

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 09/08/2021 SEQUENCE NAME 08Sep21

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN06141806 Coefficient of determination (r^2)
 Vial 2 0.10 calibrator Lot FN05311902 0.99999
 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 071521AQ
6	Volatiles mixture	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	0.200 g/dL	0.201 g/dL	ACQ 4101018274/9

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 15

ADDITIONAL NOTES: The run stopped at vial 11 since vial 17 would not load into the oven. There was a sticky residue on vial 17.

Run valid Run invalid
 Analyst: Eike Canonico Run valid Run invalid
 Technical Reviewer: _____

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

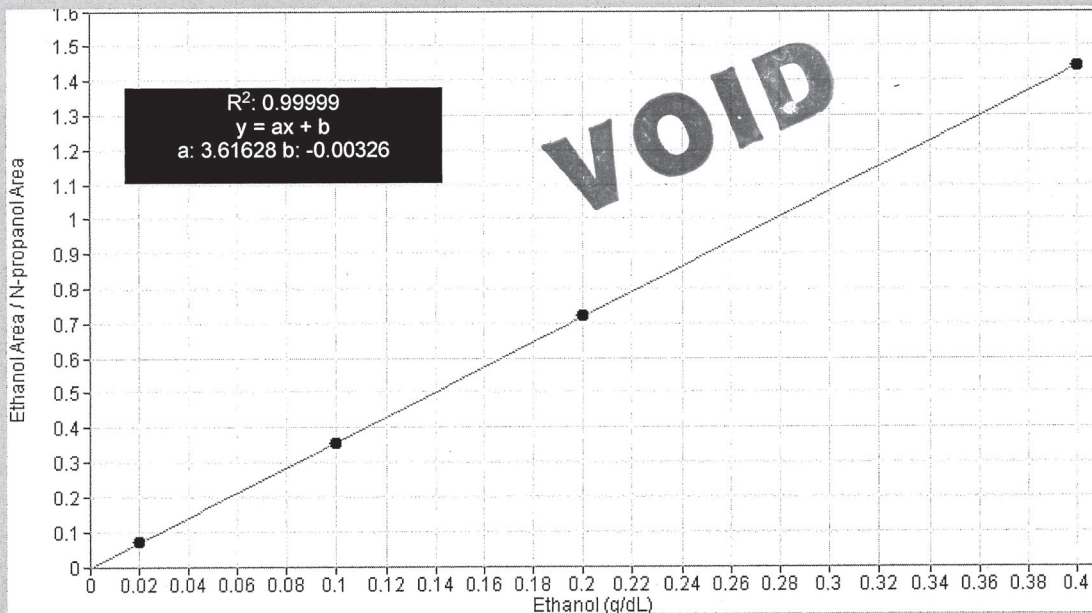
SEQUENCE NAME: 08Sep21

ANALYST: Canonico

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 071521AQ	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
0.200 4101018274/9	9	0.201	0.200	0.50	0.001
0.080 20012020-B	20	-	0.080	-	-
0.200 4101018274/9	31	-	0.200	-	-
0.080 20012020-B	42	-	0.080	-	-
0.400 11092018-A	51	-	0.400	-	-
0.040 14082019-B	52	-	0.040	-	-
0.200 4101018274/9	53	-	0.200	-	-
blank 111020WB	54	-	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.818	170.070	0.070
0.100	60.493	169.674	0.357
0.200	123.480	171.038	0.722
0.400	245.191	169.952	1.443

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN06141806	Vial:	1
Description:	0.020 calibrator	Sequence:	08Sep21
Method:	ethanol quant.M	Injection date:	9/8/2021 12:08:46 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico
Data file:	C:\Chem32\1\Data\08Sep21\1.D		

