SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE	0	9/28/2023	SEQUEN	ICE NAME _	28Sep23
EQUIPMENT Pipettor Gas Chromatograph	\boxtimes	Hamilton ML6 Agilent US141		Hamilton ML60	0GJ10749
INSTRUMENT CAI	_IBF	RATION	ricter thorization	selliBill	
Vial 1 0.02 calibrator	Lot _	FN03122113	a sur any c	Coefficient	of determination (r ²)
Vial 2 0.10 calibrator	Lot _	FN11172002	<u>converis</u>	1.000	100
Vial 3 0.20 calibrator	Lot	FN03132302	Senciestor		
Vial 4 0.40 calibrator	Lot_	FN03052102	<u>agrosecu</u> <u>Prose</u> cu		

CALIBRATION VERIFICATION AND RESOLUTION TEST

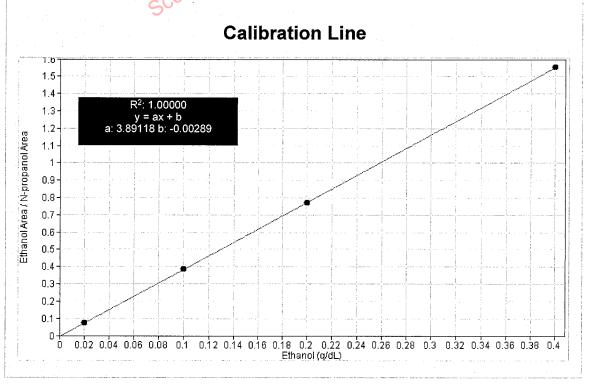
Vial	Sample 🍾	Expected result	Measured result	Manufacturer/lot
5	Blank 50	Not detected	Not detected	SPD lab 011823WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 050721MIX
7	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 30012020-A
8	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
9	Blood control	0.199 g/dL	0.203 g/dL	ACQ 4110320133/11
12	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 30012020-A
13	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
14	Blood control	0.199 g/dL	0.205 g/dL	ACQ 4110320133/11
15	Blank	Not detected	Not detected	SPD lab 060223AQ
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SUBJE	ECT SAMPLES			
Subjects	s in the sequence		bjects requiring reanal	ysis 0
	ONAL NOTES: AII	testing proceeded a	as expected.	
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	 Ana 	lyst		Téchnical Reviewer

Document ID: **1208** Revision Date:02/27/2017

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/d٤)	Percent Difference	Absolute
blank 011823WB	5	negative	negative	H age	· · ·
0.400 30012020-A	7	0.402	0.400	0.50	0.002
0.040 14082019-B	8	0.040	0.040	S 0.00	0.000
0.199 4110320133/11	9	0.203	0.199	2.01	0.004
0.400 30012020-A	12	0.403	0.400	0.75	0.003
0.040 14082019-B	13	0.040	0.040	0.00	0.000
0.199 4110320133/11	14	0,205	0.199	3.02	0.006
blank 060223AQ	- 6	negative 5	negative	-	-

DISS	Calibrator	Ethanol Area	N-propanol Area	Ratio
20.	0.020	11.698	153.610	0.076
20	0.100	59.439	154.023	0.386
	0.200	118.555	153.271	0.774
7	0.400	236.654	152.236	1.555



