Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number:

Volatiles Quality Assurance Controls

## REVIEWED

0.0824

0.0727-0.0889

0.0808

2101199

Feb-25

Level 1

0.0789

Overall Results

Acceptable Range

Target Value

Lot#

Expiration

Control level

Calibration Date: (if different)

Worklist #:

Run Date(s):

ML600HC11378

1/20/2023 1/20/23 6221 By Rachel Cutler at 8:04 am, Jan 24, 2023

0.2137

0.2123

0.1953-0.2387

0.2170

1907007

Jul-23

Level 2

g/100cc g/100cc g/100cc g/100cc g/100cc g/100cc

0.99964

Column2

0.99962

Column 1

FN06041902

Lot#

Oct. 2024

Exp:

Ethanol Calibration Reference Material

Curve Fit:

Multi-Component mixture:

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Column 1   Column 2   Precision   Mean	Mean
50	0.050	0.045 - 0.055	0.0545	0.0544	0.0001	0.0544
100	0.100	0.090 - 0.110	0.0988	0.0987	0.0001	0.0987
200	0.200	0.180 - 0.220	0.1961	0.1961	0	0.1961
300	0.300	0.270 - 0.330	0.2979	0.2982	0.0003	0.298
400	0.400	0.360 - 0.440	N/A	N/A	#########	#DIV/0!
200	0.500	0.450 - 0.550	0.5025	0.5023	0.0002	0.5024

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall	Verall Results
80	0.080	0.076 - 0.084	0.080	g/100cc

Revision: 5 Issue Date: 07/05/2022

Issuing Authority: Quality Manager

# Internal Standard Monitoring Worksheet

1/20/2023	
Run Date(s):	おから 一門 からから 一門 かっちゅう かんかん かんかん
6221	
Worklist #:	

2 Value	422	653	358	011	357	811			634	213	107	1112		
Column	208	212	210	212	258	249			229	237	266	268		
1 Value	2239	5046	1126	5520	7501	9738			1321	8421	4761	6959		
Column	192	196	761	195	237	229			21]	218	244	246		
Sample Name	0.080	0.080	QCI	QC1	QCI	QCI	QC1	QC1	QC2	QC2	QC2	QC2	QC2	OC2
	Sample Name Column 1 Value Column 2 Value	me Column 1 Value 192239	Column 1 Value 192239 196046	Column 1 Value 192239 196046 194126	Column 1 Value 192239 196046 194126 19520	Column 1 Value 192239 196046 194126 195220 237501	Column 1 Value 192239 196046 194126 195220 237501	Column 1 Value 192239 196046 194126 19520 237501 229738	Column 1 Value 192239 196046 194126 19520 237501 229738	Column 1 Value 192239 196046 194126 195520 237501 229738	Column 1 Value           192239           196046           194126           195520           237501           229738           21321           218421	Column 1 Value           192239           196046           194126           195520           237501           229738           211321           218421           244761	Column 1 Value           192239           196046           194126           195520           237501           229738           21321           218421           244761           246959	Column 1 Value 192239 196046 194126 194126 195520 237501 229738 229738 229738 224761 244761 244761

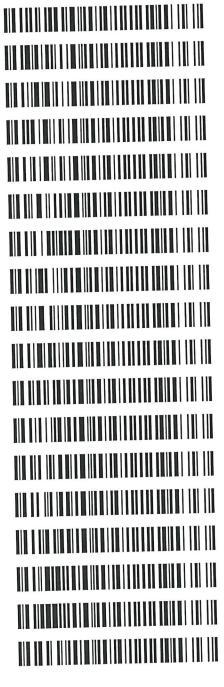
(+)20%	259995.8	282321.4
(-)20%	173330.6	188214.2
Average	216663.2	235267.8
	Column 1	Column 2



Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager



**ITEM TYPE** 

**DESCRIPTION** 

**TAB CASE** 

Worklist: 6221

METI

siaylsnA lodoolA	BCK	l	M2023-0200
sisylsnA lodoolA	BCK	l	M2023-0132
sisylsnA lodoolA	ВСК	l	7210-6202M
Alcohol Analysis	ВСК	l	M2023-0098
sisylsnA lodoolA	BCK	l	7600-8202M
eieylsnA lodoolA	ВСК	l	M2023-0053
siaylsnA lodoolA	ВСК	l	M2023-0037
Alcohol Analysis	ВСК	l	M2023-0029
Alcohol Analysis	ВСК	l	M2023-0028
Alcohol Analysis	BCK	l	7200-6202M
Alcohol Analysis	ВСК	l	M2023-0026
sisylsnA lodoolA	ВСК	l	M2023-0025
sisylsnA lodoolA	ВСК	l	M2023-0003
sisylanA lodoolA	ВСК	l	M2023-0002
Alcohol Analysis	ВСК	l	M2023-0001
Alcohol Analysis	BCK	l	M2022-5414
Alcohol Analysis	ВСК	ı	M2022-5413
sisylsnA lodoolA	ВСК	L	M2022-5403

: C122255750548 \ C12595800409

: 0.050 : Meridian : 1/20/2023 12:39:24 PM

-0 -00005 2.132 / N-Propanol T00000T FID2 ۸n uim 0.8 2.5 2.0 J.5 1.0 2.0 0.0 -0 1.466 / Ethanol -0005 2.483 / N-Propanol -00005 \_00057 Vu FIDI

		Fluor. Hydrocarbon(s)
S097/T	0000.0	N-Propanol
		9no193A
		Isopropyl Alcohol
19473	2420.0	Ethanol
		Methanol
Area	Conc.	Эшем
	509b/LT  E/Lb6L 	2094\(2\text{L}

1.0

2.0

0.0

Instrument #GC/HS Method Filename Injection Date Vial #

Sample Name Laboratory

J.S

			Flour. Hydrocarbon(s)
S/100cc	ZS0681	0000.0	N-Propanol
3001/8			Isopropyl Alcohol
3001\g			Acetone
g/100cc	£680Z	4420.0	
S/100cc			Ethanol
tinU	БЭТА		lonethanol
7,211	6010	Conc.	ЭшьИ
			EID2

uļш 3.0

2.5

# lsiV
Injection Date
Laboratory
access and

: 0.100 : Meridian : 1/20/2023 12:46:43 PM : C:\LabSolutions/Data\Z30120\CALIBRATION\ALCOHOL.GCM : C12255750548 \ C12595800409	Sample Name Laboratory Injection Date Vial # Method Filename Instrument #GC/HS

						- 14
uịш						:IDI
0.E		2.0	S'T	0.1	S:0	0.0
	,					0
		2.133	1.326 / Ethanol			-0000s
		2.133 / N-Propanol				- -00000T
nim FID2		anol				Λn
0.E	7.5	7.0	S'T	0'τ	S:0	0.0
			1.46			-0
	2.484 / N-Propanol		1.465 / Ethanol			- -0000s -
FID	panol	v				- - Дп

		Fluor. Hydrocarbon(s)
196928	0000.0	N-Propanol
		Acetone
		Isopropyl Alcohol
40821	8860.0	Ethanol
		Methanol
Агеа	Conc.	Name
	 12804  12804	

3001\g			Flour. Hydrocarbon(s)	
3001/g	213180	N-Propanol		
3001/g		Isopropyl Alcohol		
3001/g			Acetone	
S/100cc	43939	<b>7860.0</b>	Ethanol	
3001/B			Methanol	
tinU	Б97А	Conc.	Явте	
<u>'</u>			ZOI-	

: 0.200 : Meridian : 1/20/2023 12:54:04 PM

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

Λn

-00005 2.132 / N-Propanol 1.325 / Ethanol T00000T FID2 ۸n uju 0.5 2.5 S'T 0.2 1.0 2.0 0.0 -0 -0005Z 2.483 / N-Propanol -00005 -000SZ FIDT