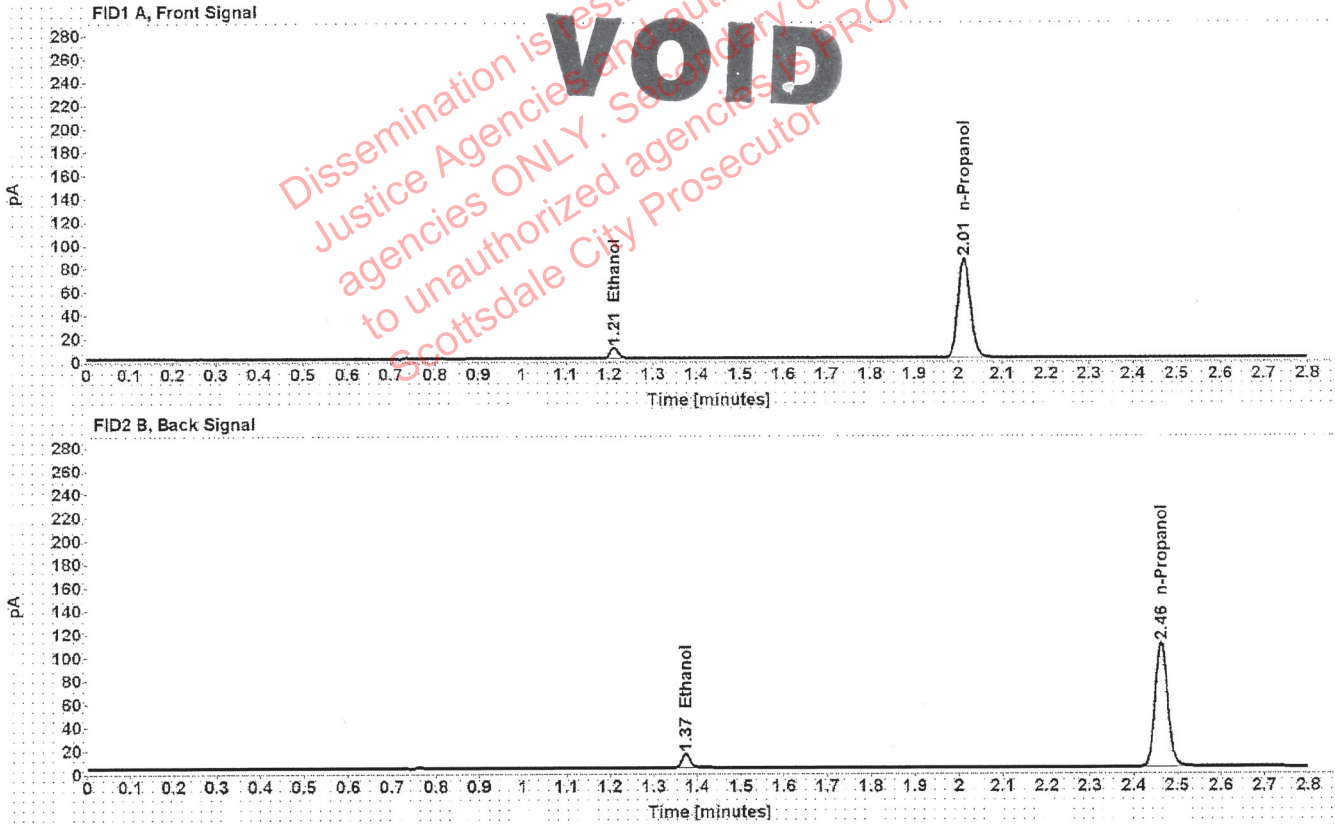


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.818
n-Propanol	2.014	170.070

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

Compound	Time (min)	Peak Area
Ethanol	1.373	14.917
n-Propanol	2.463	213.717

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN05311902	Vial:	2
Description:	0.100 calibrator	Sequence:	08Sep21
Method:	ethanol quant.M	Injection date:	9/8/2021 12:12:47 PM
Instrument:	US14173023 CN14160045	Analyst:	Canonico
Data file:	C:\Chem32\1\Data\08Sep21\2.D		

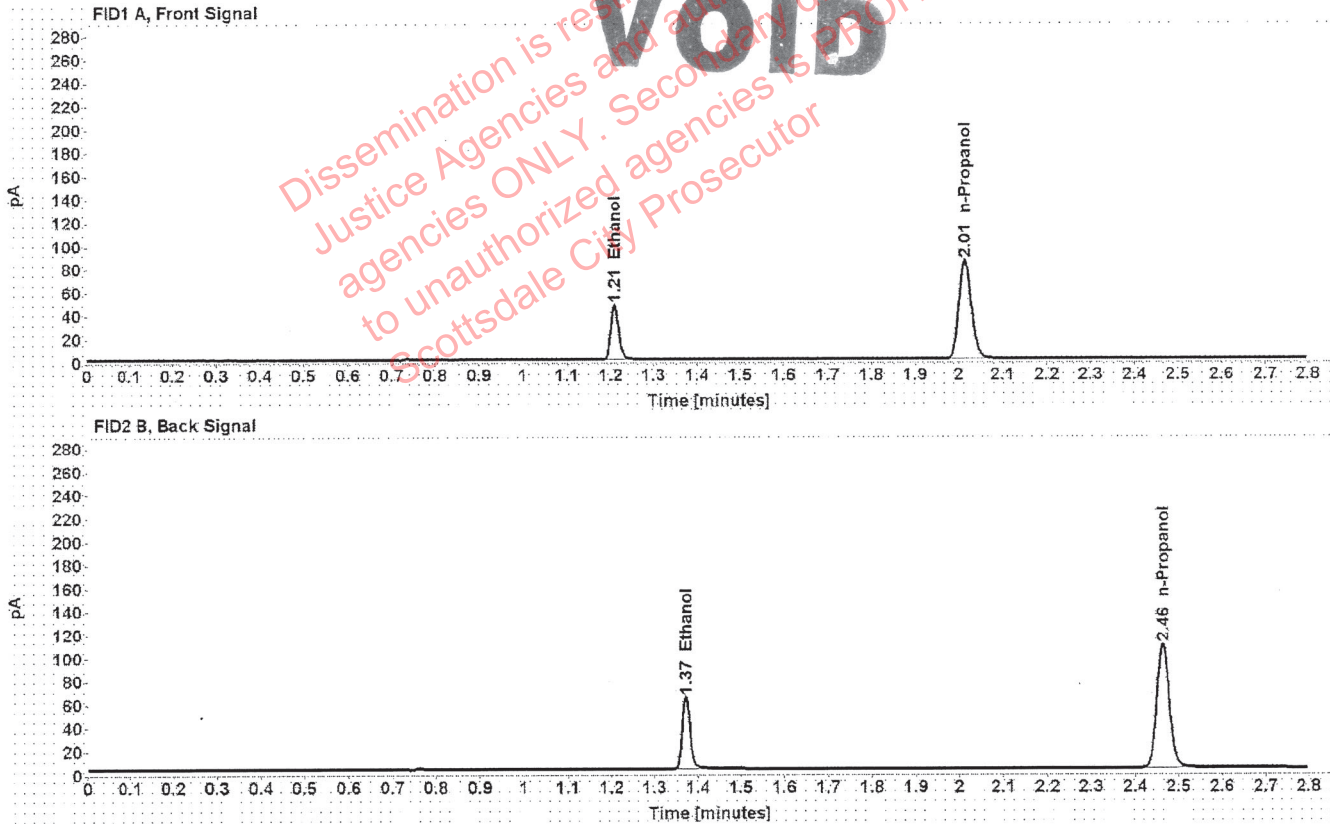


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	60.493
n-Propanol	2.014	169.674

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

Compound	Time (min)	Peak Area
Ethanol	1.372	76.206
n-Propanol	2.464	212.892

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05101903	Vial: 3
Description: 0.200 calibrator	Sequence: 08Sep21
Method: ethanol quant.M	Injection date: 9/8/2021 12:16:46 PM
Instrument: US14173023 CN14160045	Analyst: Canonico
Data file: C:\Chem32\1\Data\08Sep21\3.D	

