Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number:

L600HC11378

5/24/22-5/25/22 5/24/22 Run Date(s): Volatiles Quality Assurance Controls

5924 Calibration Date: Worklist #:

g/100cc g/100cc g/100cc g/100cc g/100cc g/100cc Overall Results 0.99961 0.0788 0.2163 0.0781 0.2181 Column2 Acceptable Range 0.0688-0.0840 0.1953-0.2387 FN07101701 0.99960 Lot# Target Value 0.0764 0.2170 Column 1 22-Jul 1907006 1907007 Lot# Exp: Expiration Curve Fit: Jul-23 Multi-Component mixture: Jul-23 Control level Level 2 Level 1

Ethanol Calibration Reference Material

Emailor Ca	Ethanol Campi ation Incidence Material					
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Column 1 Column 2 Precision Mean	Mean
50	0.050	0.045 - 0.055	0.0543	0.0541	0.0002	0.0542
100	0.100	0.090 - 0.110	0.0962	0960.0	0.0002	0.0961
200	0.200	0.180 - 0.220	0.1967	0.1970	0.0003	0.1968
300	0.300	0.270 - 0.330	0.3026	0.3029	0.0003	0.3027
400	0.400	0.360 - 0.440	N/A	N/A	#########	#DIV/0!
500	0.500	0.450 - 0.550	0.5000	0.4997	0.0003	0.4998
Internal Standard	Average	(-) 20%		(+) 20%		

g/100cc Overall Results 0.080 Acceptable Range 0.076 - 0.084Target Value Aqueous Controls 0.080Control level

5

321427.0

214284.6

267855.8

N-Propanol:

Revision: 4

Issue Date: 01/24/2022 Issuing Authority: Quality Manager

Internal Standard Monitoring Worksheet

Worklist#:	5924	Run Date(s):	5/24/22-5/25/22

Internal Standard Solution:	Prep: 5/13/22	Exp Date: 11/13/2022	13/2022
Sample Name	Column 1 Value	Column 2 Value	Average
QC1-1-A	273820	300439	287129.5
QC1-1-B	214274	235405	224839.5
0.08-1-A	208147	228894	218520.5
0.08-1-B	206130	226648	216389
QC2-1-A	255952	280612	268282
QC2-1-B	267237	293048	280142.5
QC1-2-A	<i>L</i> 696 <i>L</i> Z	307400	293548.5
QC1-2-B	272979	299968	286473.5
QC2-2-A	687987	314328	300308.5
QC2-2-B	288767	317082	302924.5
			#DIV/0!

(+)20%	321427.0	
(-)20%	214284.6	
Combined Average	267855.8	



On 5/24/22, the Mixed Volatiles sample in Vial #2 did not inject properly. Vials #1-9 were punctured and tested before this was noted and the run was aborted. Those samples (INT STD BLK 1, QC1-1, 0.080 QA, M2022-1944, and M2022-1945) had new samples taken and run during the following run started the same day 5/24/22 and continued into 5/25/22.

John Garnei

5/25/22

Hamilton AutoDiluter used for this blood run (ML600 HC11378) was calibrated successfully and an expiration date of 5/2023 was issued. This information was confirmed by a calibration sticker on the instrument on day of calibration curve.

JG 5/31/22

MB 5/31/22

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM):

1/21/2022

Date of Request:

Analytical Method/Quality Standard, Revision #: AM#1 Analysis for Volatiles by Requestor/Discipline: Melissa (Nikka) Bradley/Blood Alcohol

Headspace GC/ 4.3.9

Temporary or Permanent Deviation: Permanent

values of known control samples are within acceptable limits. the +/- 20% of the mean value from the calibration curve used Despite this drift the run, the n-propanol signal of end samples tend to be outside or close to being outside of are analyzed are being compared to calibrators that are performed at the beginning of the that is consistent in multiple batches of blood alcohol runs. Because all the samples that signals) from the calibrators, beginning of the run and towards the end of the sample run Scope of Deviation There is a noticeable increased drift of internal standard (n-propanol

Deviation Request

IS counts throughout the calibration curve samples. 4.3.9.1.1 The average values for the internal standard will be established by averaging the

aqueous and matrix controls within the run. Requesting that the internal standard monitoring average be changed to average the

4.3.9.1.1 The average values for the internal standard will be established by

sanples. averaging the IS counts from the aqueous control and all matrix blood control

prior to the samples that are injected during the run. It is worth noting that despite this not due to the extraction procedure because some of the later batch samples were extracted appear to minimize this occurrence. Furthermore, it can be seen that the drifting trend is utilizing old calibrator/blank samples prior to running a new calibration curve did not Attempts to pre-condition/warm up the instrument using by running a pre-batch sequence current instrument set up as shown in trends from previous batches in multiple laboratories. beginning of the batch (calibrators and early samples) to the end that is inherent to the injection of each sample. There is a gradual increase of internal standard response from the The designed purpose of the internal standard monitoring is to evaluate the quality of Technical Justification for Analytical Method Deviations:

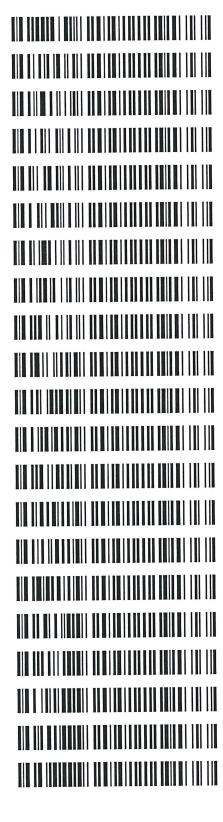
trend, the values of the known control samples are still within the specified acceptable range. By utilizing known control n-propanol signals throughout the batch, any potential drift will be taken into account while still being able to monitor a possible mis-injection or partial injection throughout the batch/sequence.