: C:/LabSolutions/Data/230120/CALIBRATION/ALCOHOL.GCM

3001\g			Flnor. Hydrocarbon(s)	
S\100cc	981781	0000.0	lonsqor4-M	
S\100cc			ənofəəA	
S/100cc			Isopropyl Alcohol	
3001/g	94187	1961.0	Ethanol	
3001/g			lonsdiel	
JinU	Area	Conc.	əmsN	
			FID1	

1.0

2.0

0.0

-0

J.S

3001\g			Flour. Hydrocarbon(s)
S/100cc	502596	0000.0	Ionsqo <sup>1</sup> 9-M
g\100cc		Isopropyl Alcohol	
g\100cc			ənotəsA
S/100cc	84429	1961.0	lonsdt3
g\100cc			Methanol
tinU	Б91А	Conc.	Изте
			FID2

uịш 3.0

2.5

008.0:

Flour. Hydrocarbon(s)

N-Propanol

Isopropyl Alcohol

Acetone

**Ethanol** 

Methanol

Явше

Fluor. Hydrocarbon(s)

N-Propanol

Acetone

Isopropyl Alcohol

**Ethanol** 

Methanol

Name

**FID2** 

: Meridian

: C:\LabSolutions/Data\Z30120\CALIBRATION\ALCOHOL.GCM	
<b>†</b> :	
: 1/20/2023 1:03:02 PM	
LIMINITALIA	

: CT5522220248 \ CT5282800409

,	
Method Filename	
# lsiV	
Injection Date	
Laboratory	
Sample Name	

Instrument #GC/HS

uịш						FIDI
0.8	2.5	2.0	S'T	0.τ	S.0	0.0
						0
						-
						-0000S
		2				
		131/	1.3			-
		N-Pro	24/E			-00000т
FIDS		2.131 / N-Propanol	1.324 / Ethanol			-
nim		<u> </u>	<u>u</u>			
0.8	2.5	2.0	S'T	υ.τ	S.0	0.0
						0
						-
	,2		V			-00005
	483/		1.4			-
	2.483 / N-Propanol		1.464 / Ethanol			-
	opan		Ethar			
FIDI	<u> </u>		101			- ∧n



S\100cc

2001/g

S\100cc

g\100cc

S/100cc

S/100cc

tinU

S/100cc

g\100cc

g\100cc

S\100cc

g\100cc

2001/g

JinU

714447

136708

Area

198152

126328

Area

0000.0

2862,0

Conc.

0000.0

6762.0

Conc.

002.0:

Instrument #GC/HS

Method Filename Laboratory Injection Date Vial # Sample Name

: 1/20/2023 1:10:20 PM

: C:\LabSolutions\Data\Z30120\CALIBRATION\ALCOHOL.GCM : C12255750548 \ C12595800409

nim FID2		2.132 / N-Propanol	1.324 / Ethanol			-00000T - -
0.8	2.5	2.0	<b>5</b> 'T	ο.1	S.0	0.0
						0
						- -0000S -
			1.464 / Ethanol			- -00000т -
FIDT	opanol		Ethanol			Λn

3001\g			Fluor. Hydrocarbon(s)	
2001\B	199913	0000.0	N-Propanol	
S/100cc			ənofəəA	
S/100cc			Isopropyl Alcohol	
300L\B	212831	0.5025	lonsdt3	
S/100cc			Methanol	
tinU	Area	Conc.	Лате	
1			TC	

1.0

2.0

0.0

-0

S.1

_			
300L\8		lour. Hydrocarbon(s)	
S/100cc	216473	N-Propanol 0.0000	
S/100cc			Isopropyl Alcohol
S\100cc			Acetone
g\100cc	733214	0.5023	Ethanol
3001\g			Methanol
tinU	Area	Conc.	ЭшвИ
			FID2

uịш 3.0

2.5

: INT STD BLK

Laboratory Sample Name

: Meridian : 1/20/2023 1:18:44 PM

Method Filename Injection Date Vial #

0.0

FIDS		2.132 / N-Propanol				
nim						
0.8	5.7 2.483 / N-Propanol	2.0	S'T	Τ'.	S'0	0.0 - - - - - - - - - - - -
FIDI	ropanol					
		соног. есм	D/CALIBRATION/AL	t.12:44 PM tions/Data\23012	9:	Method Filename Instrument #GC/HS

g\100cc			Fluor. Hydrocarbon(s)
S/100cc	210634	N-Propanol longqor	
g\100cc			Acetone
3001/g			Isopropyl Alcohol
3001/B			Ethanol
S/100cc			Methanol
tinU	ьэчА	Conc.	этьИ
S 2 2 10			TO