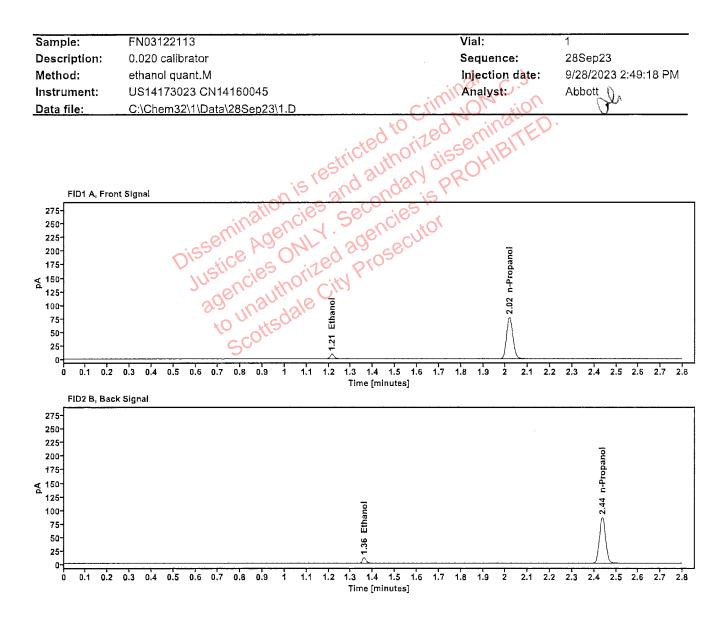


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.214	11.698
n-Propanol	2.018	153.610

Compound	Time (min)	Peak Area
Ethanol	1.361	12.877
n-Propanol	2.438	168.212

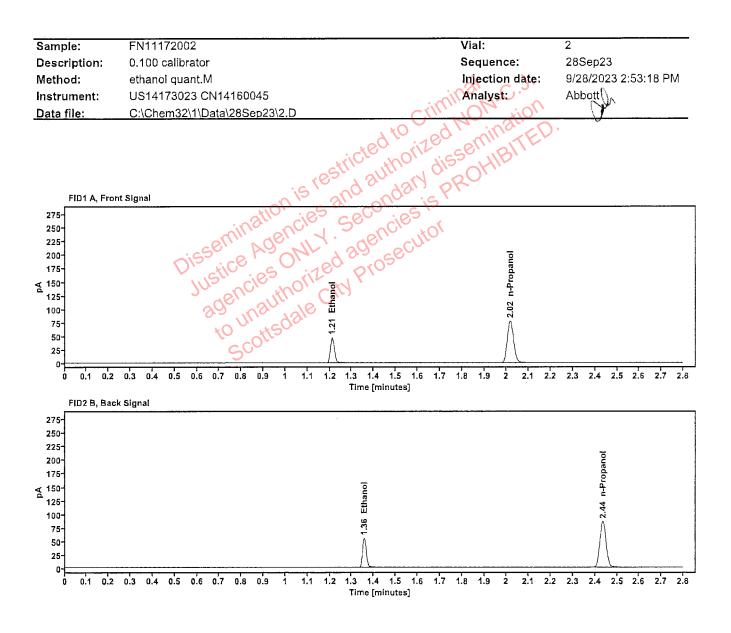


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	59.439
n-Propanol	2.017	154.023

Compound	Time (min)	Peak Area
Ethanol	1.357	65,453
n-Propanol	2.436	168,490

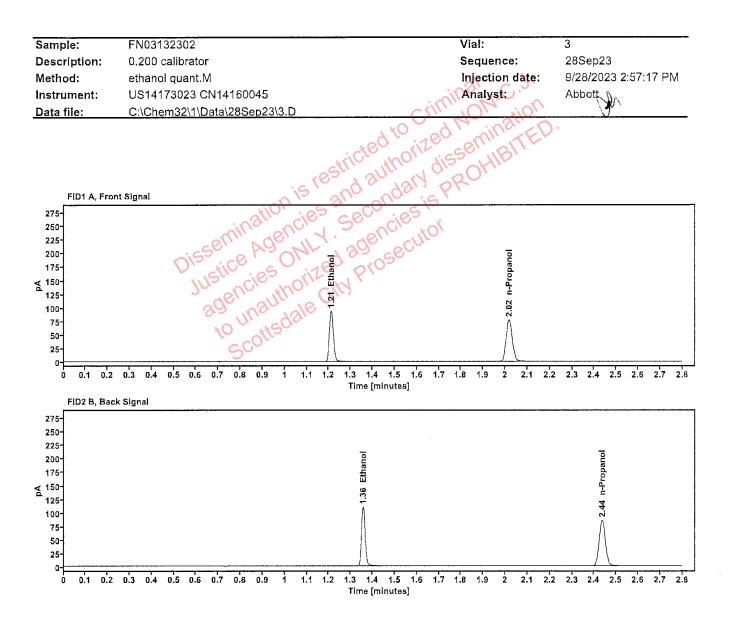


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	118.555
n-Propanol	2.017	153.271