This deviation will have an expiration date of July 1st, 2022.

ioma.
Quality Approver: Title: Date:
Quality Review
Approver: Juny John Date: 1/21/22
Departure Not Approved Comments:
Departure approved Comments: Forms will be updated to reflect the new process concurrent with the deviation.
echnical Review

Worklist: 5924

sisylsnA lodoolA	Ж	BC	l	M2022-2088
Alcohol Analysis	Ж	ВС	ı	M202-2075
Alcohol Analysis	Ж	BC	ı	M2022-2070
Alcohol Analysis	Ж	BC	l	M2022-2068
Alcohol Analysis	ж	BC	l	M2022-2055
Alcohol Analysis	Ж	ВС	l	M2022-2064
Alcohol Analysis	Ж	ВС	l	M2022-2053
eieylsnA lodoolA	Ж	ВС	l	M2022-2034
eieylsnA lodoolA	Ж	BC	l	M2022-2033
sisylsnA lodoolA	К	BC	ı	M2022-1995
Alcohol Analysis	К	BC	ı	M2022-1992
sisylsnA lodoolA	К	BC	l	M2022-1991
Alcohol Analysis	К	BC	l	M2022-1990
Alcohol Analysis	К	BC	l	9961-SSOSM
siaylsnA lodoolA	К	BC	l	M2022-1965
Alcohol Analysis	К	BC	l	M2022-1964
siaylsnA lodoolA	Ж	ВС	l	M2022-1948
Alcohol Analysis	Ж	BC	l	7491-2202M
Alcohol Analysis	×	BCI	l	M2022-1946
Alcohol Analysis	>	BCI	l	M2022-1945
Alcohol Analysis	>	BCI	l	M2022-1944
DESCRIPTION	M TYPE	<u> 311</u>	Mati	LAB CASE



3

Worklist: 5924

DESCRIPTION

ITEM TYPE

LAB CASE ITEM

Alcohol Analysis

BCK

M2022-2089

: INT STD BLK 1 : S/24/2022 5:05:58 PM

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

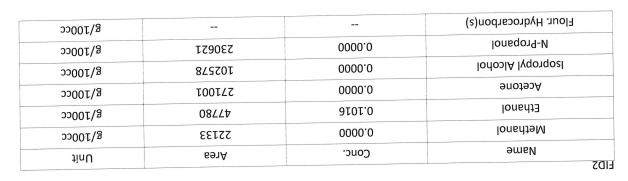
: C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM : C12255750548 / C12595800409

o.ɛ nim	2.5	0.2	S'T	0.1	c. 0	0.0
						0
						-0000S
		2.132 / N-Propanol				- 00000T -
FIDS		panol				-0000ST\n
nim				0.1	2.0	0.0
0.8	2.5	2.0	5.1	0'τ	30	
	2.481 / N-Propanol					-0000S
FIDT	Propanol					-00000 <i>T</i> _{\n}

g\100cc			Fluor. Hydrocarbon(s)
g/100cc	253295	0000.0	N-Propanol
S/100cc			ənotəsA
5) TOOCC			Isopropyl Alcohol
5001/g			Ethanol
S/100cc			Methanol
tinU	БЭҮА	Conc.	Язте
7;511	•		FIDI

5001\g			Flour. Hydrocarbon(s)
5001\g	742206	0000.0	lonsqorq-M
501/g			Isopropyl Alcohol
3001\g			өпотээА
S/100cc			lonsdf3
3001/g			lonsdieM
JinU	БЭ1А	Conc.	Язте
7;*11	•		70

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g\100cc			Fluor. Hydrocarbon(s)
3200c/g	708889	0000.0	N-Propanol
2001/g	747837	0000.0	ənofəəA
2200r/g	90776	0000.0	Isopropyl Alcohol
g\100cc	₹888	6101.0	Ethanol
g\100cc	76247	0000.0	Methanol
tinU	ьэтА	Conc.	Яяте

0.£ nim	2.5	2.0	S.1	0.τ	c. 0	0.0
FID2		2.131 / N-Propanol	1.327 / Ethanol 1.432 / Acetone 1.515 / Isopropyl Alcohol	1.105 / Methanol		-000000T
nim						
3.0	2.5	2.0	Z.£	0.τ	2.0	0.0
						-0
FIDI	2.480 / N-Propanol	1.796 / Isopropyl Alcohol 1.951 / Acetone	1.467 / Ethanol	1.160 / Methanol		-00000T
. 3.2			6	248 \ C1529280040	: C75522220	Instrument #GC/HS

: C12255750548 \ C12595800409

: Meridian : S/24/2022 5:13:17 PM : 2

: MIXED VOLATILES FN 07101701

Laboratory Injection Date Sample Name

Method Filename

IsiV

VOLATILES BAC CASEFILE WORKSHEET

		nlt	Reported Result										
*00 °	0	280.0	⊅ ∠0 ° 0		870.0								
ngsM 10	2% (ЯgiH	мод	(၁၁၇)	rall Mean (g/10	эчО							
%00°S :		y of Measure	Uncertaint		Results	Reporting of							
ned centrally.	ots zi noitomrofn	ุ	uisb /ui sə[i	teloy was yar loc		Instrument Information is stored centrally. Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm							
				I# P	Alcohol Metho								
		hodiysis Method											
					pot								
00/03	010010	£\$70.0	2000.0	ZSL0.0	4270.0 bor								
8870.0	0700.0	£280.0 £270.0	2000.0	£280.0 \$2870.0		iseM sisyland							
Очет-аll Меап 0.0788	Sample A-B Difference 0700.0			0.0823	<i>\psi_0.0</i>	(5)1001\2) [19]VI sisylsnA							

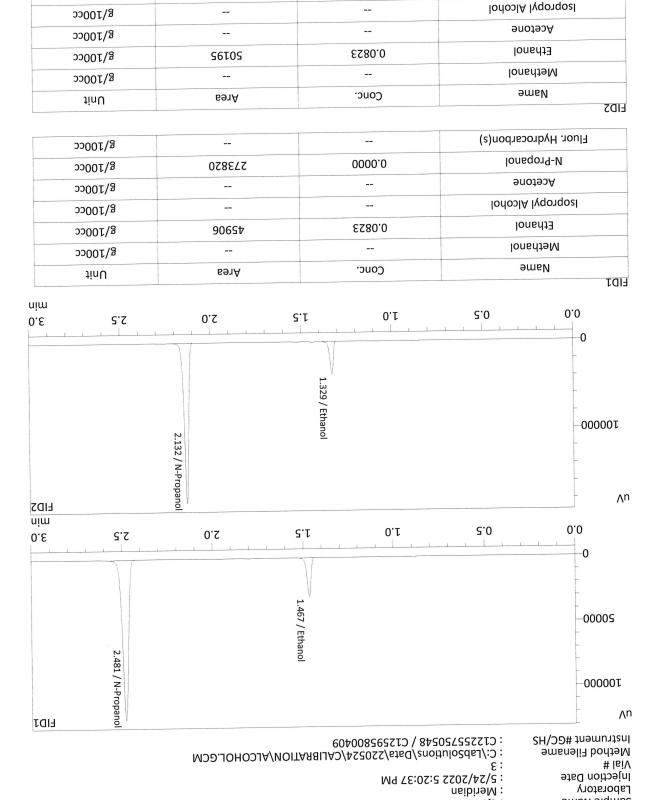
Calibration and control data are stored centrally.