1.0

2.0

S.I

g\100cc			Flour. Hydrocarbon(s)
S/100cc	228635	0000.0	N-Propanol
S/100cc			Isopropyl Alcohol
300L\B			anotaba
300L\B			Ethanol
S/100cc			Methanol
tinU	Area	Conc.	эшьИ
			FID2



uļш 3.0

2.5

# 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:Опклочп	INT STD BLK	0
ALCOHOL, GCM	S	I:Standard	002.0	9
ALCOHOL.GCM	b	I:Standard	008.0	5
ALCOHOL.GCM	3	I:Standard		7
ALCOHOL.GCM	7.	I:Standard	001.0	<u>ξ</u>
ALCOHOL, GCM	Ī	I:Standard:(I)	001.0	7
Method File	Level#	Sample Type	050.0	l l
	111111	our T clame?	Sample Name	Vial#

### Calibration Table

Laboratory : C12595800409 / C12255750548 instrument Name : C12595800409 / C12255750548

<<Data File>>
Method File
Batch File
Date Acquired
Date Created
Date Created

:C:/LabSolutions/Data/230120/CALIBRATION/ALCOHOL.GCM :C:/LabSolutions/Data/230120/CALIBRATION/CALCURVE\_TEMPLATE.gcb :1/20/2023 1:10:20 PM :1/20/2023 1:06:10 PM :1/20/2023 1:13:21 PM

Not Ready

FitType: Linear R^2 value= 0 Enuction:  $f(x)=0^*x+0$ Name : Methanol Detector Name: FID1

ZeroThrough: Not Through

01100 1010	Latina a		
Std. Conc.	Area	Conc.	#

Name : Ethanol

Detector Name: FID1 Function : f(x)=2.16078\*x-0.00628727 R^2 value= 0.9996283

Not Through	ZeroThrough:
Type: Linear	ji=

Std. Conc.	Area	Conc.	#
9490.0	19473	0.050	l
8860.0	12804	001.0	2
1961.0	94187	0.200	3
6762.0	126328	008.0	<b>7</b>
215831 0.5025		0.500	9

[1-^01*] (oi	onc.(Rat					
0.9	0.8	0.4	3.0	2.0	0.1	0.0
					e	3
					0	2.0
				0		4.0
						9.0
						8.0
/	0					0.1
					o	Area Ratio [*10^0] 1.2

Std. Conc. Conc. Area # FitType: Linear ZeroThrough: Not Through Name : Fluor. Hydrocarbon(s)
Detector Name: FID1
Function : f(x)=0\*x+0
R^2 value= 0
Ei\*Tveo: I inger Not Ready Std. Conc. Area Conc. # FitType: Linear ZeroThrough: Not Through Name : Acetone
Detector Name: FID1
Function : f(x)=0\*x+0
R^2 value= 0
R^2 value= 1 Not Ready Std. Conc. Area Conc. # FitType: Linear ZeroThrough: Not Through Name: Isopropyl Alcohol
Detector Name: FID1
Fanction: f(x)=0\*x+0
RA2 x3lue= 0
E4x195: Lisper Not Ready

Name : Methanol

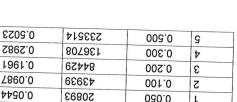
Defector Name: FIDS
Function: f(x)=0\*x+0
R^2 value= 0
FitType: Linear
FitType: Linear

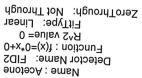
Std. Conc. Area Conc.