Compound	Time (min)	Peak Area
Ethanol	1.357	130.438
n-Propanol	2.437	167.591

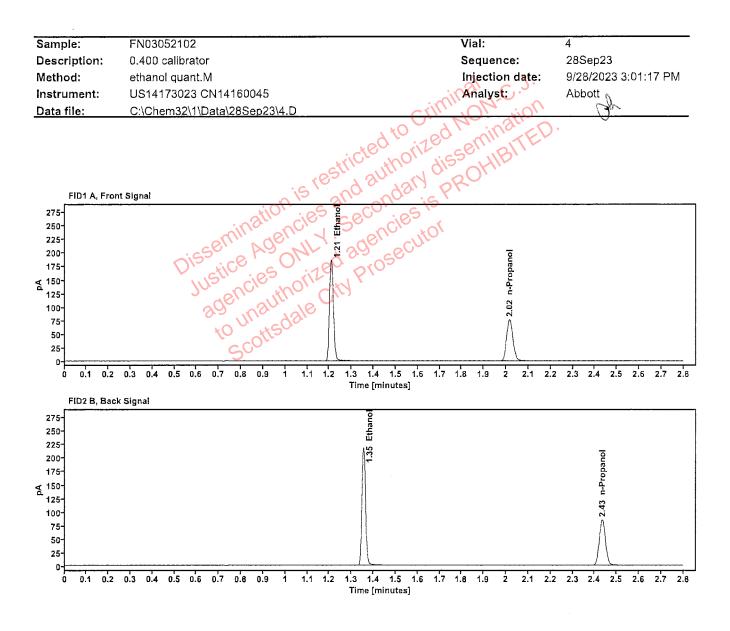


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	236.654
n-Propanol	2.016	152.236

Compound	Time (min)	Peak Area
Ethanol	1.355	260.940
n-Propanol	2.434	166.570

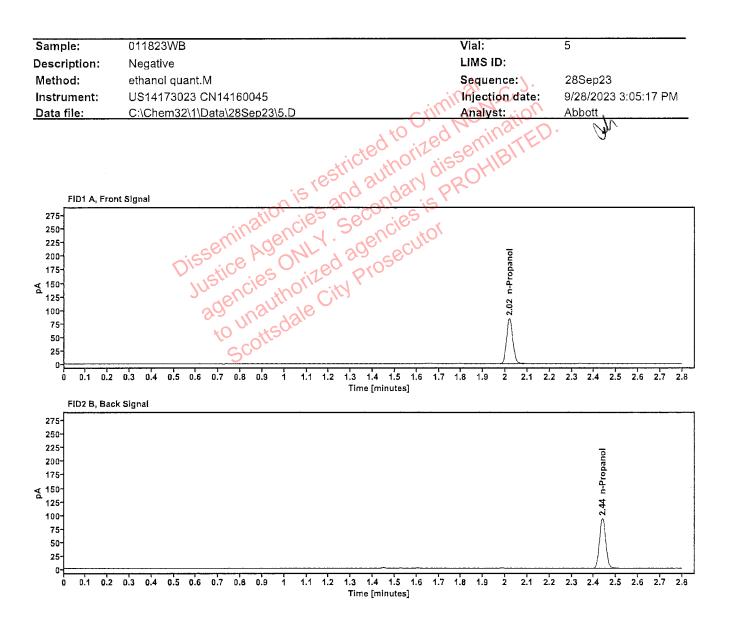


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount	Time	Peak
	(g/100mL)	(min)	Area
n-Propanol		2.019	166.251