S\100cc

g\100cc

300439



0000.0

Flour. Hydrocarbon(s)

N-Propanol

Sample Name

: QC-1-1-A

uim

0.5

2.5

2\Z4\Z0SZ 2:S3:S3 bM : Weuqisu : OC-1-1-8

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

: C12255750548 / C12595800409	
: C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	
b :	

						0
			1.327 / Ethanol			_ 0000S
		2.130 / N-Propanol	nol			_ ооооот
FID2		panol				Λn
uim						100-100 AV
3.0	2,5	2.0	z't	0.τ	5.0	0.0
	2.480 / N-Propanol		1.467 / Ethanol			-0000S
FID1	panol					Λn

5500£\g			Fluor. Hydrocarbon(s)		
S)100cc	77777	0000.0	lonsqor4-M		
S/100cc			ənotəsA		
3300£\g			Isopropyl Alcohol		
32001/3	32833	₽270.0	lonsd‡3		
3001/g			lonedtaM		
JinU	ьэтА	Conc.	Иате		
			FID1		

1.0

2.0

0.0

1.5

0.2

S\100cc			Flour. Hydrocarbon(s)		
S/100cc	532402	0.000	N-Propanol		
g\100cc			Isopropyl Alcohol		
g\100cc			Acetone		
S/100cc	32823	2270.0	lonsdt3		
22001/g			lonethaM		
tinU	БЭ1А	.conc.	ЭтьИ		

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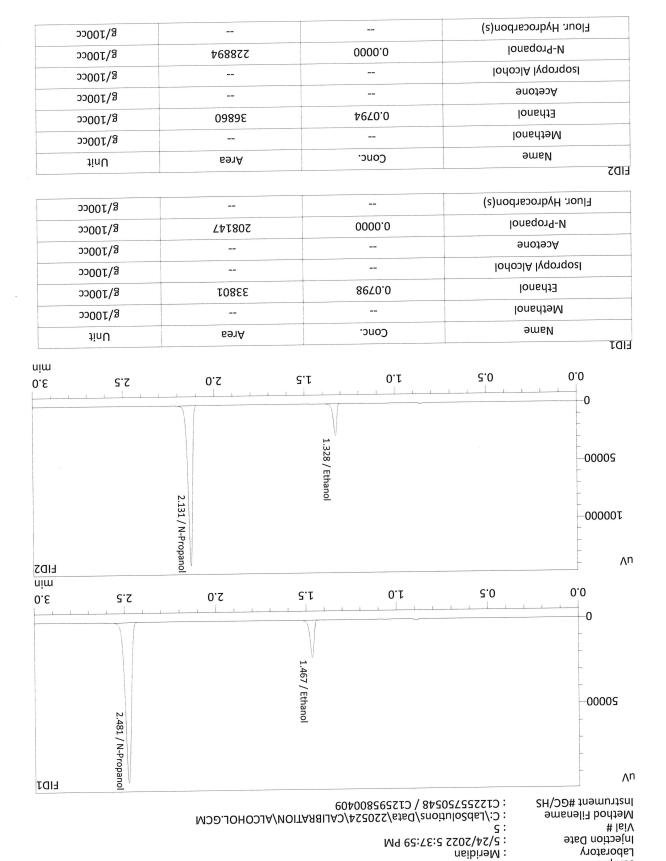
		080.0				
	•	Reported Result				
† 00),0	\$80.0 80.0 080.0				
пкэМ	10 %S	ЯgiH	моЛ	(၁၁၇)	01/g) nsəM lkra	evO.
%00°S	:(%MU) tasm	y of Measure	Uncertain		Results	Reporting of
Instrument Information is stored centrally. Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm						
Analysis Method Refer to Blood Alcohol Method #1						
					pou	
	01000	2180.0	4000.0	0180.0	4180.0 bor	
₽080.0	9100.0	2180.0	\$000.0 \$000.0	4670.0 0180.0		delisisylend
Over-all Mean 0,0804	8-A slqmp2 encence 3100.0				4180.0	(g/100cc)

Calibration and control data are stored centrally.

Aevision: 1 Sevision: 1 Sevisi Page: 1 of 1

Volatiles BAC Casefile Worksheet

2



Sample Name

A-AO 80.0:

Sample Name Laboratory

: 0.08 QA-B : Meridian : 5/24/2022 5:45:24 PM : 6: C12255750548 / C12595800409 : C12255750548 / C12595800409

Instrument #GC/HS
Method Filename
lsiV
Injection Date

0.£ nim	2,ٰ2	0.2	S'T	0.τ	c. 0	0.0
						0
			1.328 / Ethanol			_0000S
		2.131 / N-Propanol	ino <u>l</u>			00000T
FID2		ropanol				Vu
0.£ nim	2.5	2.0	5°T	0.τ	5. 0	0.0
			1.467 / Ethanol			-0000S
FIDI	2.481 / N-Propanol		O.			Vu

S\100cc			Fluor. Hydrocarbon(s)
S/100cc	206130	0000.0	Ionsqor4-M
3,100cc			Anotech
3,100cc			Isopropyl Alcohol
3,100cc	34149	4180.0	lonsdf3
3,100cc			lonsdteM
tinU	БЭТА	Conc.	To Sme Mame

S/100cc			Flour. Hydrocarbon(s)		
3,100cc	879977	0000.0	N-Propanol		
3001/g			Isopropyl Alcohol		
3001/g			ənotəsA		
3001/g	37247	0.0810	lonsd13		
S/100cc			lonsdtaM		
JinU	ьэтА	Conc.	Лате		
			DS		

AOLATILES BAC CASEFILE WORKSHEET

	•	Reported Result				
110	110.0 622.0 702.0 812.0					
ngelM î	10 %S	ИgiН	моД	(၁၁၅)) I/g) nsəM (g/10	элО
%00°S	:(%MU)	y of Measure	Uncertaint	_,_,_,	Results	Reporting of
	Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm					
ed centrally.	vots zi noitamvofn	า านอนเการเนไ			noitemation	instrument It
Analysis Method Refer to Blood Alcohol Method #1						
A CONTRACTOR CONTRACTOR	400010	2812.0	2000.0	9812.0	4812.0	(33001\g)
1812.0	L000°0	8712.0	2000.0	6712.0	<i>TT</i> 12.0	Sample Results
Over-all Mean	Sample A-B Difference	oulsV asoM	Column Precision	Column 2 FID B	Column 1 A QIA	
Laboratory No.: QC2-1 Item # Analysis Date(s): 5/24/2022						

Calibration and control data are stored centrally.