Name : Ethanol Detector Name : FIDZ Detector Name: FIDZ S44\*x-0.00726304 NATURAL O.9996462 NATURAL S44 NATURA S44 NATURAL S44 NATURA S

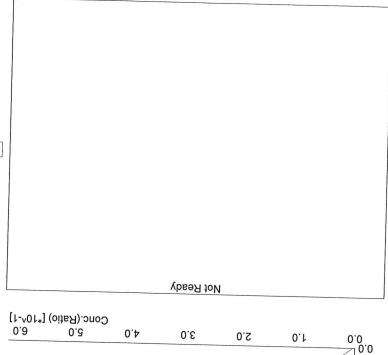
FitType: Linear ZeroThrough: Not Through

1961.0 2862.0	8078	002.0	8
7860.0	43939	001.0	2
4480.0	20893	090.0	1
Std. Conc.	БЭ1А	Conc.	#





Std. Conc.	Area	Conc.	#
			111



Not Ready

2.0

4.0

9.0

8.0

0.1

2.1 [0,01\*] Area Ratio



Std. Conc. Area Conc. Name : Flour. Hydrocarbon(s)

Defector Name: FID2
Function : f(x)=0\*x+0
R^2 value= 0
FitType: Linear
FitType: Linear Not Ready Std. Conc. Area Conc. Name: Isopropyl Alcohol
Defector Name: FID2
Function: f(x)=0\*x+0
R^2 value= 0
FitType: Linear
FitType: Linear Not Ready

: I/Z0/2023 2:10:22 PM : Meridian : 1/20/2023 2:10:22 PM

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

: C12255750548 / C12595800409	
T:	
NIA 77'OT'7 C707/07/T	

uịш						FID1
3.0	2.5	2.0	S.I	0.1	2.0	0.0
						1 1
		\				0
						-
						-
						20000
		2				-
		131,				
		2.131 / N-Propanol				-00000т
		ropa				
nim FID2		<u>no</u> 1				Λn
0.£	2.5	0:7				
<u> </u>		0.2	S"T	0'τ	S'0	0.0
						0
						-
						_
						-
						-
	2.48					-00005
	3/2					-
	I-Pro					ŀ
FIDI	2.483 / N-Propanol					
	_					Λn

32001/3			
33001/15			Flnor. Hydrocarbon(s)
3001\B	208137	0000.0	N-Propanol
3200L\B			Acetone
2500L\B			- A
S/100cc			Isopropyl Alcohol
3001\g			lons413
tinU	Area		lonsdteM
., , , ,	6914	Conc.	Изте

S/100cc			
•			Flour. Hydrocarbon(s)
3001\g	726031	0000.0	N-Propanol
3001/B			
32001/3			Isopropyl Alcohol
•			Acetone
500L\8			Ethanol
300L\B			Methanol
tinU	691A	Conc.	
	•	3405	əmeN
			IDS

: MIXED VOLATILES FN 06041902 : 1/20/2023 2:17:42 PM

Sample Name Laboratory Injection Date Vial #

Method Filename Instrument #GC/HS

: C122255750548 / C12595800409 : C12255750548 / C12595800409

tin11	Area		conc.	Язше	
uju					EIDT
D.5 2.2	0.2	S'T	0.τ	s.0	0.0
	2.13		1.105 / Methanol		0 - - - -0000SZ
	3 / N-P	1.326 / Ethanol	Metha		-000032
	2.133 / N-Propanol	1.431 / Acetone	no_		- -00000S
FIDZ		etone			Λn
uļu					
2.5	7.0	S'T	0.1	S.0	0.0
2.483/	11	1.4	1.159 / Methanol		0
2.483 / N-Propanol	1.795 / Isopropyl Alcohol	1.465 / Ethanol	lethanol		-0000SZ - -
FIDI	hol				Λn

3001\g			Fluor. Hydrocarbon(s)
300L\g	881972	0000.0 lonsqor	
3001/g	961948	0000.0	enotech
3001/g	05/444	0000.0	Isopropyl Alcohol
3001\g	767160	5024.0	lons413
g\100cc	127836	0000.0	lonsdisM
tinU	Area	Conc.	ЭшвИ