Compound	Time (min)	Peak Area
n-Propanol	2.439	182.505

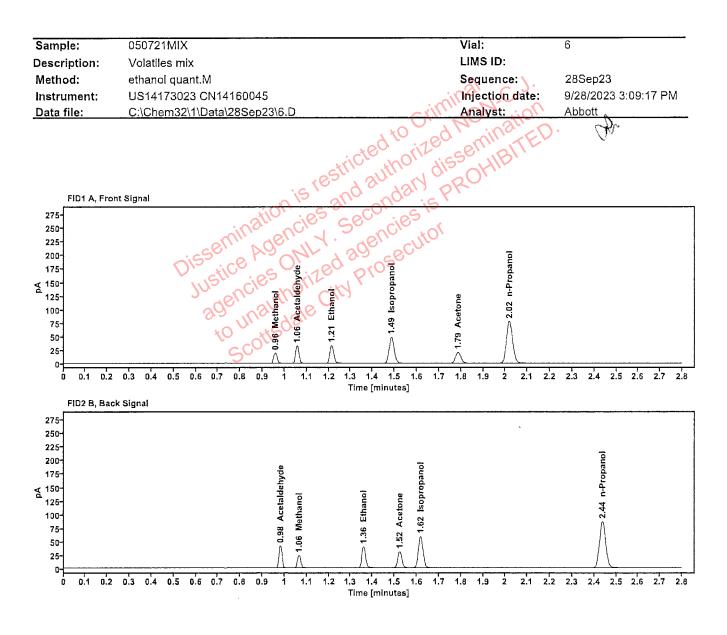


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol		0.959	22.240
Acetaldehyde		1.056	35.586
>Ethanol	0.0725	1.212	43.256
Isopropanol		1.486	77.645
Acetone		1.786	35.484
n-Propanol		2.018	154.812

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	39.829
Methanol	1.065	24.753
Ethanol	1.360	47.505
Acetone	1.523	39.098
Isopropanol	1.618	86.211
n-Propanol	2.438	169.333

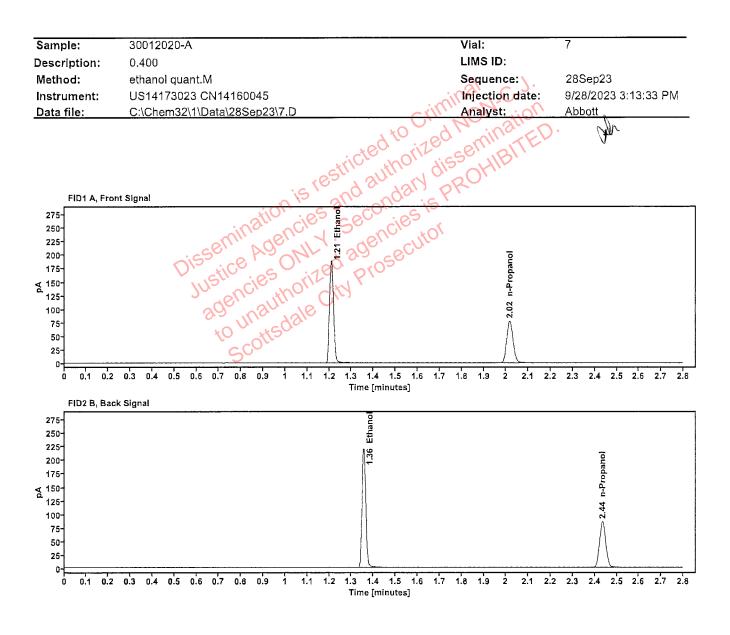


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4023	1.209	239.746
n-Propanol		2.016	153.439

