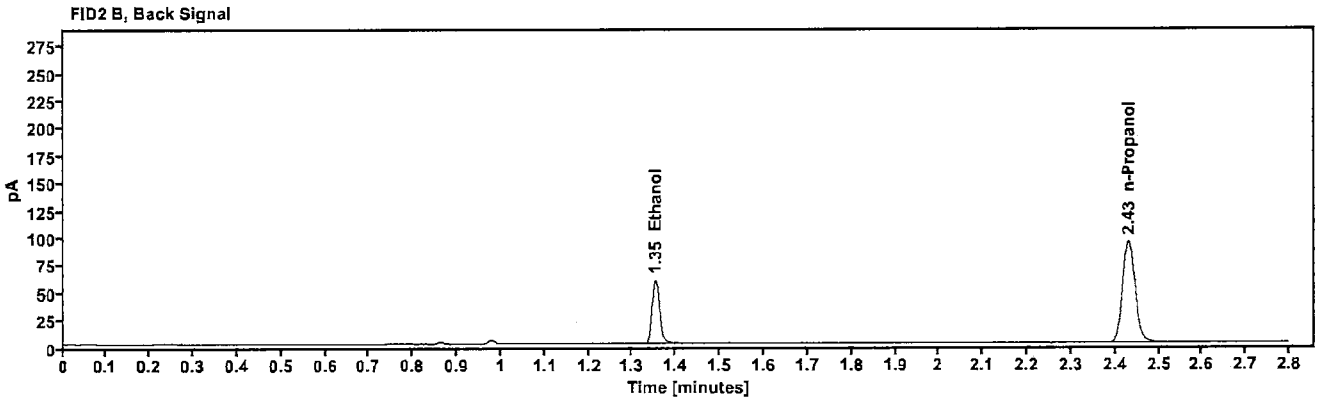

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1059	1.208	65.217
n-Propanol	------	2.012	172.819

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

Compound	Time (min)	Peak Area
Ethanol	1.353	70.971
n-Propanol	2.430	187.656

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case:[redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501EM	**Vial:**	12
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:00:03 PM
Data file:	C:\Chem32\1\Data\18Oct22\12.D	**Analyst:**	Brooke

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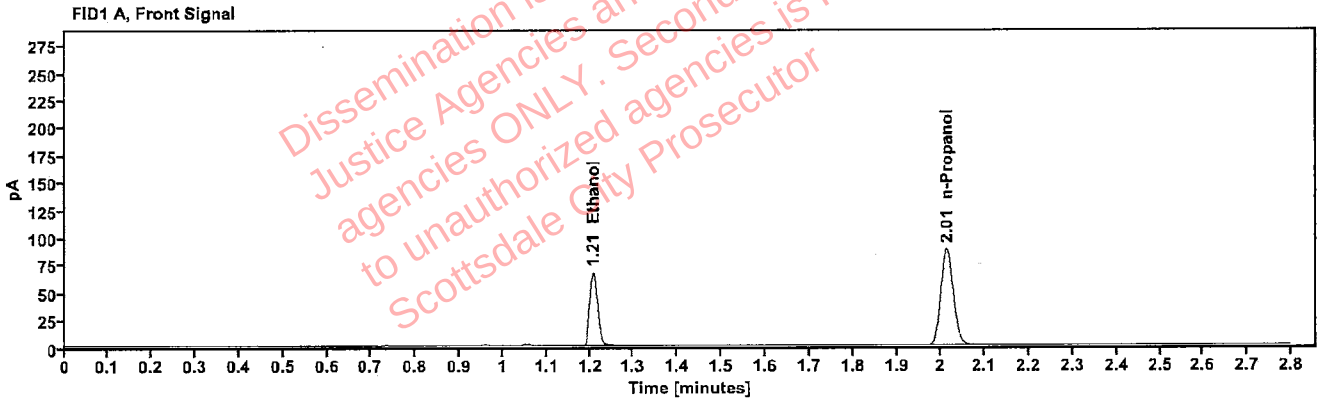

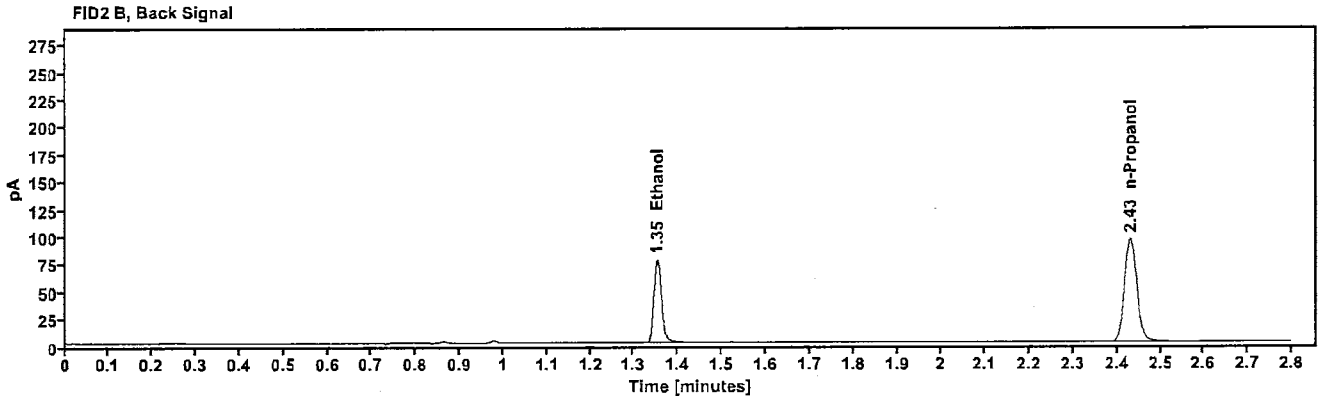

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1357	1.208	84.766
n-Propanol	-----	2.013	175.094

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

Compound	Time (min)	Peak Area
Ethanol	1.353	92.597
n-Propanol	2.431	189.232

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501EM	**Vial:**	13
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:04:19 PM
Data file:	C:\Chem32\1\Data\18Oct22\13.D	**Analyst:**	Brooke

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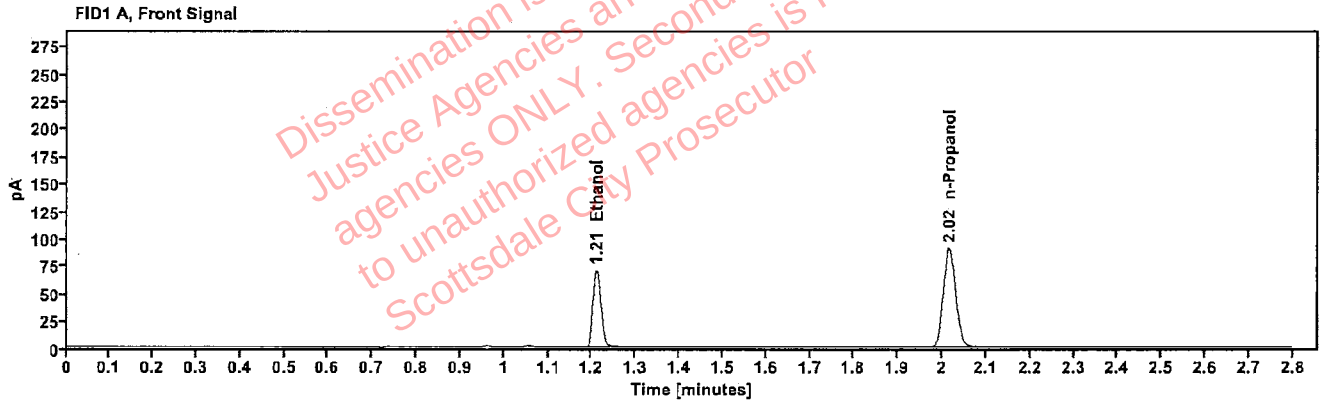

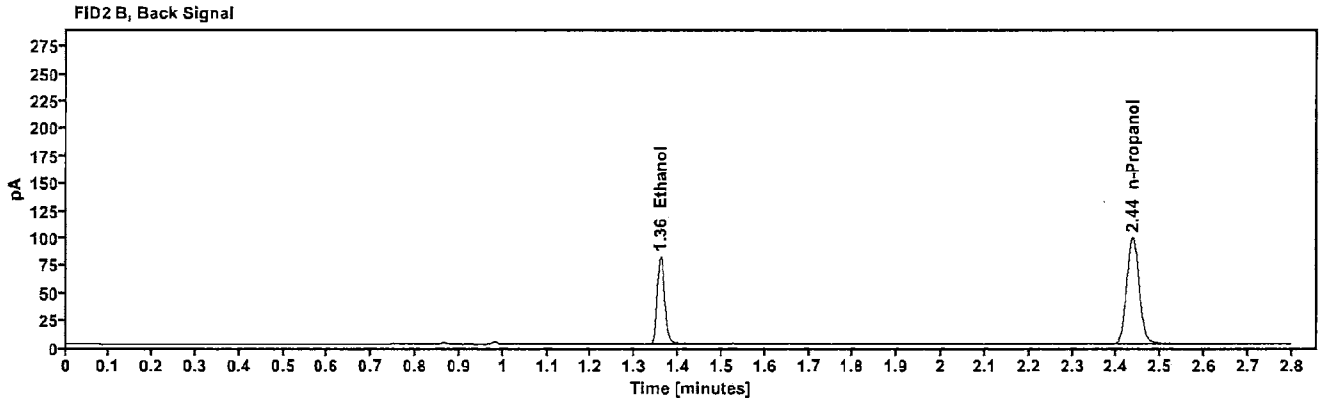

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1402	1.211	90.025
n-Propanol	------	2.016	179.887