500L\B		Flour: Hydrocarbon(s)	
S\100cc	SS686Z	N-Propanol 0.0000	
3001/g	∠6808 <del>1</del> ⁄	0000.0	Isopropyl Alcohol
3001/g	864749	0000.0	Anotech
S\100cc	972687	6124.0	lonsdi
S/100cc	908887	0000.0	lonsdieW
JinU	Агеа	Conc.	ЭшвИ
		L	FID2

### **AOLATILES BAC CASEFILE WORKSHEET**

which the way have you have a settle to a training		人名特勒克 的复数电影	age of the factor of the spirit	of the visit pane to the taken that	the selection was to see the selection
	Reported Result			:sətoN	
echiques versus conferences ( or the conference of the conference	and the second and the second		, <b>a</b>	the state of the state of the state of the	September 1 and benefit to which the
870.0	280.0 470.0 870.0				<b>†</b> 00
(g) meaM HeravO	Overall Mean (g/100cc) Low High				Mean
Reporting of Results		Uncertaint	y of Measurer	nent (UM%):	%00.2
	and the production of the same	action to like my the entire new to	06 00 00 00 00 00 00 00 00 00 00 00 00 0	-e-/	en primara partir il mente del
ofer to Instrument Method: Alc	loV ,mɔg.\m.loı	mog.\m.esli			
nstrument Information			น่ โทจตนาปรกไ	ovote si noitomrotr	га свиџа пју.
Analysis Method Refer to Blood Alcohol Method #1					
	The party of the beat of a	er og professor forst street en en	the Color State St	and the state of t	
(22001/g)	2670.0	1000.0	2670.0	9000.0	6870.0
9870.0	9870.0	0000.0	9870.0	9000 0	00200
Sample Results				2211212111	
Column I FID A Sample Results	Column 2 FID B	Rolumn Precision	Mean Value	Sample A-B	Over-all Mean

Calibration and control data are stored centrally.

20

Revision: 2 S202/2022

Issuing Authority: Quality Manager

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

22\20248 \ CTS282800408	: CJ55
Solutions/Data/230120/CALIBRATION/ALCOHOL.GCN	: C:/۲9
	С.

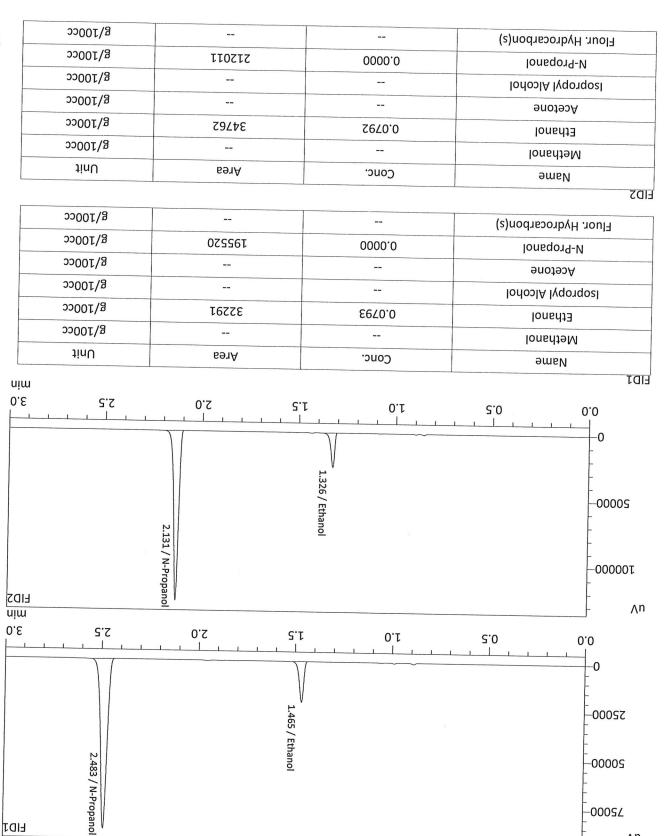
FID1 uịш 0.5 2.5 0.2 J.S 1.0 2.0 0.0 -00005 -00000т nim FID2 ۸n 3.0 2.5 0.2 J'2 1.0 0.0 2.0 -0 1.465 / Ethanol \_000SZ 2.482 / N-Propanol -00005 -00052 FIDI Λn