Revision: 1 120/2021 Issue Date: 12/29/2021 Issuing Authority: Quality Manager Page: 1 of 1

Volatiles BAC Casefile Worksheet

2.0

Sample Name Laboratory Injection Date Vial # : QC-2-1-A : Meridian

Mq 41:91:

: C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM

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ət

Instrument #GC/HS
311/33# 45.5 55
Method Filename
1,2 1 1 7

Instrument #GC/HS
Method Filename

0.0

-0

FIDZ	2.132 / N-Propanol		1.328 / Ethanol			-0000S -00000T -0000ST - An
0.£ nim	2.2	0.2	3.5	0.τ	5 ,0	0.0
	2.482 / N-Propanol		1.467 / Ethanol			-000005
FIDT	Propanol		Ethanol			Vu

5001\g			Fluor. Hydrocarbon(s)
5001\g	726257	0000.0	N-Propanol
S/100cc			ənotəsA
S/100cc			lodoolA lyqorqoel
S/100cc	112260	7712.0	Ethanol
S/100cc			Methanol
tinU	ьэтА	Conc.	Иате
			ŢO

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2.0

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S/100cc			Flour. Hydrocarbon(s)
S/100cc	719087	0000.0	N-Propanol
25001/g			Isopropyl Alcohol
S/100cc			ənotəsA
S/100cc	752937	6712.0	lonsdf3
g\100cc			Methanol
JinU	Б91А	Conc.	Яате
			:IDS

uim

3.0

2.5

2

Fluor. Hydrocarbon(s) 3/100cc N-Propanol g\100cc 0000.0 267237 Acetone g\100cc Isopropyl Alcohol --S\100cc --Ethanol S\100cc 170765 4812.0 Methanol 3/100cc Иате Conc. Area JinU FID1 uim 0.0 2.0 2.5 0.2 J.5 0.1 0.5 T00000 2.132 / N-Propanol 1.328 / Ethanol ۸n **FID2** uim 0.0 0.1 2.0 2.5 3.0 2.5 0.2 -0 -00005 2.482 / N-Propanol -00000τ FID1 : C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM Method Filename Instrument #GC/HS

: QC-2-1-B

Sample Name Laboratory Injection Date Vial #

300L\g			Flour. Hydrocarbon(s)
g\100cc	293048	0000.0	N-Propanol
S/100cc			Isopropyl Alcohol
g\100cc			ənofəəA
g\100cc	131943	9812.0	lonsd13
S/100cc			Methanol
tinU	ьэтА	Conc.	Иате
			FID2

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		Reported Result				
† 00),0	280.0	\$ 70.0		870.0	
пкэМ	10 %S	ЯgiH	моЛ	(၁၁၅)	rall Mean (g/10	эчО
%00°S	ment (UM%):	y of Measure	inistrasnU Justrasini		Results	Reporting of
- Carp maga na	LOSS SI MOLERNI JOSÉ	1 11/AUM HSUT	mɔg.\m.səli	tsloV ,mɔg.\m.lor		Instrument In
I# bot					odtsM lodoslA	Refer to Blood
		1000		people Schwerzen betreit der Beiter	pot	HəM sisylanA
10/0.0	0000.0	₽8 70.0	0000.0	<i>\$</i> 870.0	4870.0	(၁၁ ⁰⁰¹ \g)
1870.0	9000'0	8770.0	1000.0	8770.0	6770.0	Sample Results
Over-all Mean	Sample A-B Difference	Mean Value	Column Precision	Column 2 FID B	Column 1 A AIA	
7707/77/5	Analysis Date(s):		# məəl		7-10A ::0	Laboratory N

Calibration and control data are stored centrally.

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Revision: 1 lssue Date: 12/29/2021 lssue Date: 12/29/2021 lssuing Authority: Quality Manager

Page: 1 of 1

Volatiles BAC Casefile Worksheet

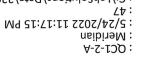


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0.5

2.5

0.2



Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

0.0

-0

2.0

2\20248 \ CT5292800409	
Solutions/Data\220524\CALIBRATION\ALCOHOL.GCM	: C:/Fab

FIDS		2.133 / N-Propanol	1.330 / Ethanol			
0.£ nim	2.5	0.2	3.5	۵.۲	2.0	0.0
			1.469 / Ethanol			-0000S
	Z-					-00000τ
EIDŢ	2.484 / N-Propanol					Λn

g\100cc			Fluor. Hydrocarbon(s)
3001/g	۲۸۹6۲	0000.0	lonsqorq-M
300£\g			ənotəsA
3\100cc			Isopropyl Alcohol
3001/g	44310	6 7 70.0	loned13
300£\g			lonstham
лiпU	ьэтА	Conc.	ЭшьИ
			IDI

0.τ

2.5

S/100cc			Fluor. Hydrocarbon(s)
3001/g	۷696۲	0000.0	N-Propanol
3001/g			Anotech
2500L\g			Isopropyl Alcohol
5001/g	44310	6770.0	lonsdf3
3001/g			Methanol
			SHIPM

5500L\g			Flour. Hydrocarbon(s)
g\100cc	307400	0000.0	lonsqor9-M
S/100cc			lodoolA lyqorqoel
g\100cc			ənotəəA
S/100cc	48422	8770.0	lonsdt3
S/100cc			lonsdaetham
tinU	ьэтА	Conc.	Иате
			7.01-1



32001/3			Flour. Hydrocarbon(s)
g\100cc	896667	0000.0	N-Propanol
55001\g			Isopropyl Alcohol
5500£\g			Acetone
22001\g	7 7927	4870.0	lonsd13
22001\g			lonsthaM
tinU	Агеа	Conc.	Явт
I			
3001\g			Fluor. Hydrocarbon(s)
55001\g	272979	0000.0	N-Propanol
3001\g			Acetone
10			