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

Compound	Time (min)	Peak Area
Ethanol	1.358	97.932
n-Propanol	2.436	194.135

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40801RV	**Vial:**	14
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:08:19 PM
Data file:	C:\Chem32\1\Data\18Oct22\14.D	**Analyst:**	Brooke

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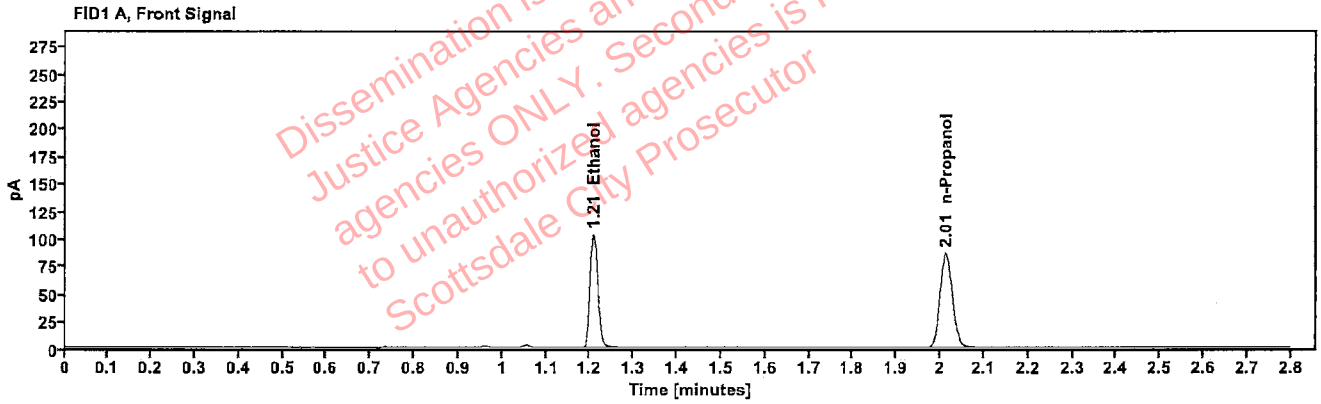

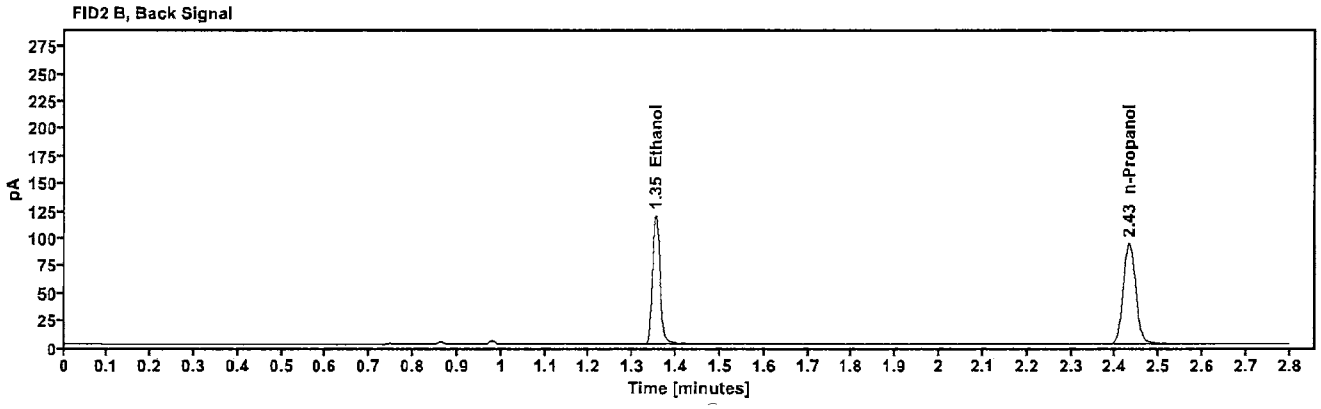

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2127	1.207	130.282
n-Propanol	-----	2.013	171.303

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

Compound	Time (min)	Peak Area
Ethanol	1.353	142.687
n-Propanol	2.431	185.276

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40801RV	**Vial:**	15
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:12:18 PM
Data file:	C:\Chem32\1\Data\18Oct22\15.D	**Analyst:**	Brooke

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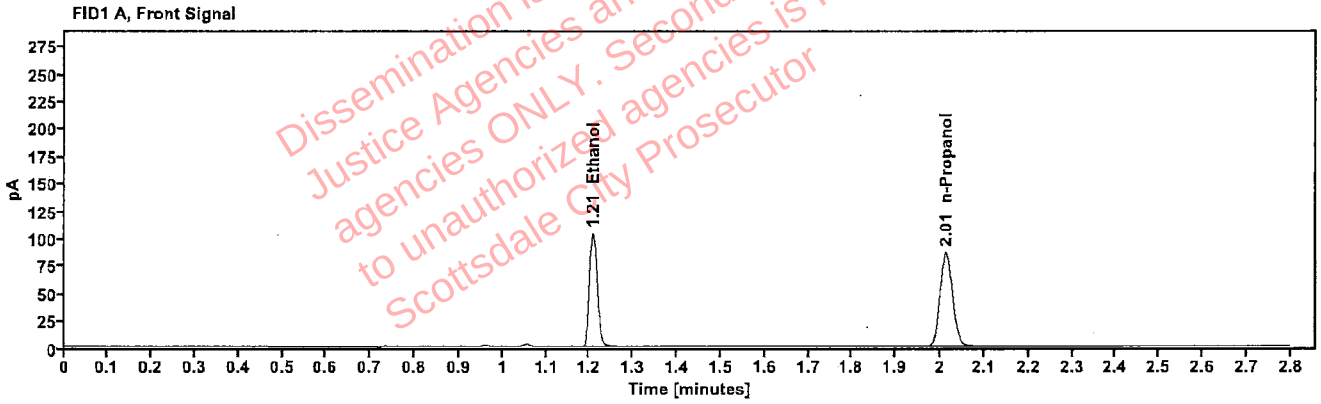

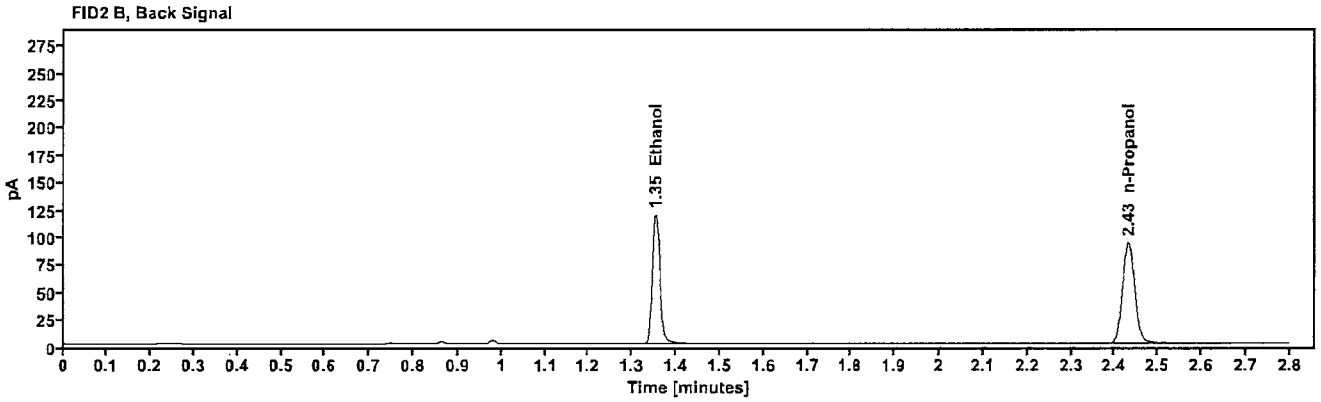

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2129	1.207	130.876
n-Propanol	------	2.013	171.954

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

Compound	Time (min)	Peak Area
Ethanol	1.353	143.385
n-Propanol	2.431	185.815

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501JG	**Vial:**	16
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:16:19 PM
Data file:	C:\Chem32\1\Data\18Oct22\16.D	**Analyst:**	Brooke