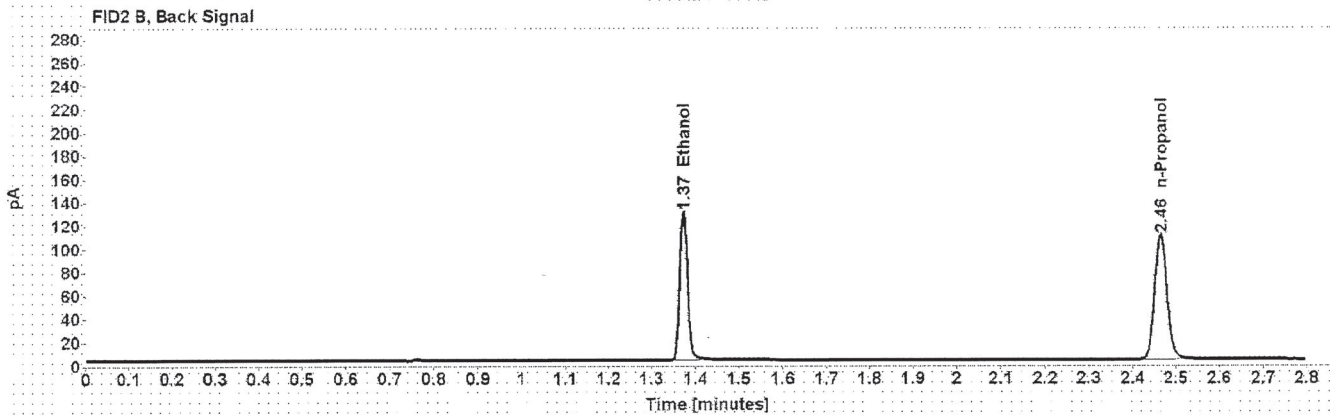
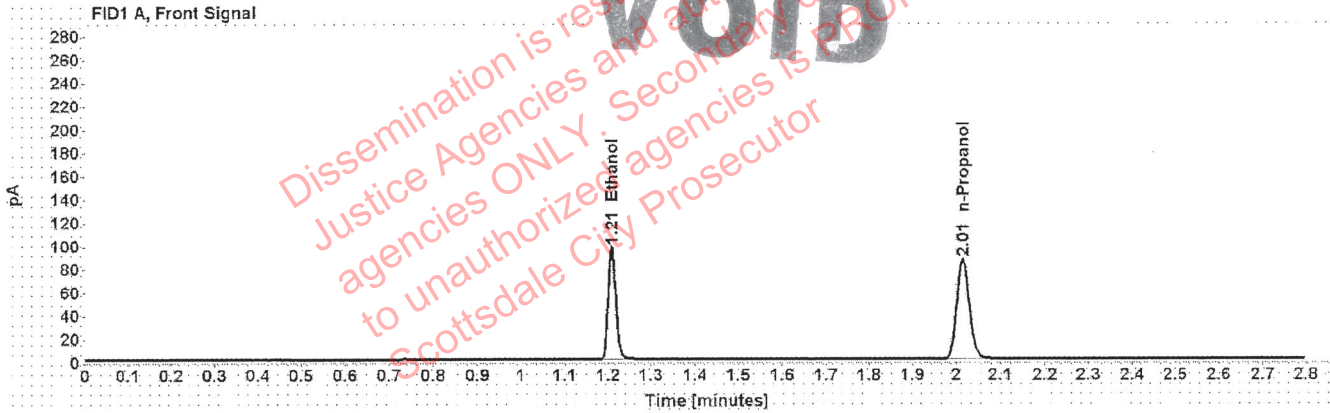


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	123.480
n-Propanol	2.015	171.038

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

Compound	Time (min)	Peak Area
Ethanol	1.373	155.944
n-Propanol	2.465	214.523

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN10051906	Vial: 4
Description: 0.400 calibrator	Sequence: 08Sep21
Method: ethanol quant.M	Injection date: 9/8/2021 12:20:46 PM
Instrument: US14173023 CN14160045	Analyst: Canonico
Data file: C:\Chem32\1\Data\08Sep21\4.D	