			1.33			-0	
0.E nim	5'2	0.2	S'T	0'τ	S '0	0.0	,013
	tinU	Area		.conc.	əu	т ЛвИ	FIDI
	300L\g				anol	Meth	
	300L\g	43237		4870.0	lon	e4t3	
	300L\g				lodoolA	Isopropy	
	300L\g				əuo	т э эА	
	300L\g	272979		0000.0	osuol	N-Prol	
	5500L\g				ocarbon(s)	Fluor. Hydro	

0.8 nim	2.5	0.2	S'T	0.τ	S *0	0.0
FID2		2.133 / N-Propanol	1.330 / Ethanol			
nim		<u> </u>				,,
3.0	2.5	2.0	S'T	0.τ	2.0	0.0
						0
	2,483		1.468 / Ethanol			
	N-P					-00000T
FIDT	2.483 / N-Propanol				φ.	Vu

: QC1-2-B : Meridian : 5/24/2022 11:26:23 PM : C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM : C12255750548 / C12595800409

Sample Name Laboratory Injection Date Vial #

Method Filename Instrument #GC/HS

AOLATILES BAC CASEFILE WORKSHEET

		n]ţ	eported Resr	 B		
110.0 722.0 202.0 212.0						
mesM i	10 %S	ИgіН	МоД	(၁၁၅)	rall Mean (g/10	элО
%00.2	:(%MU) tasm	y of Measure	InistraenU	_,_,_,	Results	Reporting of
Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm						
ed centrally.	vots si noitamvoln	า บารเกาแรนไ			noitemation.	nstrument Ir
	Analysis Method Refer to Blood Alcohol Method #1					
			To oo to	ZC1Z.0	CC17'0	
6912.0	2200.0	4712.0 	£000.0 1000.0	9712.0 2212.0	£712.0	(33001/g)
Over-all Mean	Sample A-B Difference	oulsV nsoM	Column Precision	Column 2 FID B	Column 1 FID A	Sample Results
Laboratory No.: QC2-2 Item # Analysis Date(s): 5/25/2022						

Calibration and control data are stored centrally.



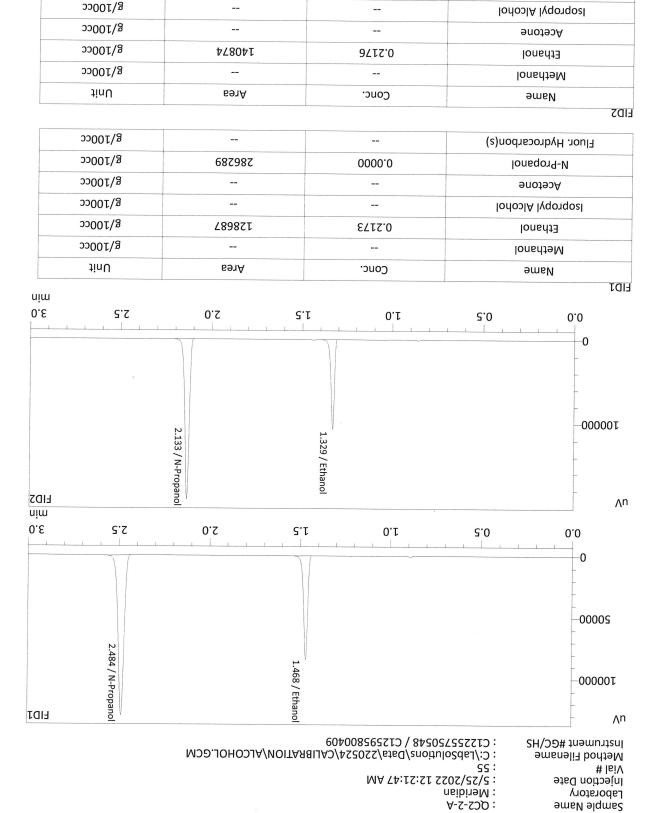
I :noisivaA

Issue Date: 12/29/2021 Issuing Authority: Quality Manager

3/100cc

S/100cc

314328



0000.0

Flour. Hydrocarbon(s)

N-Propanol

Sample Name Laboratory

Instrument #GC/HS
Method Filename
laiV
Injection Date
f loan loans

: CJ5522220248 \ CJ5262800406	
: C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	
99:	

uịш						:IDT
0.8	2.5	2.0	J.5	υ.τ	5 .0	0.0
						0
FIDS		2.133 / N-Propanol	1.329 / Ethanol			-00000Т
nim		<u>u</u>				Λn
3.0	2.5	0.2	1.5	0.1	S.0	0.0
	2.484 / N-Propanol		1.468/			-00000s
FIDT	ropanol		1.468 / Ethanol			Λn

3001/g			Fluor. Hydrocarbon(s)
3001\g	L9L88 Z	0000.0	N-Propanol
3001\g			Acetone
3001\g			Isopropyl Alcohol
3001/g	128601	0.2153	[Sthanol
3001\g			Methanol
JinU	БЭ1А	Conc.	Изте

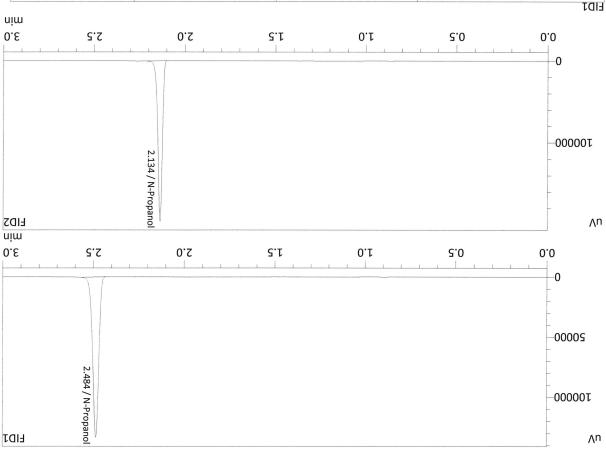
			FID2
3001\g			Fluor. Hydrocarbon(s)
3001/3	Z9Z88Z	0000.0	N-Propanol
3001/3			өпотээА
3001\g			Isopropyl Alcohol
3001/g	109871	0.2153	lonsd13
3001/g			Methanol
2010	20.07		

3001\g			Flour. Hydrocarbon(s)
3001/g	317082	0000.0	N-Propanol
300L\8			Isopropyl Alcohol
3001\g			enotech
3001\g	740274	0.2152	Ethanol
3001\g			Methanol
JinU	Б91А	Conc.	Иате