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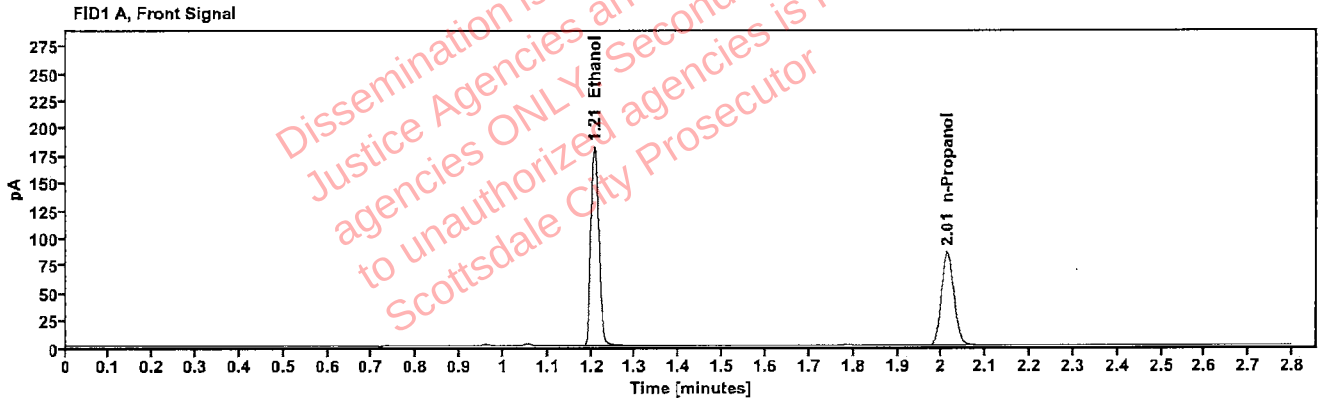

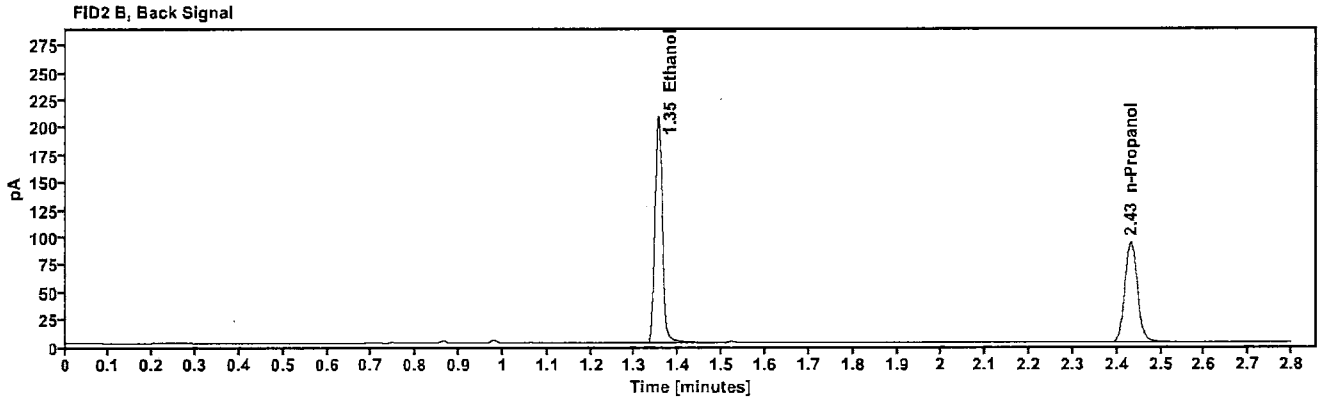

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3745	1.207	228.503
n-Propanol	------	2.013	170.415

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

Compound	Time (min)	Peak Area
Ethanol	1.353	251.216
n-Propanol	2.431	184.030

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	40501JG	**Vial:**	17
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:20:18 PM
Data file:	C:\Chem32\1\Data\18Oct22\17.D	**Analyst:**	Brooke

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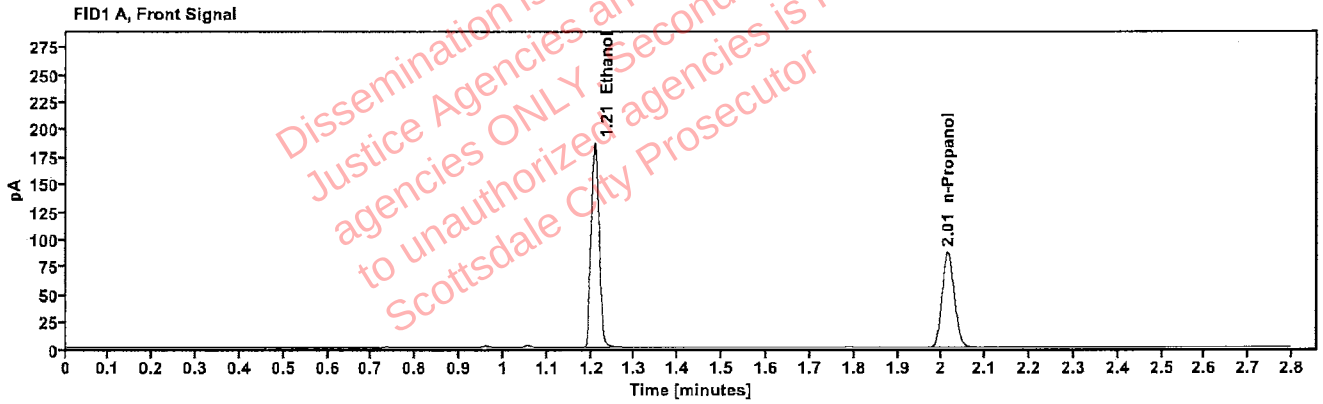

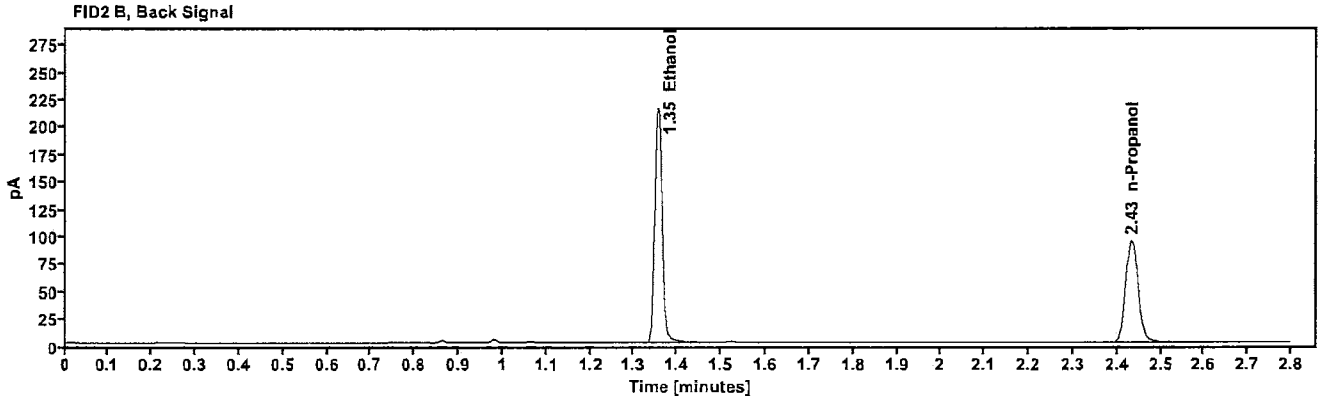

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3807	1.208	235.470
n-Propanol	------	2.014	172.759

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

Compound	Time (min)	Peak Area
Ethanol	1.355	258.586
n-Propanol	2.433	186.721

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001KK	**Vial:**	18
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:24:19 PM
Data file:	C:\Chem32\1\Data\18Oct22\18.D	**Analyst:**	Brooke