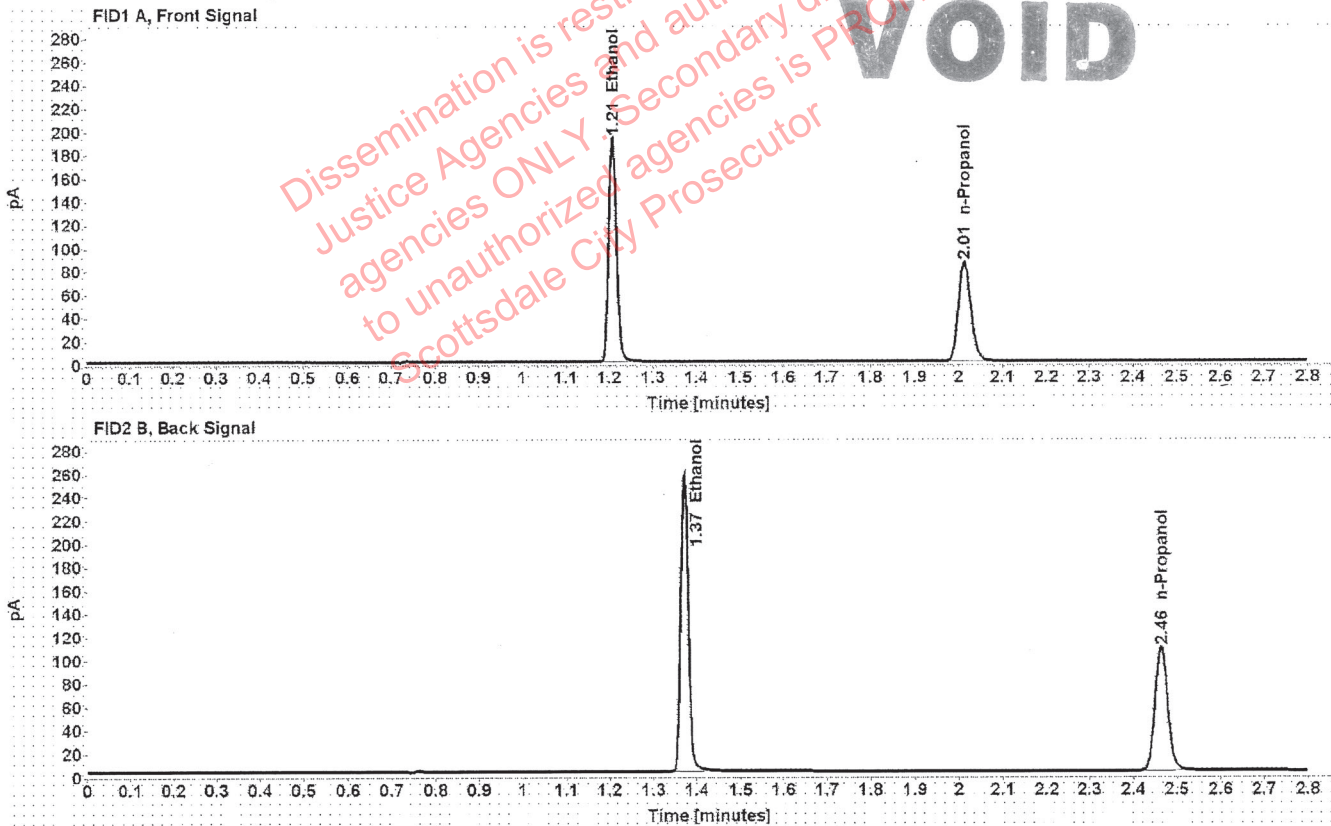


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	245.191
n-Propanol	2.014	169.952

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

Compound	Time (min)	Peak Area
Ethanol	1.371	309.998
n-Propanol	2.464	212.901

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	071521AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	08Sep21
Instrument:	US14173023 CN14160045	Injection date:	9/8/2021 12:24:46 PM
Data file:	C:\Chem32\1\Data\08Sep21\5.D	Analyst:	Canonico

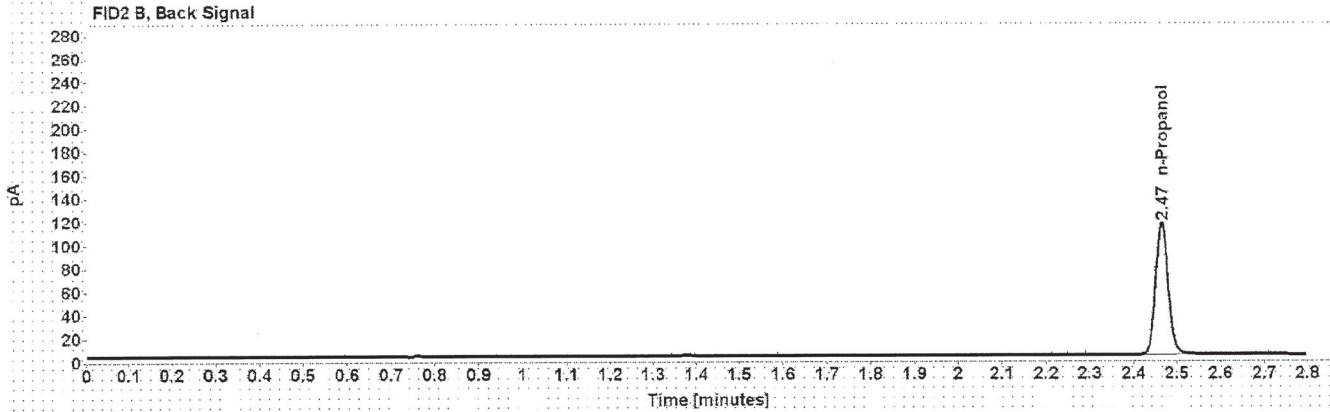
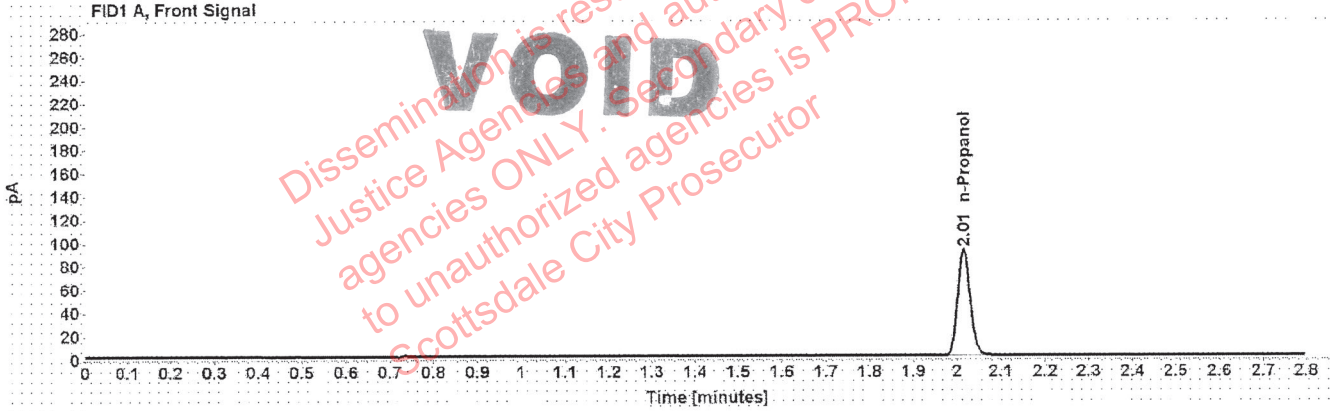


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	181.720

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	227.559

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	050721MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	08Sep21
Instrument:	US14173023 CN14160045	Injection date:	9/8/2021 12:28:46 PM
Data file:	C:\Chem32\1\Data\08Sep21\6.D	Analyst:	Canonico