: INT STD BLUK : S/25/2022 12:38:52 AM : 57 : 57

: C12255750548 \ C12595800409

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS



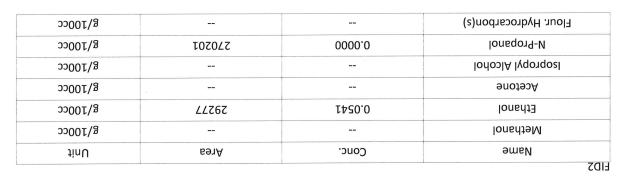
Methanol	3001\g			Fluor. Hydrocarbon(s)
Methanol g/100cc Ethanol g/100cc Sopropyl Alcohol g/100cc	500L\3	783582	0000.0	N-Propanol
Methanol g/100cc Ethanol g/100cc	500L\3			ənofəəA
g/100cc	2001\g	,		Isopropyl Alcohol
	2001\g			lonsht∃
NUO PON INCO DINO	2001\g			lonsdtaM
tig[] seat and	JinU	ьэтА	Conc.	Изте

S/100cc			Flour. Hydrocarbon(s)
3001/3	377609	0000.0	N-Propanol
3001/3			Isopropyl Alcohol
3001/3			ənotəsA
300L\g			lonsdt3
300L\g			lonstham
JinU	Агеа	Conc.	ЭтьИ
		1	-IDS

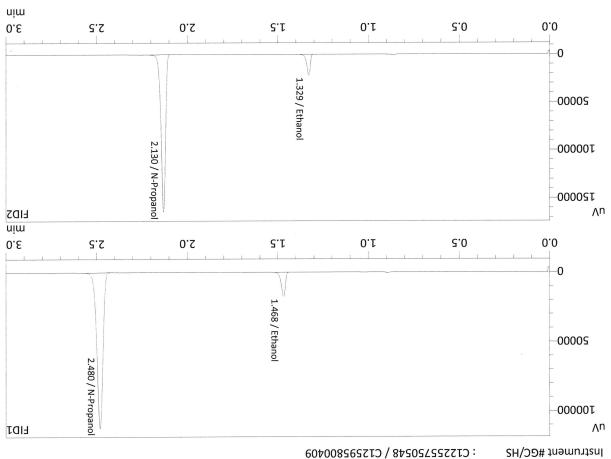
Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548 Shimadzu HS-20 Serial #C12595800409 Lab Solutions Software Ver. 5.99 Copyright (C) 2008-2020 Shimadzu Corporation

C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	INT STD BLNK	LS
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	OC5-5-B	95
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	OC5-2-A	55
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2089-1B	75
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-2089-1A	
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	W2022-2088-1B	2S 23
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM		
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-2088-1A	15
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	W2022-2075-1 A	05
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	OCI-5-B	67
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM		87
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C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-2070-1B	97
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M1-0702-2202M	St
C. Labolutional Data/20024/CALIDRAH ION/ALCOHOL. GCIA	M2022-2020A	<u> </u>
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2068-1A	<u>£</u> †
L'. Dado Louis Data (Louis All End All Molth All Colling All Colli	M2022-2055-1R	77
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2055-1A	I t
MIND JOHON IN MOITH ARI LANDA SACRIO INTO CARLO CONTRACTOR IN MOITH ARIAN AND TO THE CONTRACTOR IN MOITH AND TO THE CONTRACTOR IN MOITH AND THE CONTRACTO	M2022-2054-1B	07
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2054-1A	36
MODITORION IN INOITY ABILTY O'ACCOST MINIOR THIN IN INCIDENT O'ACCOST MINIOR MINIO	M2022-2053-1B	38
C:/TabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2053-1A	75
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2034-1B	98
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2034-1A	35
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2033-1B	34
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-2033-1A	33
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-1995-1B	35
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-1995-1A	31
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1992-1B	30
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-1992-1A	67
C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-1991-1B	87
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C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1990-1B	77
MODITORIAL AND ALL THE ATTENDED AND ALL THE ATTENDE	A1-0991-2202M	73
C:/TabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-1966-1B	77
C:/Cabsolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	A1-9961-2202M	7.1
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C:/Cabsolutions/Data/220524/CALIBRATION/ALCOHOL.GCM	M2022-1965-1A	61
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1964-1B	81
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C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1948-1B	91
MIOD, TOHOO IA MOITA ARI LA DIA 20022/min antitulo de l'O	A1-8491-2202M	SI
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1947-1B	τI
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	A1-7491-2202M	ΞĪ
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-19461-1B	12
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	A1-6461-2202M	II
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1945-1B	10
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1945-1A	6
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1944-1B	8
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	M2022-1944-1A	L
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	A-AO 80.0 B-AO 80.0	9
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	A-AQ 80.0	Š
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	OC-1-1-B	†
10 C:\LabSolutions\Data\220524\CALIBBATION\ALCOHOL.GCM		<u>£</u>
C:\LabSolutions\Data\220524\CALIBRATION\ALCOHOL.GCM	INT STUES EN 07	L
Method File	Sample Name	Vial#
1,u1 1/1	- molf olamo?	#10:/1



3001\g			Fluor. Hydrocarbon(s)
3001/g	767745	0000.0	N-Propanol
3001\g			Acetone
3001/g			Isopropyl Alcohol
25001\g	27014	6420.0	lonsdt3
3001/g			Methanol
tinU	Б97А	Conc.	ЭшьИ
tin[]	εθιΔ		θωείγ



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: 5/24/2022 12:06:08 PM

020.0:

Laboratory Injection Date Sample Name

lsiV

Method Filename

Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

: 0.100 : Meridian : 5/24/2022 12:13:28 PM : 5,24/2052 12:13:28 PM : C:\LabSolutions/Data/TEMPLATE\CALIBRATION\ALCOHOL.GCM : C12255750548 \ C12595800409

FIDS		2.128 / N-Propanol	1.326 / Ethanol			-00000T
o.ɛ nim	2.5	0.2	S'T	0.1	2.0	0.0
	2.480 / N-Propanol		1.467 / Ethanol			-0000S
FID1	loue					Λn

300L\g			Fluor. Hydrocarbon(s)
3001/g	704642	0.000.0	N-Propanol
2500L\g			Acetone
2500L\g			Isopropyl Alcohol
3001\g	40225	7960'0	Ethanol
25001/g			Methanol
tinU	ьэтА	Conc.	увте