55001\B			Fluor. Hydrocarbon(s)
S/100cc	971761	0000.0	N-Propanol
300L\B		Acetone	
300L\B		oropyl Alcohol	
3200L\B	31782	9870.0	lonsd13
3200L\B			Methanol
tinU	Area Unit		ушей

3001/g			Flour. Hydrocarbon(s)	
S\100cc	210358	0000.0	N-Propanol	
S\100cc			Isopropyl Alcohol	
g\100cc			anotabaA	
S/100cc	34243	9870.0	lonsdf3	
S/100cc			lonsithaM	
tinU	Агеа	Conc.	ЭшвИ	
			70	

90

FIDT



: C15522220248 \ C15292800409

: 1/20/2023 2:33:47 PM

: Meridian

: GC-1-1-B

: C:/LabSolutions/Data/230120/CALIBRATION/ALCOHOL.GCM

Λn

# IsiV

Instrument #GC/HS

Method Filename

Injection Date

Sample Name

Laboratory

### **AOFVLIFES BYC CYSELIFE MOBKSHEET**

	Notes:		080.0			
		ult	eported Res	N	-10-10 A. U.S. AW-95-28	
<b>†</b> 00	\$00.0 \$80.0 080.0					
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%00°S	:(%MU) tnem	ty of Measure	nistracin'		Results	Reporting of
Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm						
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Refer to Blood Alcohol Method #1						
hodisis Method						
THE RESERVE OF THE PARTY OF THE		2280.0	1000.0	2280.0	6280.0	(၁၁ <u>001/g</u> )
2080.0	<b>1</b> ,500,0	8870.0	2000.0	7870.0	6870.0	Sample Results
Over-all Mean	Sample A-B Difference	oulsy asoM	Column Precision	KID V KID R		
Oratory No.: 0.080 QA Item # Analysis Date(s): 1/20/23				N Yrotry M		

Calibration and control data are stored centrally.

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Volatiles BAC Casefile Worksheet

FIDI

200cc

Flour. Hydrocarbon(s) g\100cc 208422 0000.0 N-Propanol S/100cc Isopropyl Alcohol S/100cc Acetone S\100cc 92688 7870.0 **Ethanol** S/100cc Methanol JinU Area Conc. Name FID2 S/100cc Fluor. Hydrocarbon(s) S\100cc 192239 0000.0 N-Propanol S/100cc --Acetone S/100cc Isopropyl Alcohol S/100cc 31285 6870.0 Ethanol 2000L\B --Methanol JinU Area Conc. Name FIDI uịш 0.8 2.5 0.2 S.I 1.0 2.0 0.0 -0 1.325 / Ethanol -00005 2.131 / N-Propanol T00000T FID2 Λn uim 9.8 2.5 2.0 2.5 1.0 2.0 0.0 -0 1.465 / Ethanol -0005Z 2.483 / N-Propanol -00005

: C15522220248 \ C15292800409

: 1/20/2023 2:41:31 PM

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: C:/LabSolutions/Data/230120/CALIBRATION/ALCOHOL.GCM