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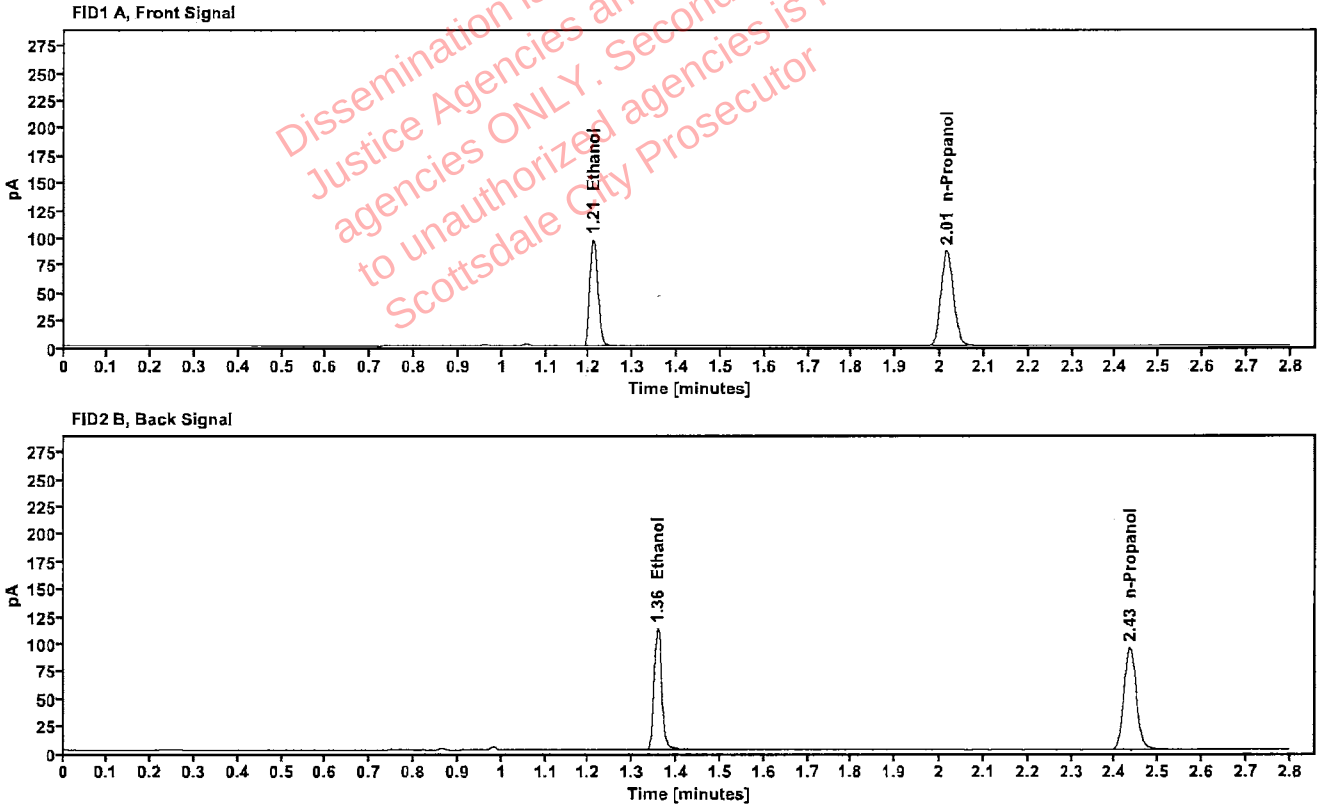

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1999	1.209	123.783
n-Propanol	-----	2.015	173.230

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

Compound	Time (min)	Peak Area
Ethanol	1.357	135.565
n-Propanol	2.434	187.349

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001KK	**Vial:**	19
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:28:33 PM
Data file:	C:\Chem32\1\Data\18Oct22\19.D	**Analyst:**	Brooke

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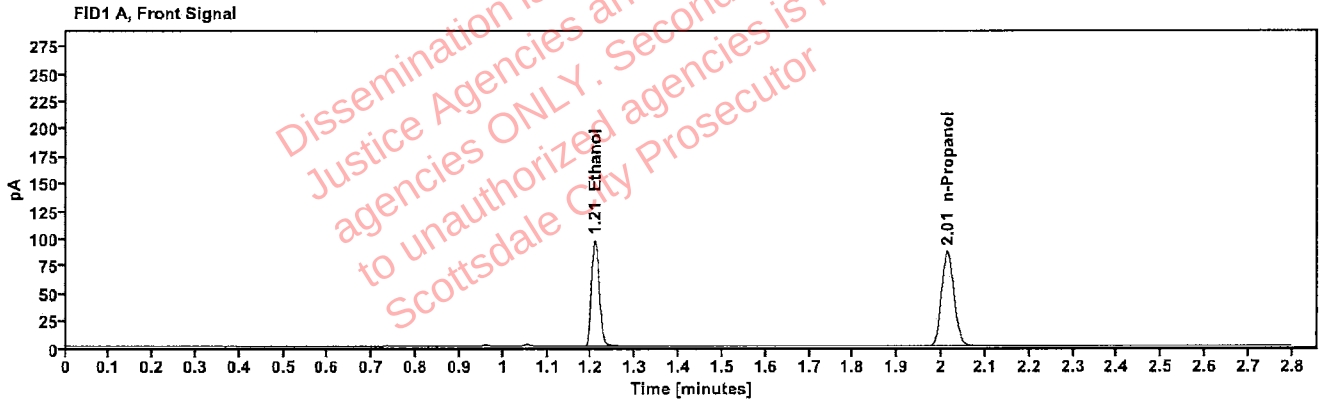

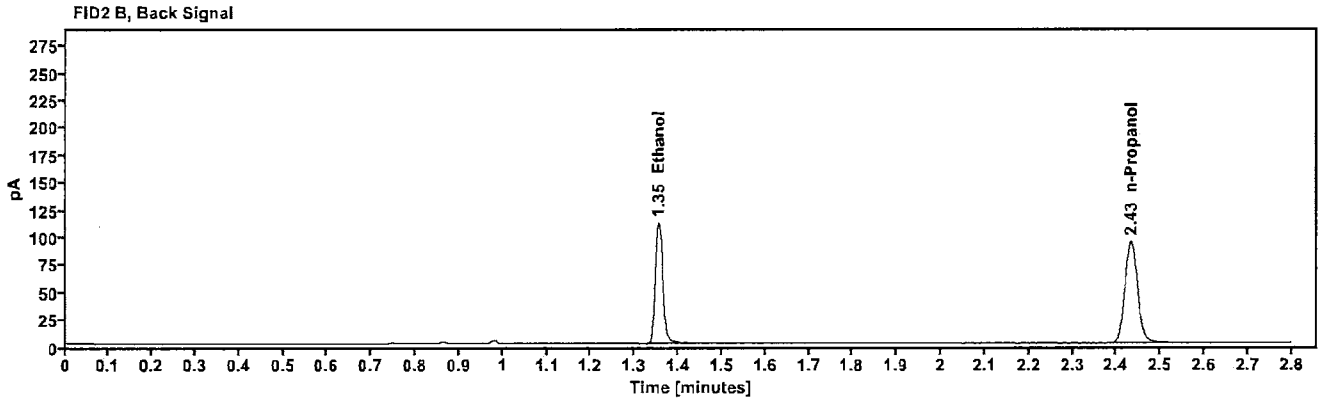

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1987	1.208	122.574
n-Propanol	------	2.013	172.636

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

Compound	Time (min)	Peak Area
Ethanol	1.354	134.418
n-Propanol	2.432	186.561

[redacted] Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001LL	**Vial:**	21
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:36:33 PM
Data file:	C:\Chem32\1\Data\18Oct22\21.D	**Analyst:**	Brooke

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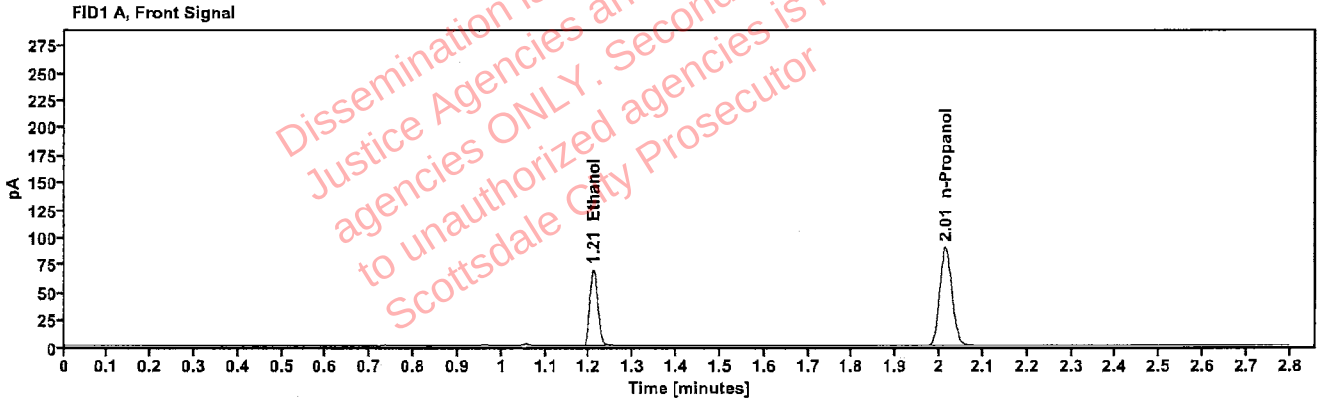

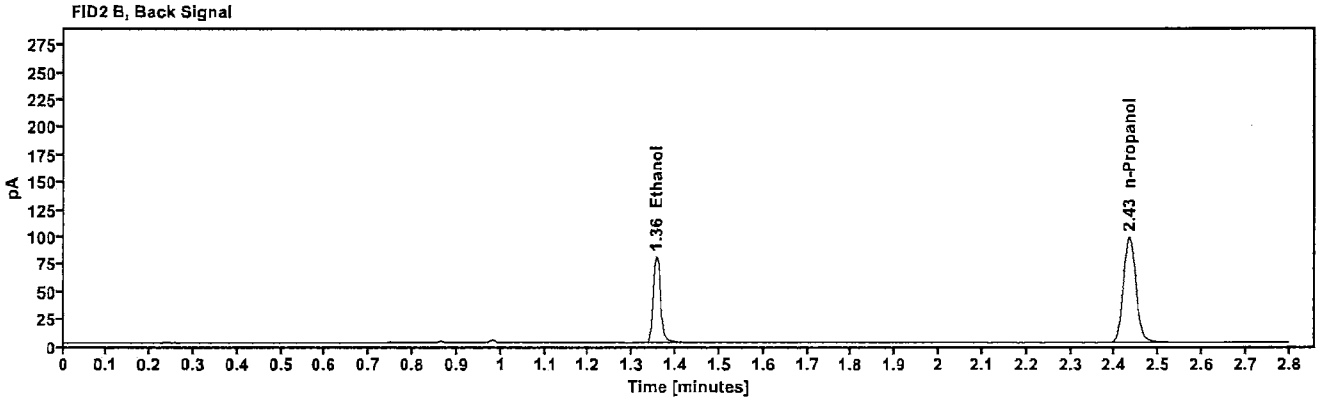

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1379	1.209	87.951
n-Propanol	------	2.014	178.799