0.1

2.0

0.0 -0

Z.S

3001/3			Flour. Hydrocarbon(s)
300£\3	223384	0000.0	N-Propanol
300£\3			lsopropyl Alcohol
300£\3			ənotəsA
300£\3	Z89EÞ	0960.0	Ionsdf
3001\g			Methanol
tinU	Area	Conc.	Изте
		1	:IDS

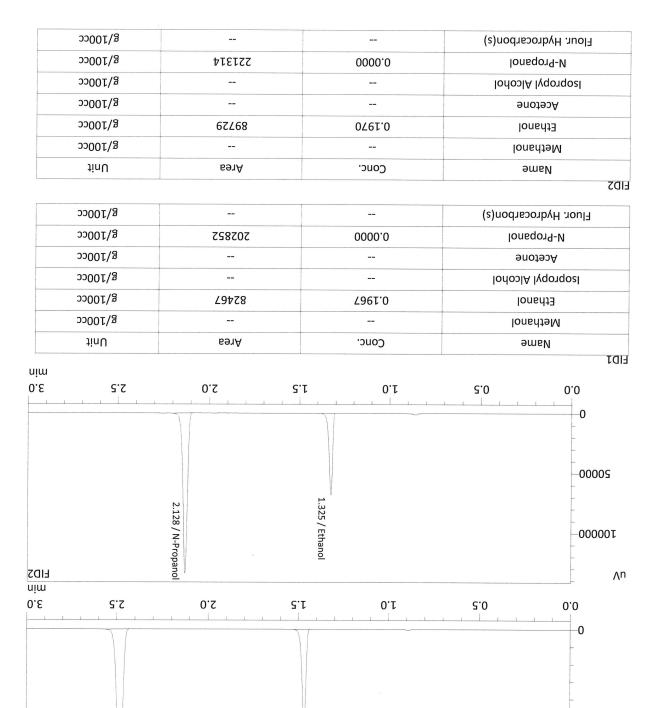
uịm 0.ε

2.5

2.0

2.479 / N-Propanol

FID1



1.466 / Ethanol

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-00005

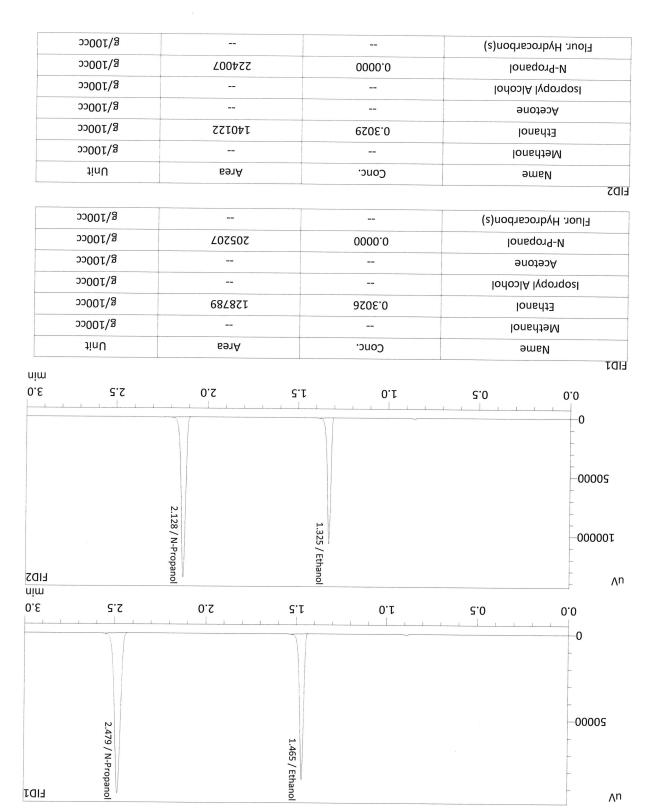
Method Filename Instrument #GC/HS

> Laboratory Injection Date

Sample Name

IsiV





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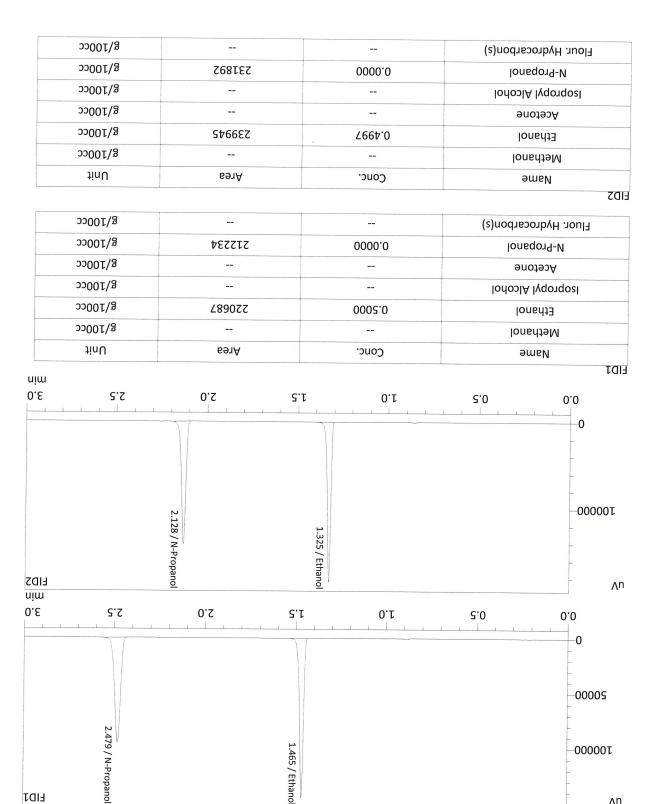
Instrument #GC/HS

Method Filename

Sample Name Laboratory Injection Date

laiV

FID1



1.465 / Ethanol

: C:\LabSolutions/Data/TEMPLATE\CALIBRATION\ALCOHOL.GCM

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T00000T

Instrument #GC/HS Method Filename

Laboratory Injection Date

Sample Name

Λn

Wial#



3001/g

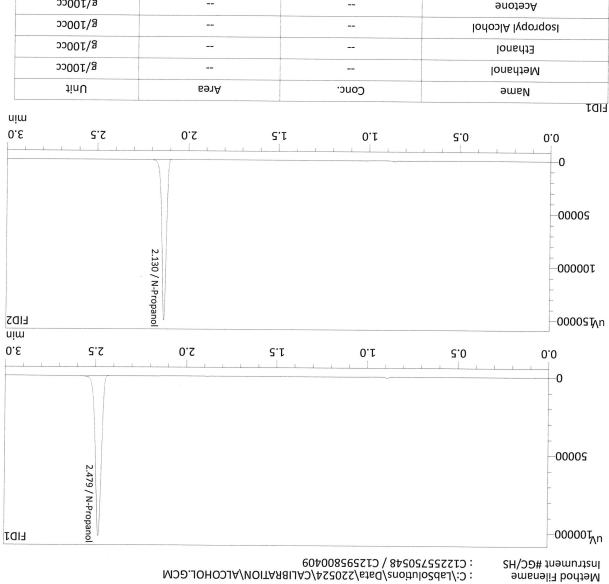
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Sel In In