Compound	Time (min)	Peak Area
Ethanol	1.356	264.428
n-Propanol	2.435	167.919

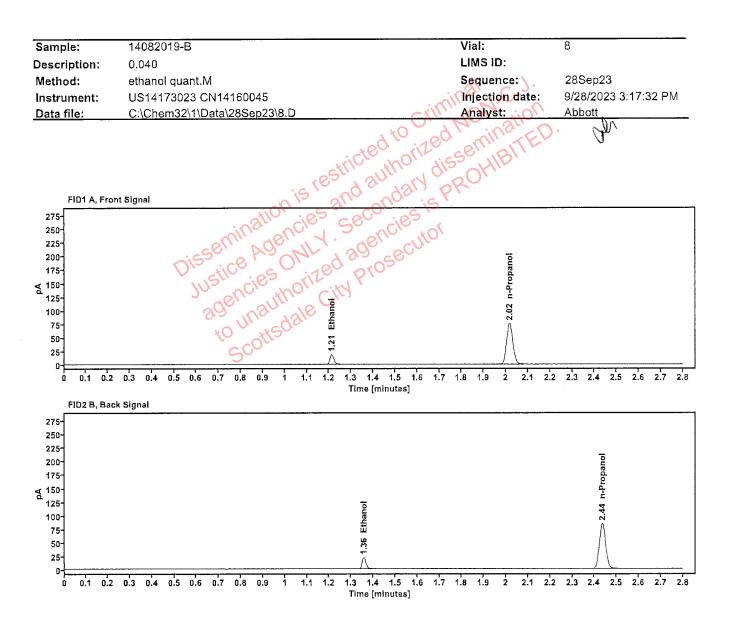


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.212	23.329
n-Propanol		2.017	150.368

Compound	Time (min)	Peak Area
Ethanol	1.357	25.584
n-Propanol	2.436	164.604

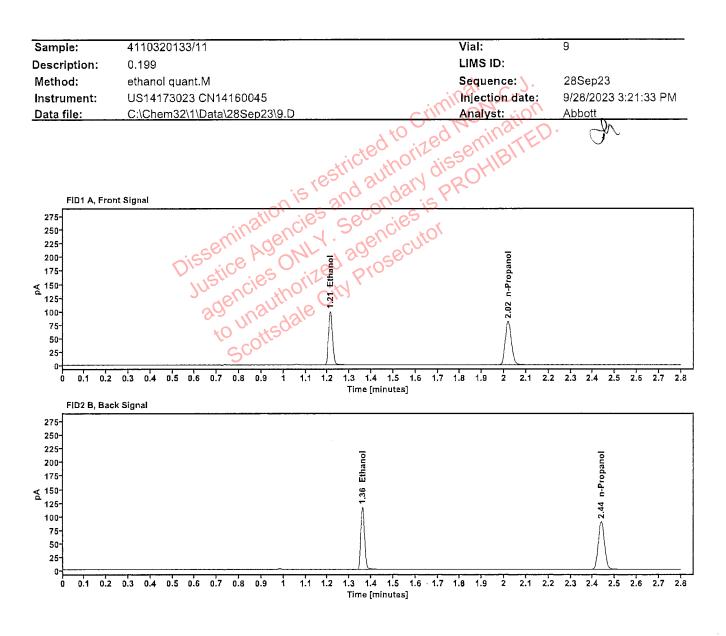


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2031	1.212	126.478
n-Propanol		2.019	160.637