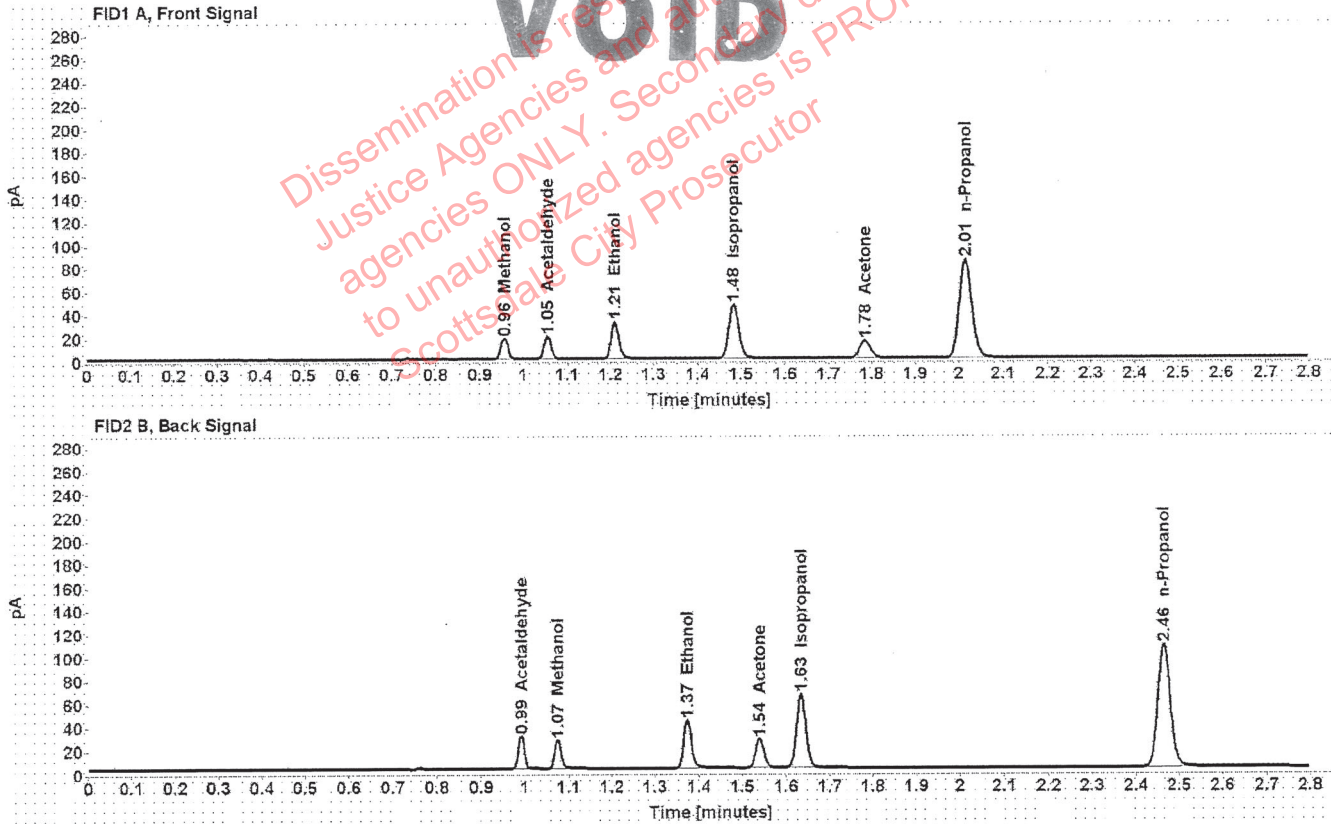


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	20.038
Acetaldehyde	-----	1.054	21.242
>Ethanol	0.0675	1.210	40.647
Isopropanol	-----	1.483	74.436
Acetone	-----	1.784	25.962
n-Propanol	-----	2.015	168.739

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	27.482
Methanol	1.075	25.660
Ethanol	1.373	51.168
Acetone	1.539	32.636
Isopropanol	1.634	95.632
n-Propanol	2.464	211.388

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 08Sep21
Instrument: US14173023 CN14160045	Injection date: 9/8/2021 12:33:01 PM
Data file: C:\Chem32\1\Data\08Sep21\7.D	Analyst: Canonico