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

Compound	Time (min)	Peak Area
Ethanol	1.355	95.605
n-Propanol	2.433	193.456

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	39001LL	**Vial:**	22
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:40:34 PM
Data file:	C:\Chem32\1\Data\18Oct22\22.D	**Analyst:**	Brooke

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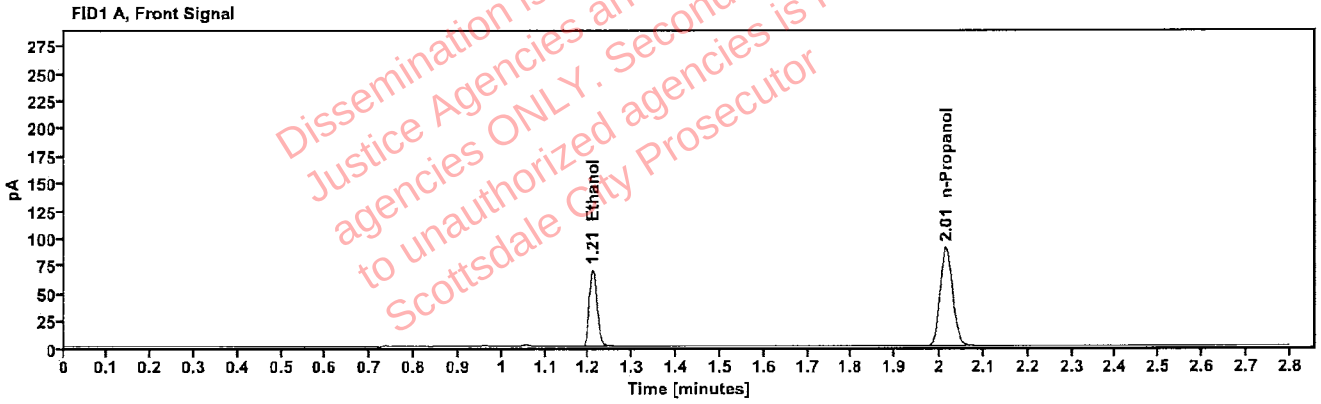

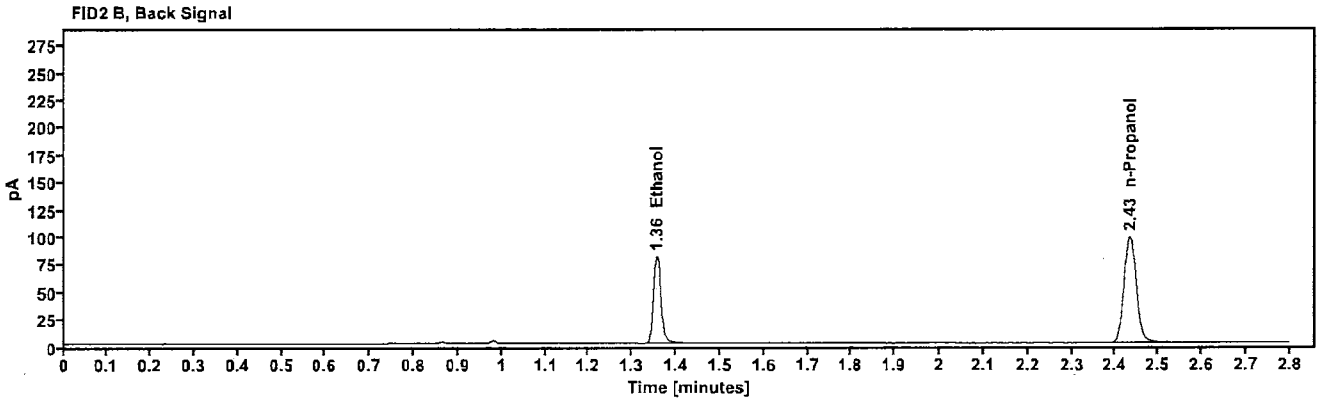

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1381	1.209	88.455
n-Propanol	-----	2.014	179.540

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

Compound	Time (min)	Peak Area
Ethanol	1.356	96.450
n-Propanol	2.433	194.085

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401JP	**Vial:**	23
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:44:33 PM
Data file:	C:\Chem32\1\Data\18Oct22\23.D	**Analyst:**	Brooke

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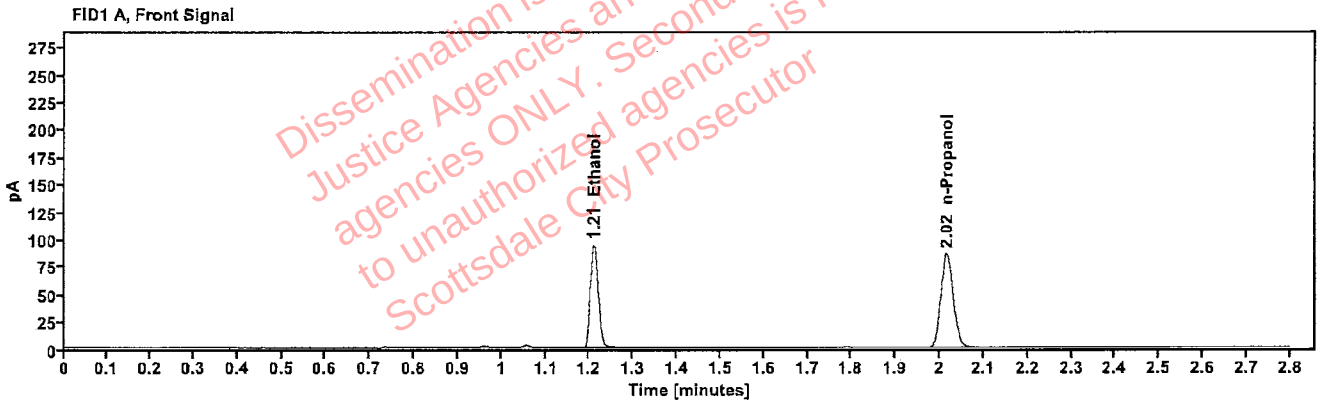

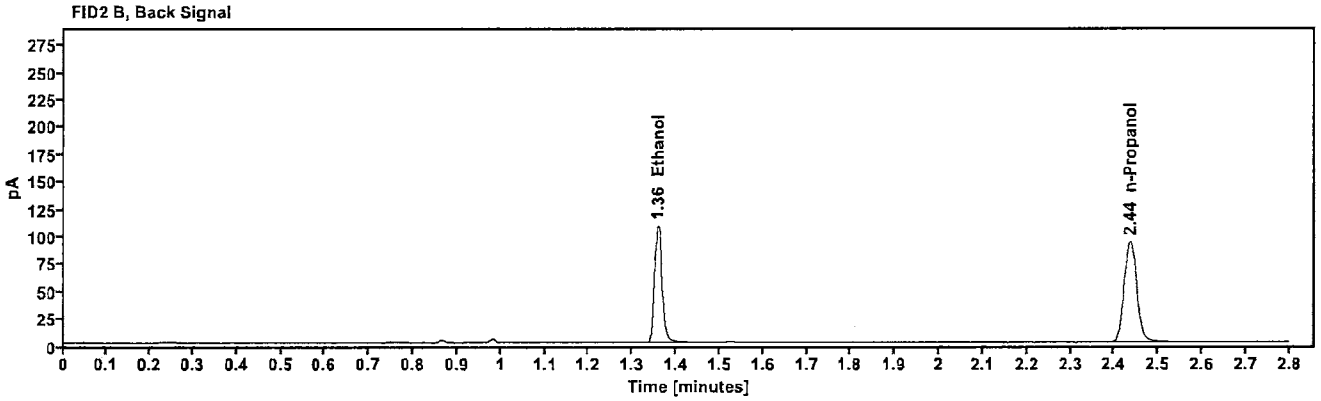

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1959	1.210	119.808
n-Propanol	-----	2.016	171.119

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

Compound	Time (min)	Peak Area
Ethanol	1.358	131.298
n-Propanol	2.435	185.101

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	38401JP	**Vial:**	24
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:48:34 PM
Data file:	C:\Chem32\1\Data\18Oct22\24.D	**Analyst:**	Brooke