12:46:02 PM

III loodtol
lsi'
njection Date
aboratory
ample Name

Flour. Hydrocarbon(s)



S/100cc	80\$977	0000.0	M-Propanol Fluor. Hydrocarbon(s)
3001/g			9notesA
2)100cc			Isopropyl Alcohol
25001\g			lonsd‡3
3001\g			lonsdfelM
JinU	Area	Conc.	Иате

3001\g	248219	0000.0	N-Propanol
3001/g			Isopropyl Alcohol
3001\g			ənotəsA
3001\g			Ethanol
S/100cc			lonshiel
tinU	ьэлА	Conc.	Язте
	ı		FID2
S\.TUUcc			(s)una ison indu sioni i

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Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548 Shimadzu HS-20 Serial #C12595800409 Lab Solutions Software Ver. 5.99 Copyright (C) 2008-2020 Shimadzu Corporation

ALCOHOL.GCM	0	0:Unknown	INL SLD BLK	9
ALCOHOL.GCM	S	1:Standard	0.50	ς
ALCOHOL.GCM	7	1:Standard	003.00	t
ALCOHOL.GCM	3	1:Standard	002.0	3
ALCOHOL.GCM	7	1:Standard	001.0	7
ALCOHOL.GCM	I	I:Standard:(I)	0.050	I
Method File	Level#	Sample Type	Sample Name	Vial#

Calibration Table

Instrument Serial # : C12262800409 \ C12226760648 | Instrument Name | : C1226648 | : C1226676048 | : C12266760648 | : C122667

:C:/LabSolutions/Data/220524/CALIBRATION/ALCOHOL.GCM :C:/LabSolutions/Data/220524/CALIBRATION/CALCURVE_TEMPLATE.gcb :G:/LabSolutions/Data/220524/CALIBRATION/CALCURVE_TEMPLATE.gcb :G/24/2022 12:32:38 PM :G/24/2022 12:413 PM

Date Modified <CData File>> Method File Batch File Date Acquired Date Created

FitType: Linear ZeroThrough: Not Through R^2 value= 0 Detector Name: FID1 Function : f(x)=0*x+0 Name : Methanol

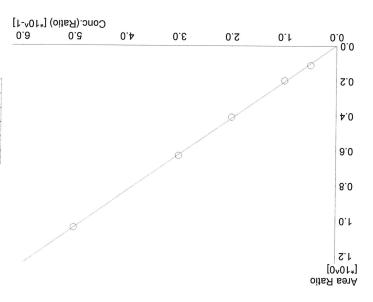
Std. Conc.	Area	Conc.	#
0 1.0		-	"

Not Ready

Detector Name: FID1 Function : f(x)=2.0880.vx-0.00434954 R^x value = 0.9996043 Name : Ethanol

FitType: Linear ZeroThrough: Not Through

0.3026	128789	0.300	Þ
Z960.0 7961.0	40225	001.0 002.0	3
6900.0	27014	000.0	l l
Std. Conc.	Area	Conc.	#



# Conc. Area Std. Conc.	
ZeroThrough: Not Through	
Function : f(x)=0*x+0 R^2 value= 0 FitType: _Linear	
Name : Fluor. Hydrocarbon(s) Detector Name: FID1	Not Ready
# Conc. Area Std. Conc.	
ZeroThrough: Not Through	
Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear	
Name : Acetone Detector Name : FID1	Иот Ready
# Conc. Area Std. Conc.	
ZeroThrough: Not Through	
Function : f(x)=0*x+0 R^2 value= 0 FitType: Linear	
Name : Isopropyl Alcohol Detector Name: FID1	Not Ready

R^2 value= 0 Name: Methanol Detector Name: FIDS Detector Since The D+x*0=(x)=0+x*0=0+

FitType: Linear ZeroThrough: Not Through

	Std. Conc.	Агеа	Conc.	#
--	------------	------	-------	---

Name: Ethanol
Detector Name: FID2
Function: f(x)=2.07869*x-0.00417658
R^2 value=0.9996121

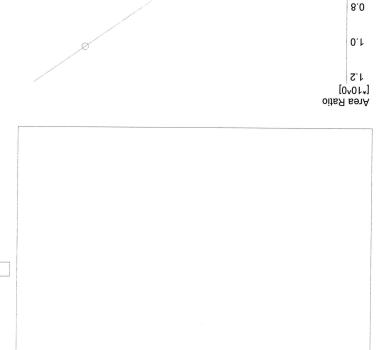
FitType: Linear ZeroThrough: Not Through

0200	0000	U
0791.0 62798	002.0	3
740152 0.3029 74945 0.4997	0.300	9

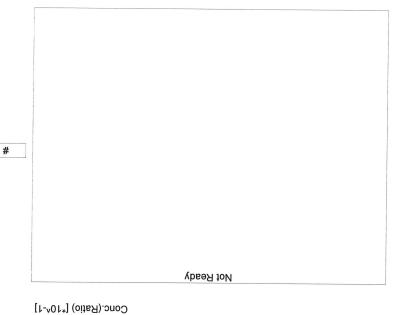
Defector Name: FIDS
Function: f(x)=0*x+0
R^2 value= 0
FitType: Linear
FitType: Linear Name : Acetone

ZeroThrough: Not Through

Std. Conc.	ьэтА	Conc.	
			_



Not Ready



3.0

2.0

0.1

0.0

2.0

4.0

9.0

0.4

Std. Conc. Area Conc. Name : Flour. Hydrocarbon(s)
Detector Name: FIDS
Function : f(x)=0*x+0
R^2 value= 0
FitType: Linear Not Ready Std. Conc. Area Conc. # Name: Isopropyl Alcohol
Defector Name: FIDS
Function: f(x)=0*x+0
R^\2 value= 0
FitType: Linear
ZeroThrough: Not Through Not Ready