Compound	Time (min)	Peak Area
Ethanol	1.360	139.164
n-Propanol	2.439	175.915

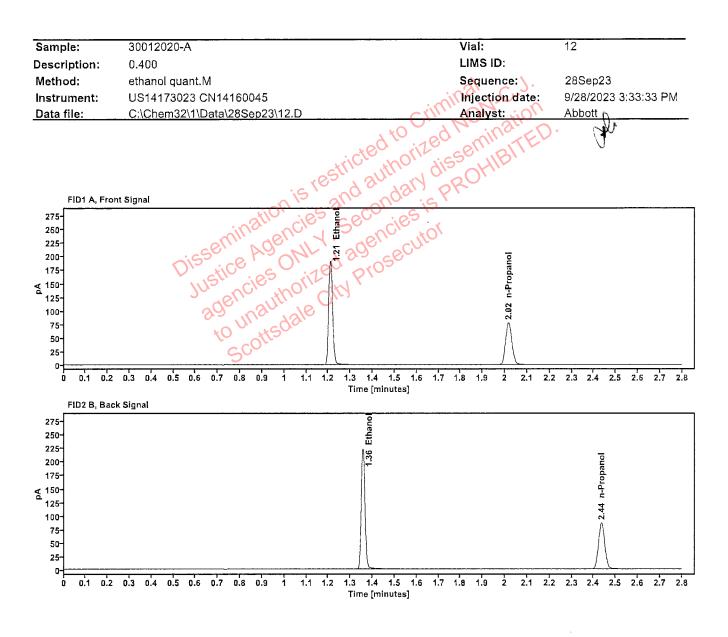


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4033	1.209	242.676
n-Propanol		2.016	154.921

Compound	Time (min)	Peak Area
Ethanol	1.356	267.903
n-Propanol	2.436	169.719

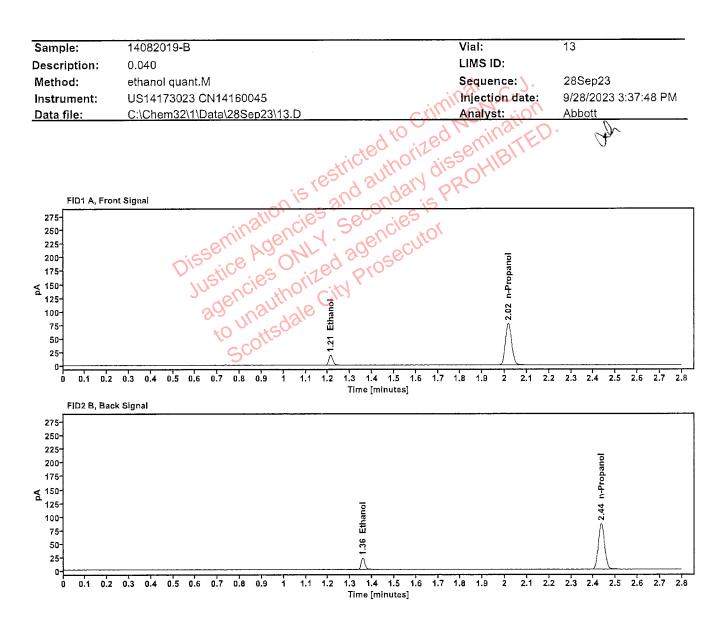


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.211	23.886
n-Propanol		2.016	153.603

Compound	Time (min)	Peak Area
Ethanol	1.357	26.191
n-Propanol	2.435	168.062

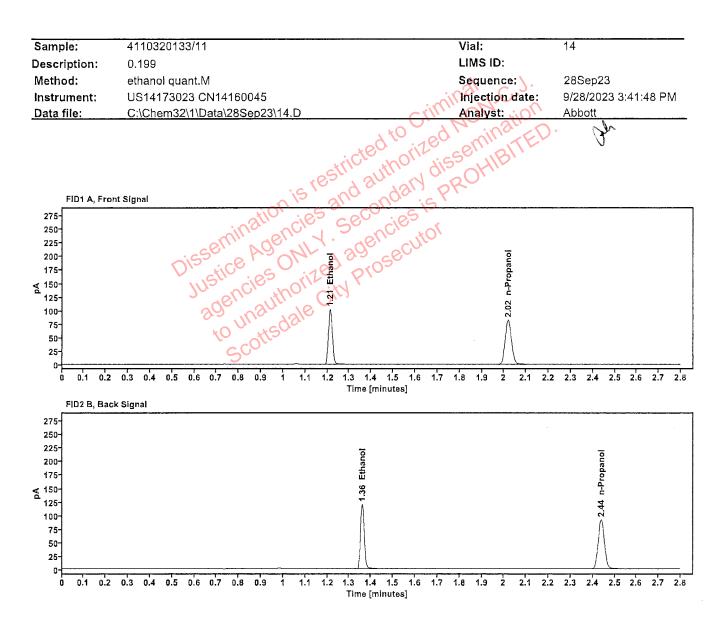


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2055	1.212	130.274
n-Propanol		2.019	163.489