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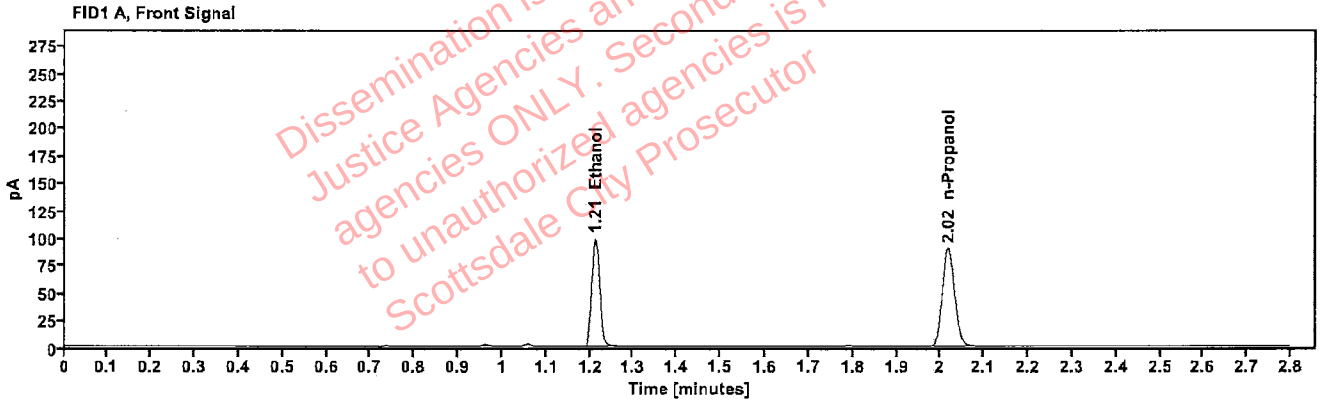

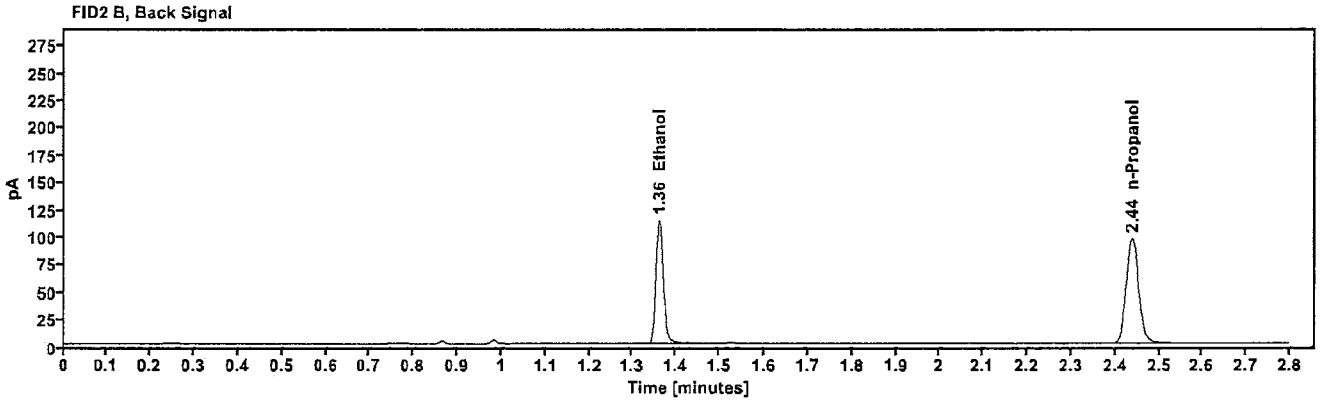

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1990	1.212	126.507
n-Propanol	------	2.017	177.913

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

Compound	Time (min)	Peak Area
Ethanol	1.361	138.771
n-Propanol	2.438	192.279

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1411527	**Vial:**	25
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:52:48 PM
Data file:	C:\Chem32\1\Data\18Oct22\25.D	**Analyst:**	Brooke

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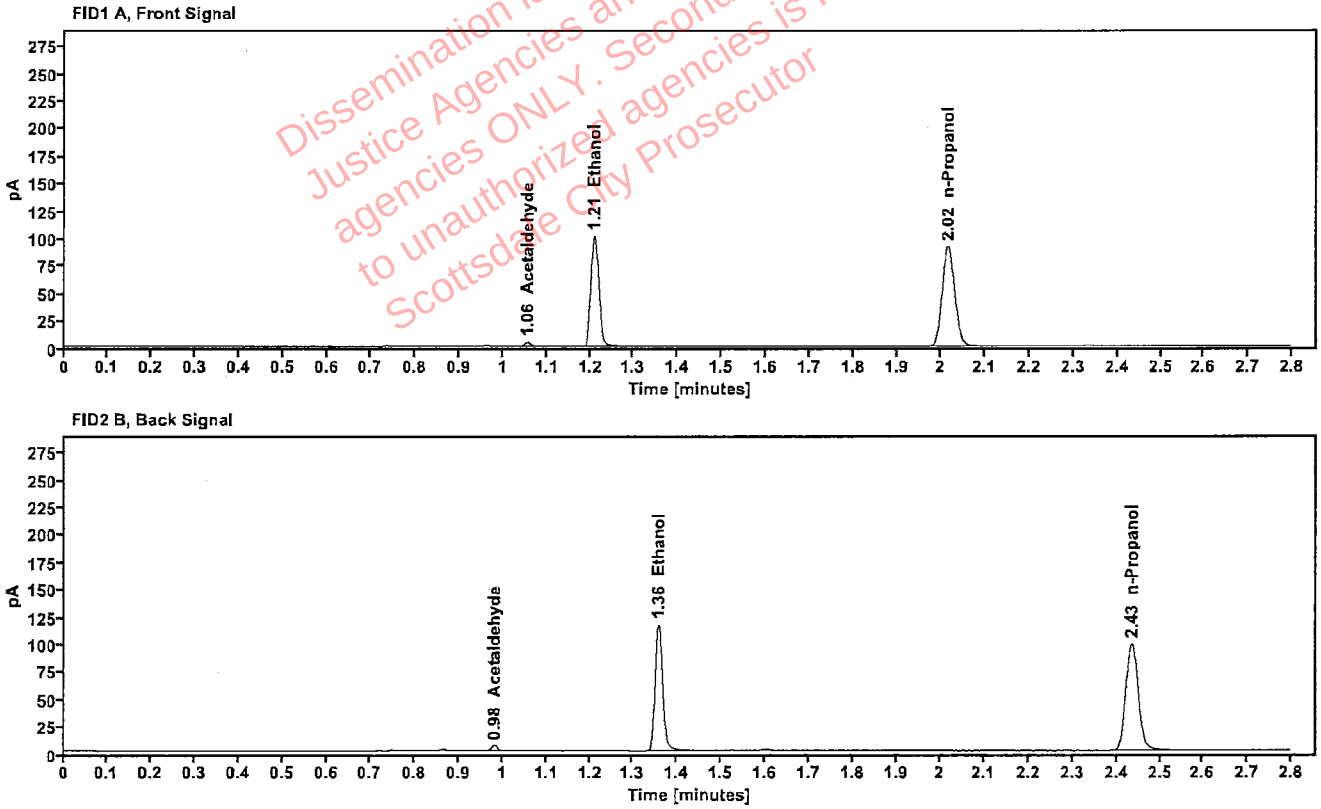

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.121
>Ethanol	0.1991	1.210	129.235
n-Propanol	-----	2.015	181.602

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.615
Ethanol	1.357	141.188
n-Propanol	2.435	197.088

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1411527	**Vial:**	26
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 2:56:49 PM
Data file:	C:\Chem32\1\Data\18Oct22\26.D	**Analyst:**	Brooke

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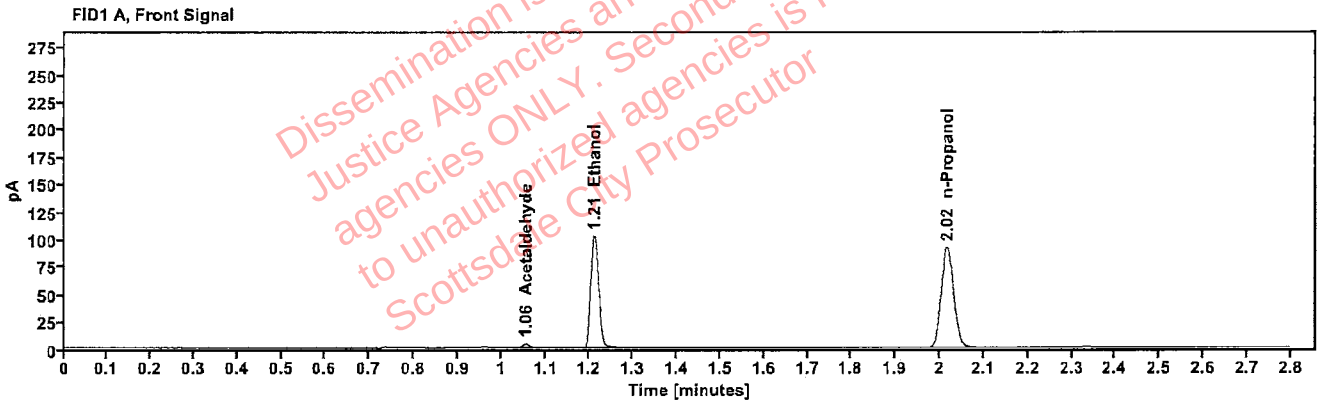