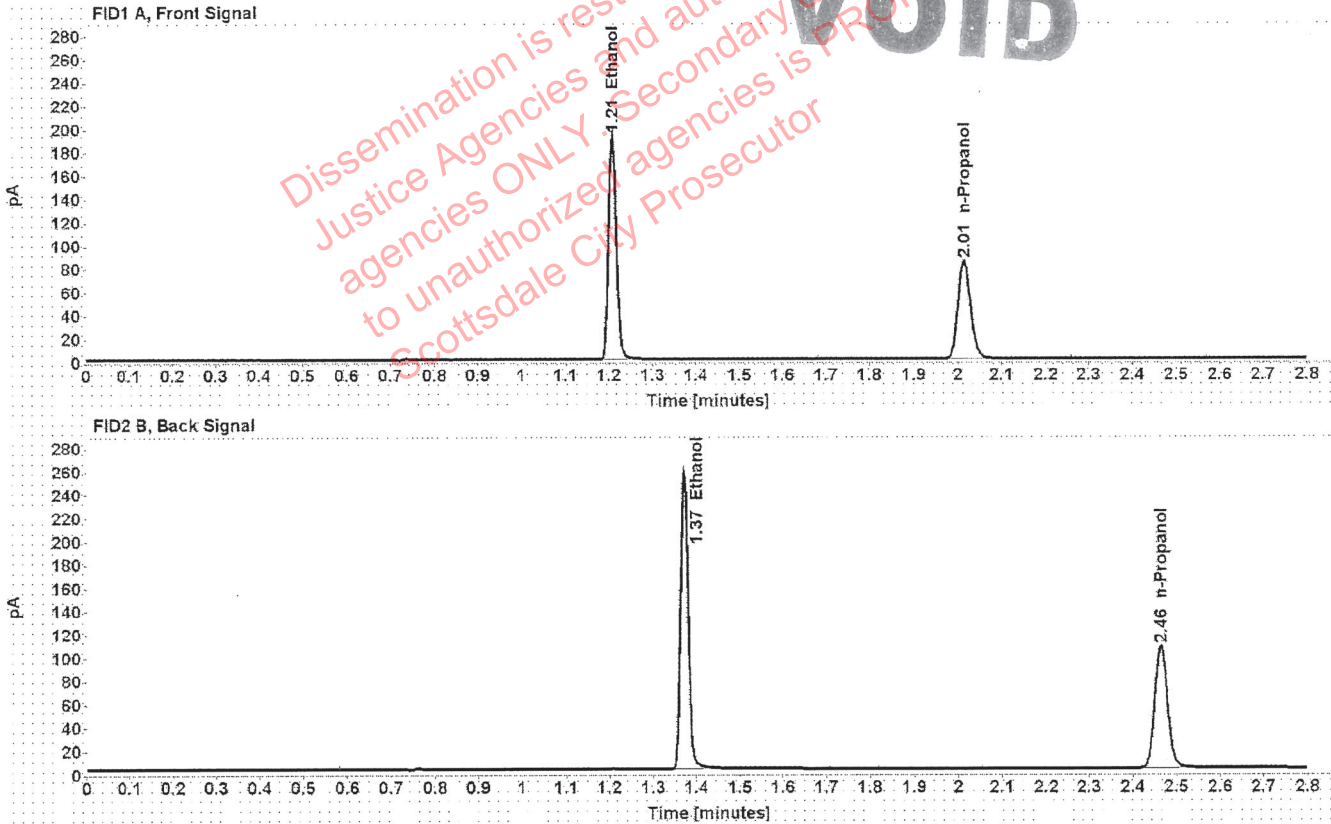


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4013	1.208	244.600
n-Propanol	-----	2.015	168.910

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

Compound	Time (min)	Peak Area
Ethanol	1.372	308.807
n-Propanol	2.464	211.800

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 08Sep21
Instrument: US14173023 CN14160045	Injection date: 9/8/2021 12:37:01 PM
Data file: C:\Chem32\1\Data\08Sep21\8.D	Analyst: Canonico

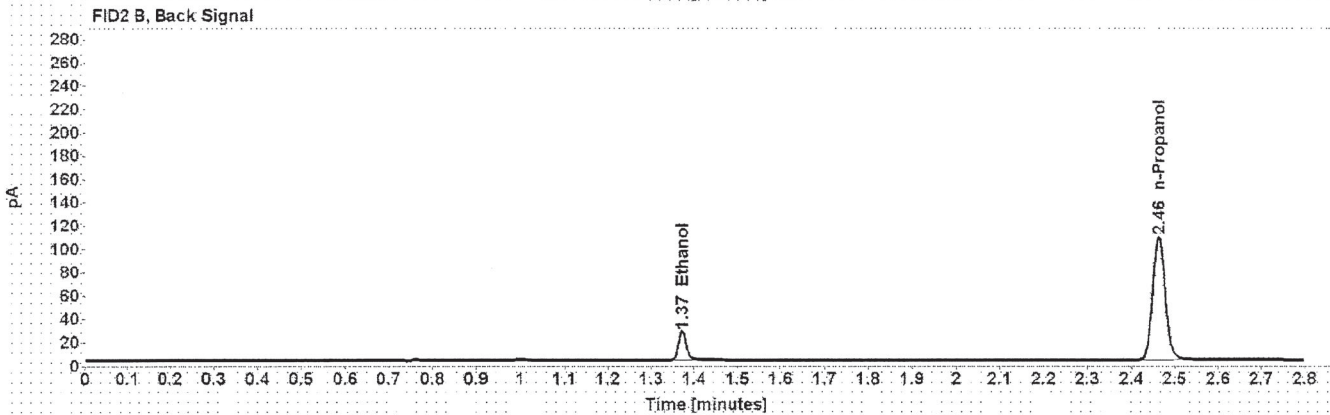
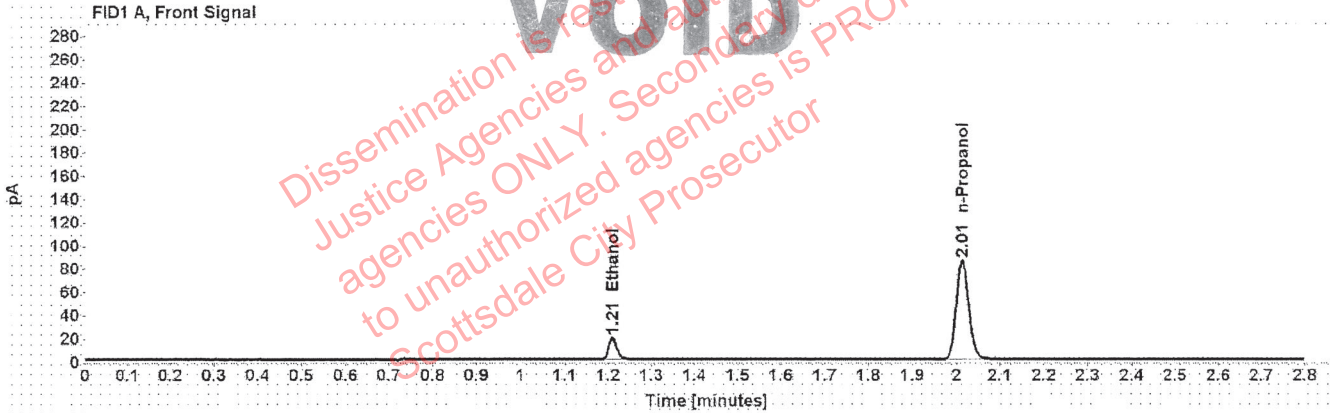


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0402	1.210	24.176
n-Propanol	-----	2.014	169.953