Compound	Time (min)	Peak Area
Ethanol	1.360	143.305
n-Propanol	2.439	179.065

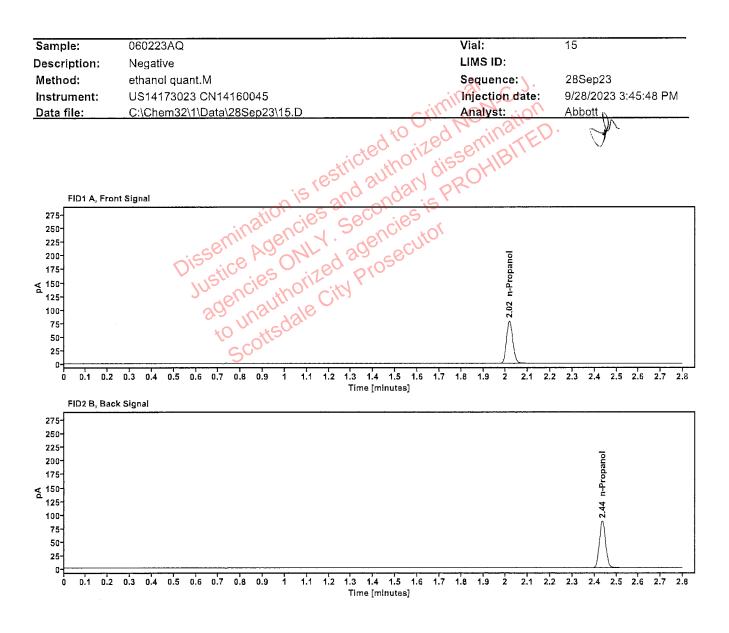


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount	Time	Peak
	(g/100mL)	(min)	Area
n-Propanol		2.017	156.555

Compound	Time (min)	Peak Area
n-Propanol	2.436	171.278

Sequence Summary

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Seque	nce name: 2	8Sep23 Instrument: US141	73023 CN141600)45 Analys	st: Abbott
Vial	Sample	Description		LIMSID	Method
 1	FN03122113	0.020 calibrator	Calibration		ethanol guant.N
2	FN11172002	0.100 calibrator	Calibration		ethanol quant.N
3	FN03132302	0.200 calibrator	Calibration		ethanol quant.M
4	FN03052102	0.400 calibrator	Calibration		ethanol quant.M
5	011823WB	Negative	Control		ethanol quant.M
6	050721MIX	Volatiles mix	Control		ethanol quant.N
7	30012020-A	10.400 S S	Control	n jezere nemineren julie zwe, vo. Schuler L., zu je trijbologi i hjeder za nazvalne i sa 1 1	ethanol quant.M
8	14082019-B		COntrol		ethanol quant.N
9	4110320133/11	0,199	Control	Construction of the second s Second second seco	ethanol quant.N
10	2317988-2	Castro, Eduardo	Sample	L23-09-02959-0001	ethanol quant.N
11	2317988-2	Castro, Eduardo	Sample	L23-09-02959-0001	ethanol quant.N
12	30012020-A	Jo 0,400 C/C	Control	al (a black of the structure and the second structure and structure and second structure and second structure a E E E E E	ethanol quant.N
13	14082019-B		Control		ethanol quant.M
14	4110320133/11	0.199	Control	ny manana manana kaominina minina dia mi Manana minina	ethanol quant.M
15	060223AQ	Negative	Control		ethanol quant.N