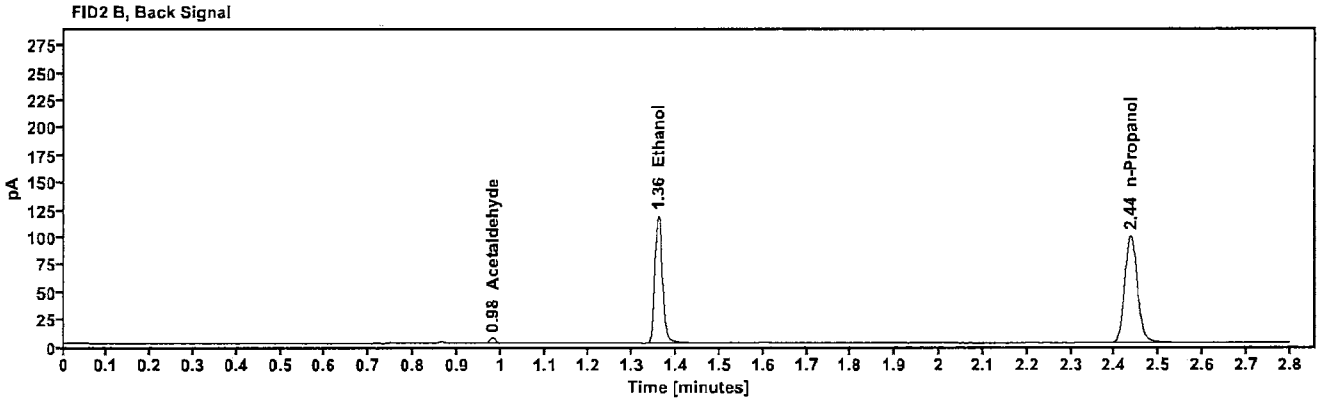

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.056	4.041
>Ethanol	0.2007	1.211	130.796
n-Propanol	------	2.016	182.339

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.981	4.477
Ethanol	1.359	144.456
n-Propanol	2.436	197.842

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440869	**Vial:**	27
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:00:48 PM
Data file:	C:\Chem32\1\Data\18Oct22\27.D	**Analyst:**	Brooke

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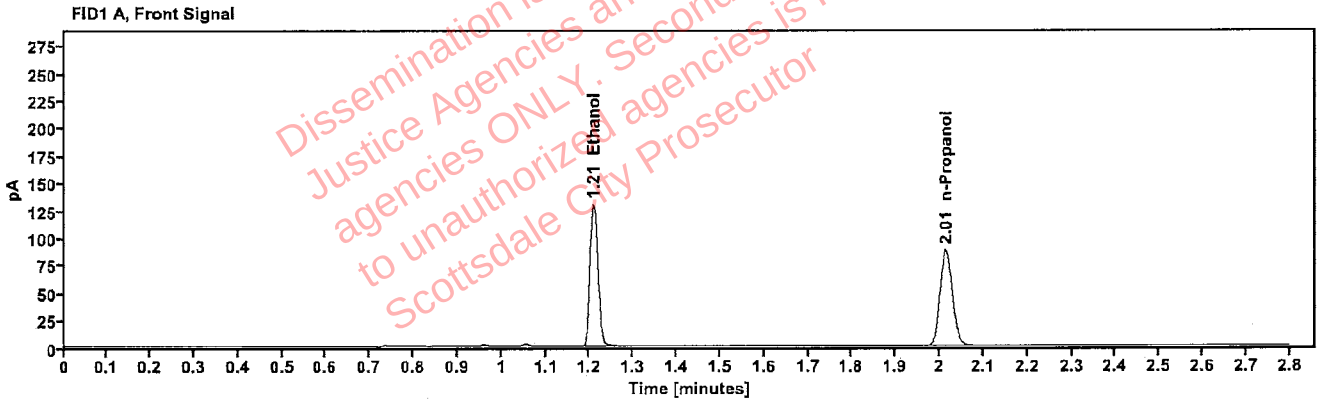

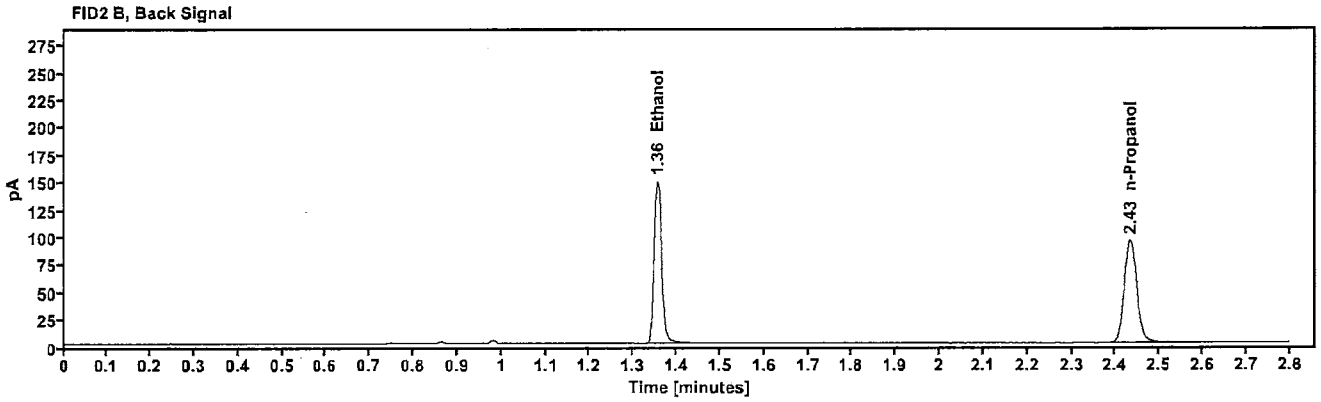

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2635	1.209	164.543
n-Propanol	------	2.014	174.552

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

Compound	Time (min)	Peak Area
Ethanol	1.356	180.651
n-Propanol	2.433	188.512

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1440869	**Vial:**	28
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:04:49 PM
Data file:	C:\Chem32\1\Data\18Oct22\28.D	**Analyst:**	Brooke

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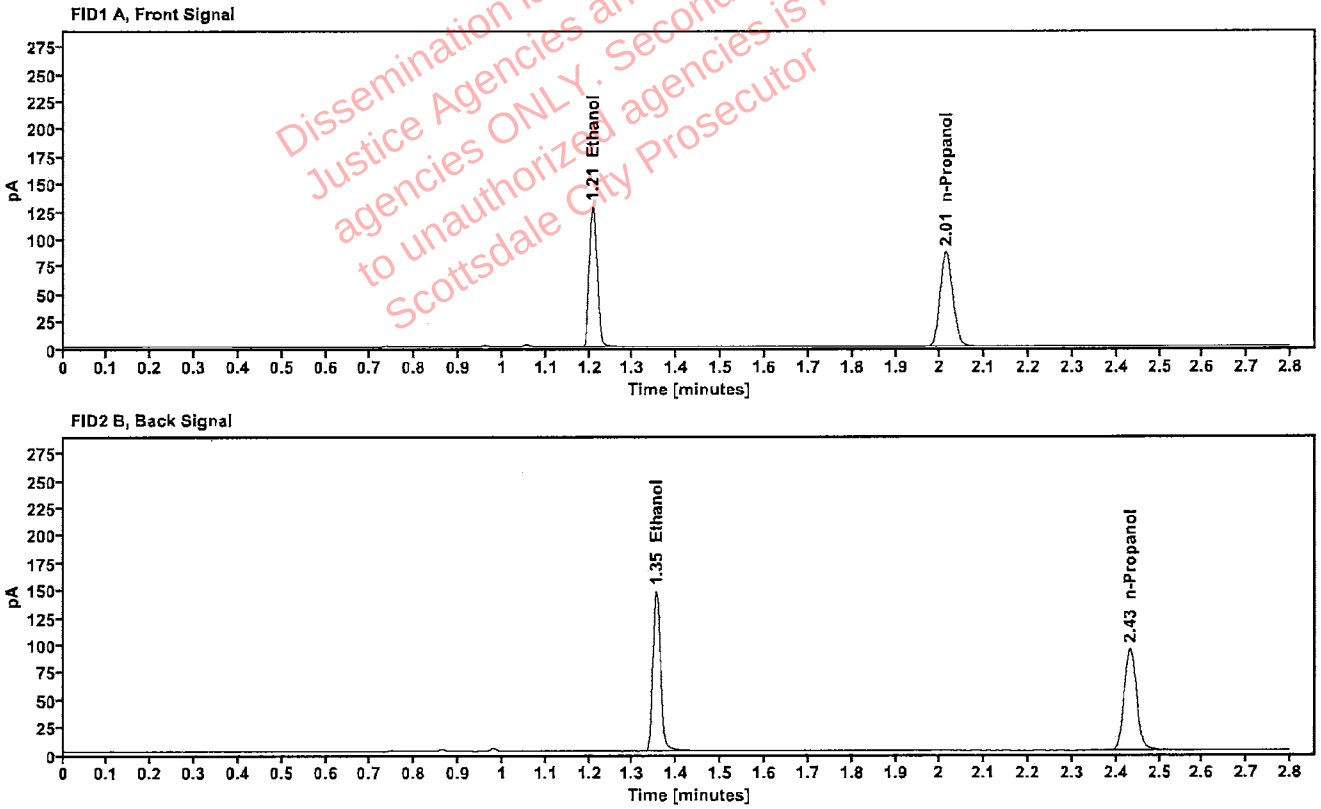