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

Compound	Time (min)	Peak Area
Ethanol	1.372	30.312
n-Propanol	2.463	213.029

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4101018274/9	Vial: 9
Description: 0.200	LIMS ID:
Method: ethanol quant.M	Sequence: 08Sep21
Instrument: US14173023 CN14160045	Injection date: 9/8/2021 12:41:01 PM
Data file: C:\Chem32\1\Data\08Sep21\9.D	Analyst: Canonico

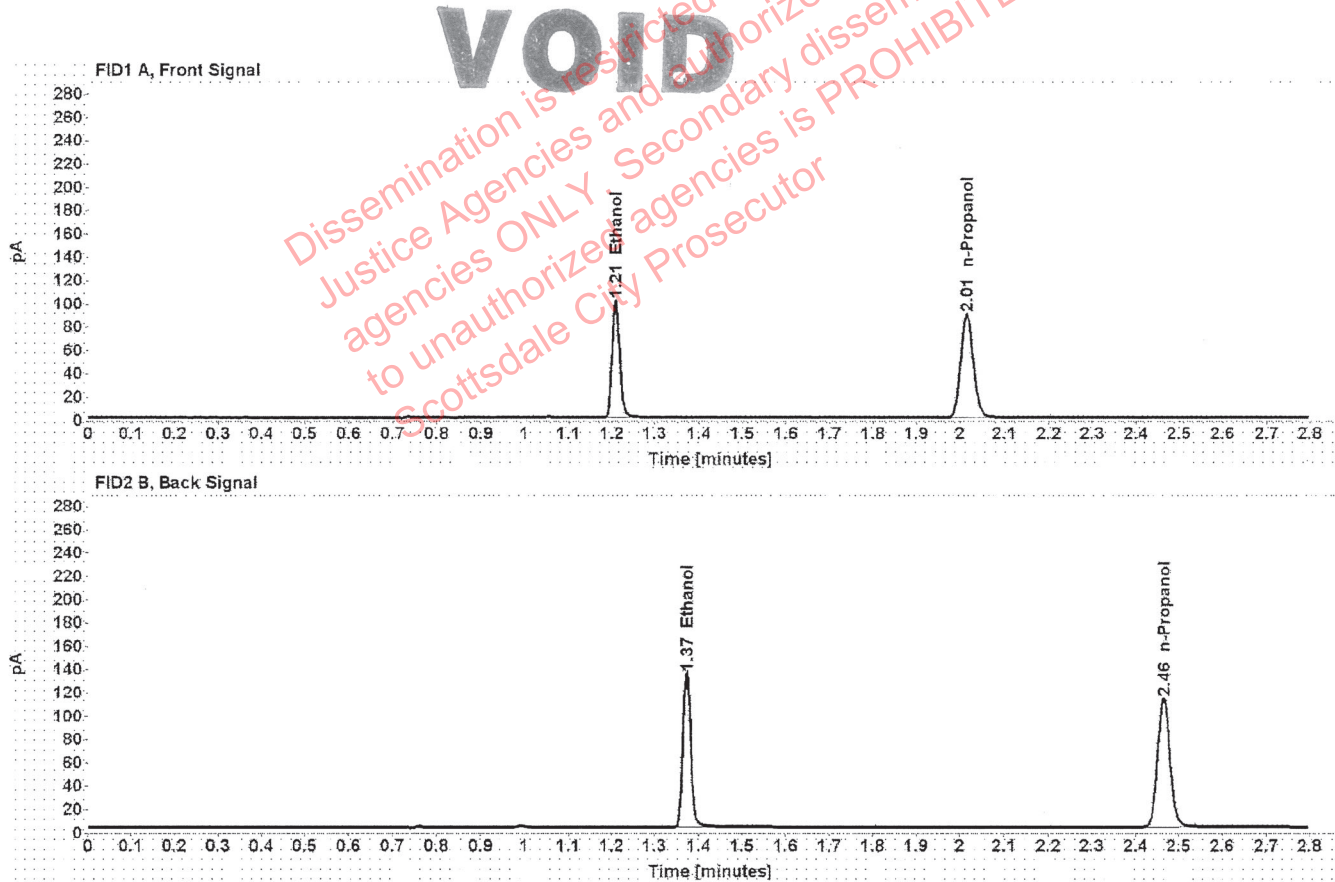


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2018	1.209	128.657
n-Propanol	-----	2.015	177.113

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

Compound	Time (min)	Peak Area
Ethanol	1.373	162.735
n-Propanol	2.465	222.296

Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

ANALYST: Canonico

VOID

SEQUENCE: 08Sep21

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	20001LJ	20001LJ	20001LJ	Yes
Vials 12 and 13	20001SV	20001SV	20001SV	Yes
Vials 14 and 15	33801NB	33801NB	33801NB	Yes
Vials 16 and 17	33801AD	33801AD	33801AD	Yes
Vials 18 and 19	33801JD	33801JD	33801JD	Yes
Vials 21 and 22	17101EK	17101EK	17101EK	Yes
Vials 23 and 24	33801BT	33801BT	33801BT	Yes
Vials 25 and 26	32701DH	32701DH	32701DH	Yes
Vials 27 and 28	38901HG	38901HG	38901HG	Yes
Vials 29 and 30	37201VR	37201VR	37201VR	Yes
Vials 32 and 33	1387576	1387576	1387576	Yes
Vials 34 and 35	1386513	1386513	1386513	Yes
Vials 36 and 37	1386846	1386846	1386846	Yes
Vials 38 and 39	1387586	1387586	1387586	Yes
Vials 40 and 41	1349975	1349975	1349975	Yes
Vials 43 and 44	TUBE04	TUBE04	TUBE04	Yes
Vials 45 and 46	TUBE01	TUBE01	TUBE01	Yes
Vials 47 and 48	TUBE02	TUBE02	TUBE02	Yes
Vials 49 and 50	TUBE03	TUBE03	TUBE03	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20001LJ	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	08Sep21
Instrument:	US14173023 CN14160045	Injection date:	9/8/2021 12:45:00 PM
Data file:	C:\Chem32\1\Data\08Sep21\10.D	Analyst:	Canonico