Scottsdale Police Department Crime Laboratory Summary of Cases

Vials	E NAME: 28Sep23 Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	ANALYST: Abbott Absolute Difference (g/dL)*
10 11	0.3276	0.3306	0.32910	0.46	0.00150
	*0	Calculated differences an ination is re- nination is re- nis re- nination is re- nination is r	a differences from the	mean of the two results.	D.
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Scottsdale Forensic Lab Blood Alcohol Pipetting Log

ANALYST: Abbott

SEQUENCE: 28Sep23

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2317988-2	2317988-20	2317988-2	Yes
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User: LAbbott 9/29/2023

Case:



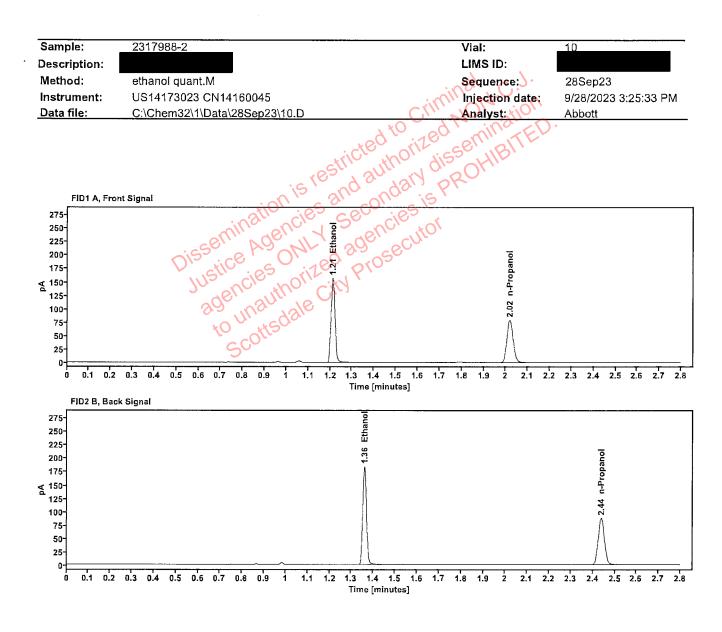


Table 1: FID 1 A (column DB-ALC1)

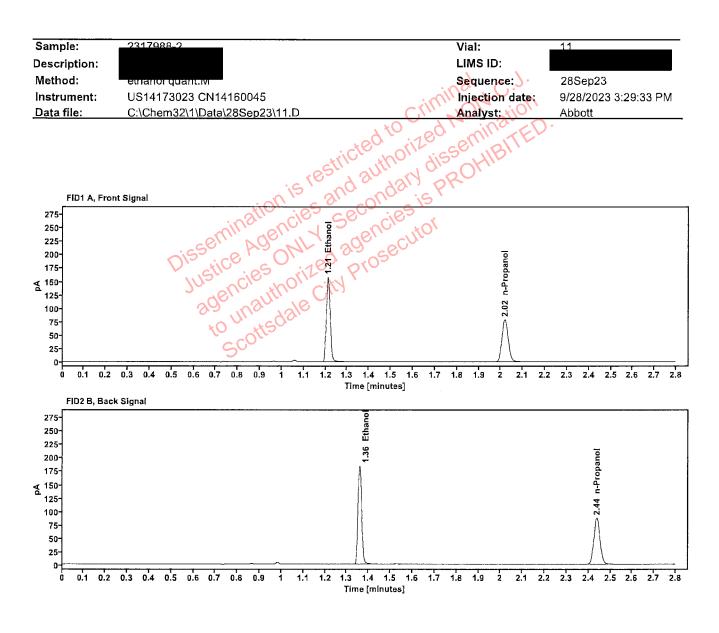
Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3276	1.212	200.142
n-Propanol		2.019	157.343

Compound	Time (min)	Peak Area
Ethanol	1.360	220.132
n-Propanol	2.439	172.097

User: LAbbott 9/29/2023

Case:





Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3306	1.212	200.951
n-Propanol		2.019	156.569

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

Compound	Time (min)	Peak Area
Ethanol	1.359	221.388
n-Propanol	2,438	171.249