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2619	1.208	161.654
n-Propanol	------	2.013	172.545

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

Compound	Time (min)	Peak Area
Ethanol	1.354	177.472
n-Propanol	2.432	186.441

[redacted] **Brooke, Phillip - (19-Oct-2022)**

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1441326	**Vial:**	29
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:08:48 PM
Data file:	C:\Chem32\1\Data\18Oct22\29.D	**Analyst:**	Brooke

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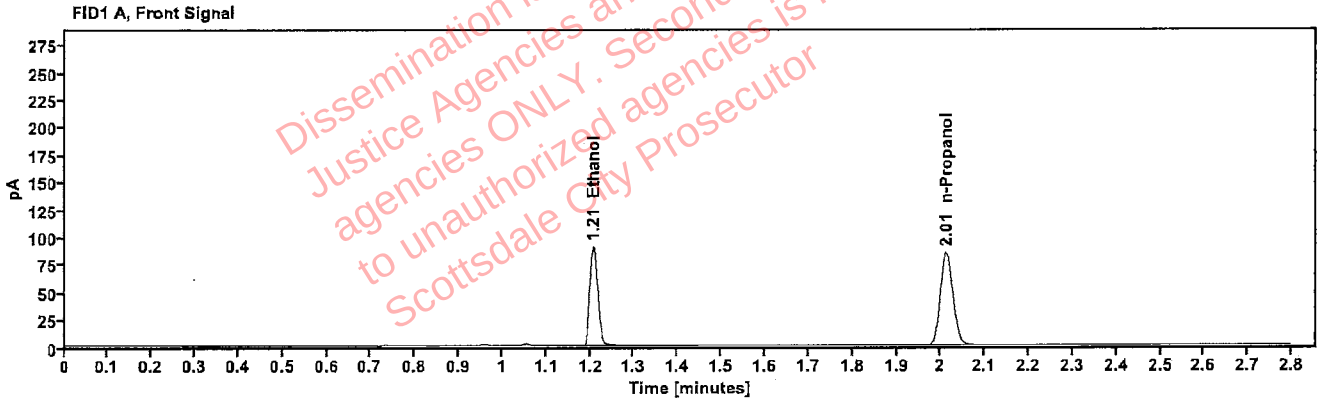

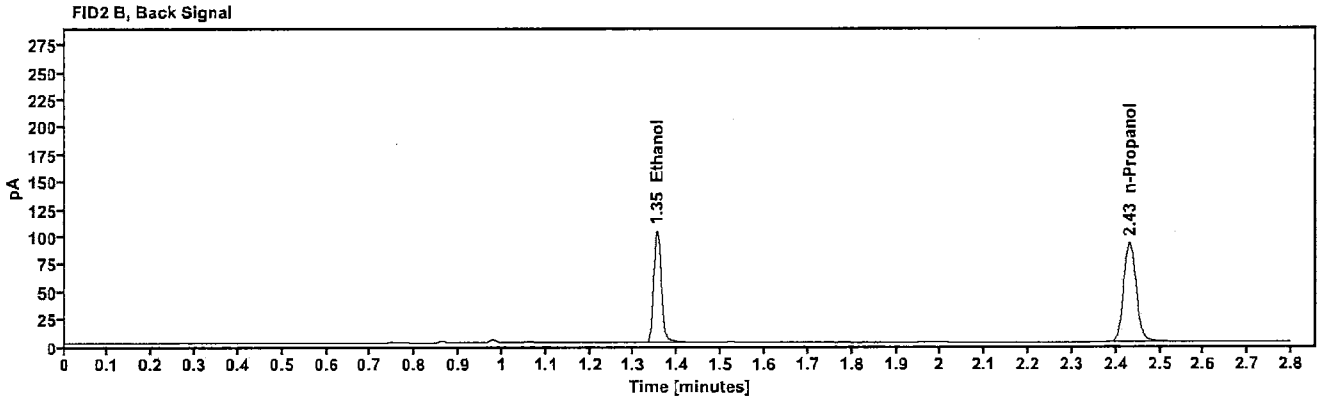

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1891	1.207	113.889
n-Propanol	------	2.013	168.561

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

Compound	Time (min)	Peak Area
Ethanol	1.353	124.407
n-Propanol	2.431	182.611

[redacted]: Brooke, Phillip - (19-Oct-2022)

Case: [redacted] User: pbrooke 10/19/2022

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1441326	**Vial:**	30
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	18Oct22
Instrument:	US14173023 CN14160045	**Injection date:**	10/18/2022 3:12:49 PM
Data file:	C:\Chem32\1\Data\18Oct22\30.D	**Analyst:**	Brooke

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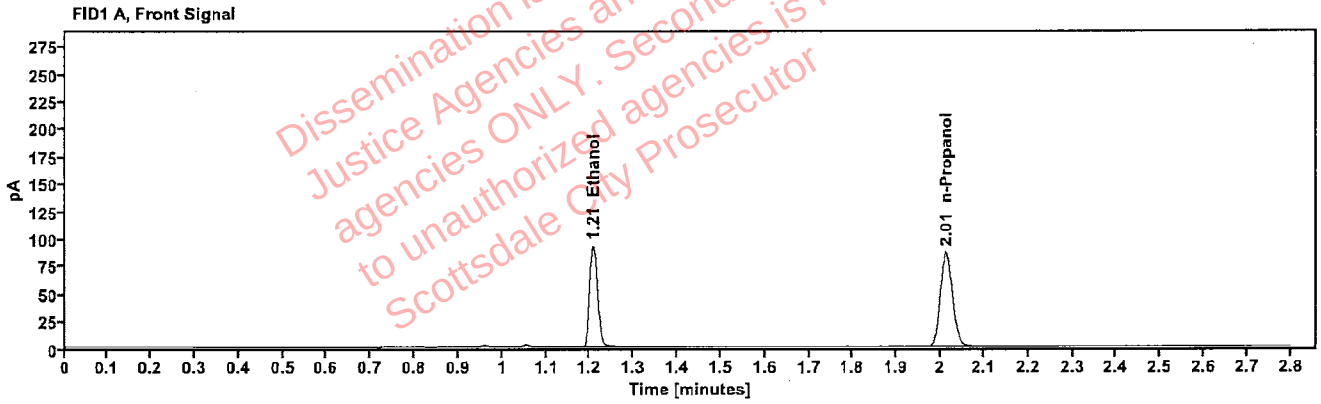

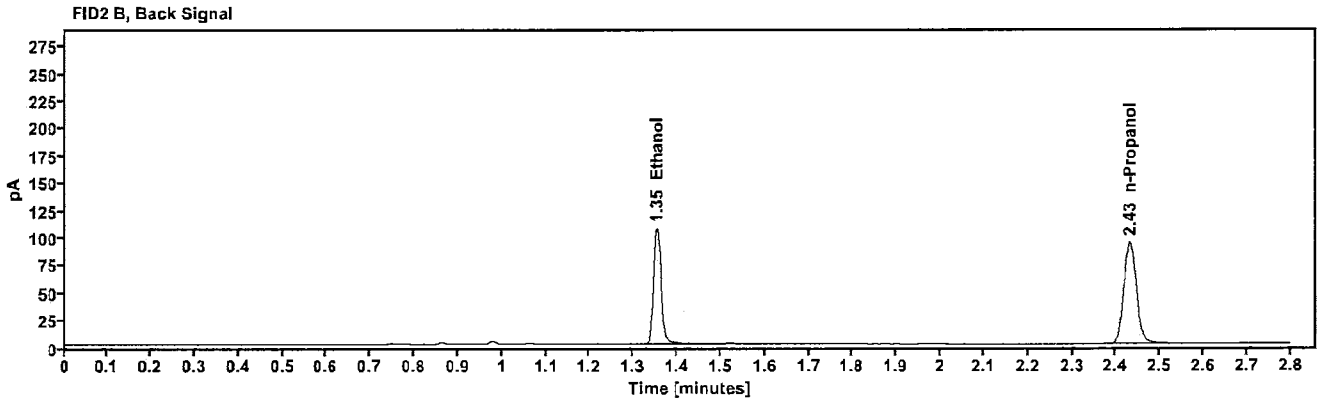

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1906	1.207	117.313
n-Propanol	------	2.013	172.252

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

Compound	Time (min)	Peak Area
Ethanol	1.353	128.685
n-Propanol	2.431	186.619