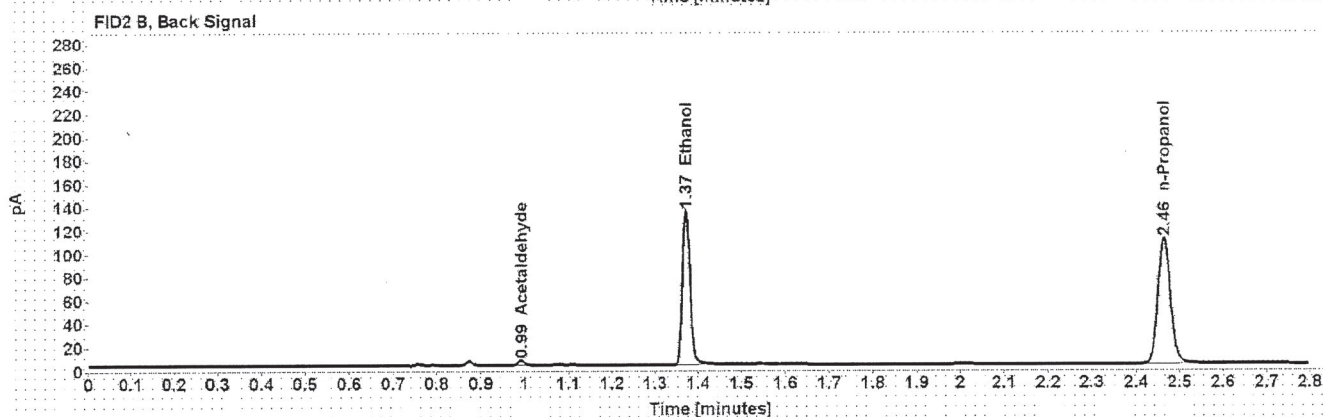
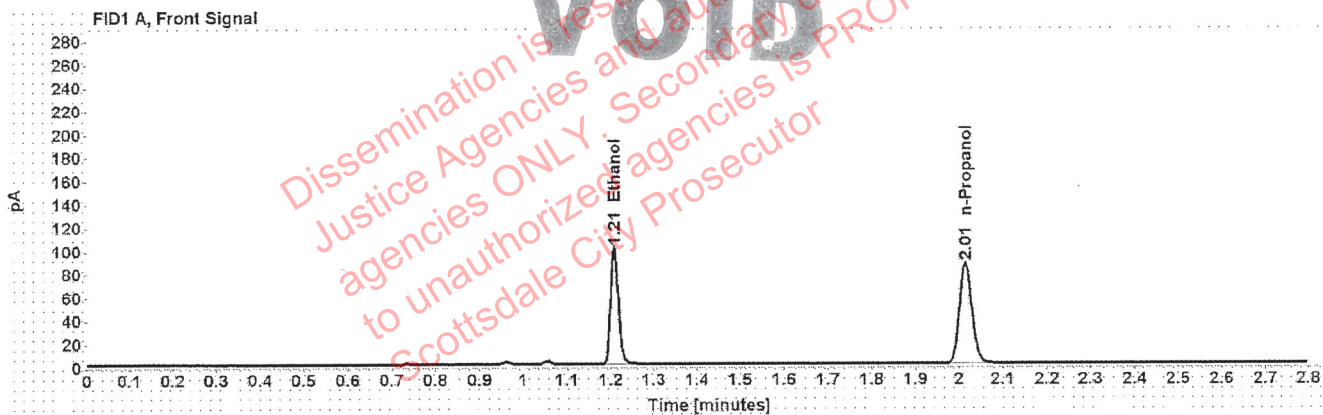


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2067	1.209	128.210
n-Propanol	-----	2.015	172.286

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	3.817
Ethanol	1.372	161.587
n-Propanol	2.464	216.441

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	20001LJ	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	08Sep21
Instrument:	US14173023 CN14160045	Injection date:	9/8/2021 12:49:01 PM
Data file:	C:\Chem32\1\Data\08Sep21\11.D	Analyst:	Canonico

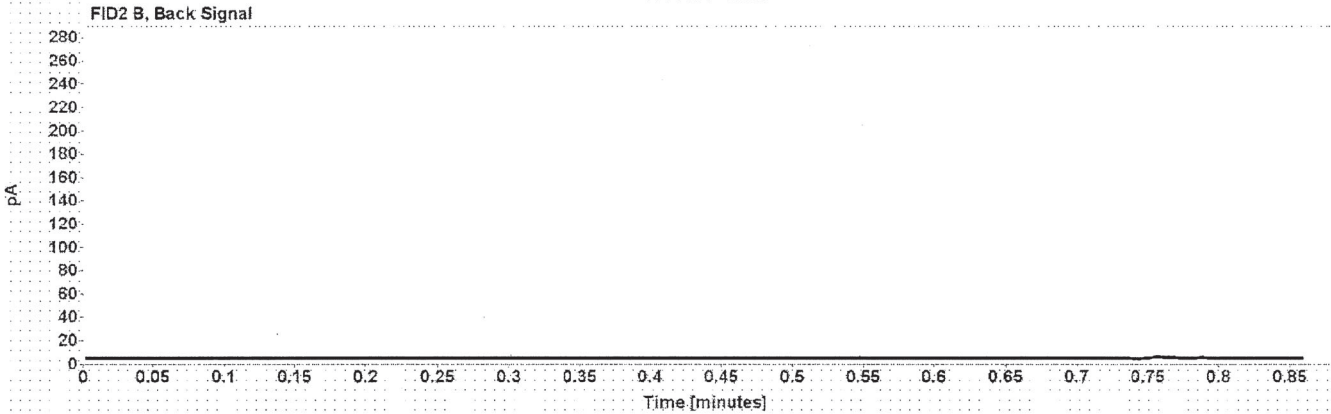


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area

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

Compound	Time (min)	Peak Area