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# IsiV

Instrument #GC/HS

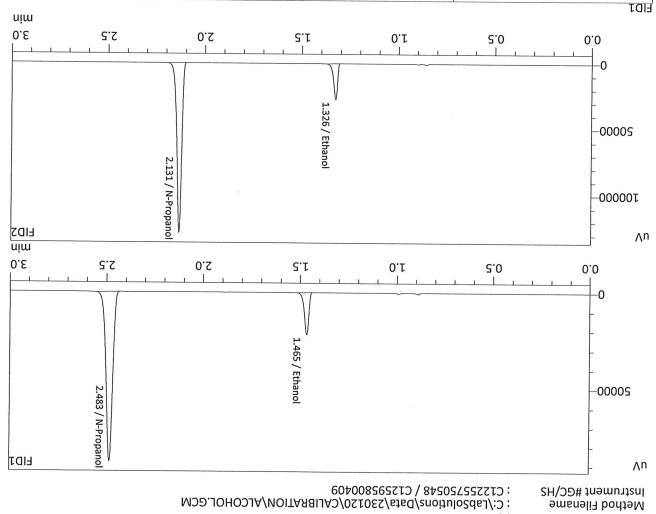
Method Filename

Injection Date Laboratory

Sample Name

		Flour. Hydrocarbon(s)	
212653	0000.0	N-Propanol	
		Isopropyl Alcohol	
		Acetone	
64298	2280.0	Ethanol	
*		lonshiel	
Area	Conc.	эшьИ	
	 6 <u>/</u> 798	 67238	

S/100cc			Fluor. Hydrocarbon(s)
S/100cc	940961	0000.0	N-Propanol
S/100cc			ənotəsA
S\100cc			Isopropyl Alcohol
S\100cc	33672	6280.0	lonedta
300L\g			lonsthamol
tinU	Б91А	Conc.	эшвИ



: 0.08 QA-B : Meridian : 1/20/2023 2:50:15 PM : 6 : C:\LabSolutions\Data\Z30120\CALIBRATION\ALCOHOL.GCM : C12255750548 \ C12595800409

Sample Name Laboratory Injection Date Vial #

### *AOFVLIFES BYC CYSELIFE MOKKSHEEL*

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nsəM 10 %2	изiH	моД	(၁၁႐	01/g) nsəM (g/10	ауO	
%00.2 :(%MU) to	у от Меаѕигетег У	JnistrasinU		gesnīts	Reporting of I	
mation is stored centrally.	Instrument Information is stored centrally.  Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm					
	Analysis Method  1# boola Alcohol Method #1					
Section of the sectio			nation and the second			
7£12.0 0000.0	7£12.0	0000.0	7£12.0	7812.0	(၁၁ <u>001/g</u> )	
26120 00000	7512.0	£000.0	9812.0	9£12.0	Sample Results	
neaM lle-ravO Over-all Mean acrement		Column Precision	Column 2 FID B	Column I A QIA		
1/20/23 Date(s): 1/20/23	# məəl		0.: QC 2-1	Laboratory N		

Calibration and control data are stored centrally.



Revision: 2 lssue Date: 12\27\2022 lssue Date: 42\27\2022

: C12255750548 / C12595800409 : C12255750548 / C12595800409 : C12255750548 / C12595800409

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

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EIDZ		2.132 / N-Propanol	1.327 / Ethanol			-00000T
uim						
0.8	2,5	2.0	ST	0.τ	S'0	0.0
FIDI	2.482 / N-Propano		1.465 / Ethanol			0 

g\100cc		=-	Fluor. Hydrocarbon(s)
g\100cc	211321	0000.0	N-Propanol
g\100cc			enotecA
g\100cc			Isopropyl Alcohol
g\100cc	11796	9812.0	lonsdt3
g\100cc			Methanol
tinU	Агеа	Иате Сопс.	
			TOI:

1.0

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S\100cc			Flour. Hydrocarbon(s)
S\100cc	729634	0000.0	N-Propanol
2) JOOC			Isopropyl Alcohol
2) TOOCC			Acetone
S\100cc	104251	9812.0	lonsd13
2) JOOT\B			Methanol
JinU	Агеа	Conc.	ЭшьИ
		1	:IDS

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: T/S0/S0S3 2:35:03 PM : Meridian : QC-2-1-B

: CT5522.	Instrument #GC/HS
: C:/rsp2	Method Filename
97:	# lsiV
: 1/20/20	Injection Date
: Meridia	Laboratory
: OC-5-1-	Sample Name

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FID2		2.133 / N-Propanol	1.327 /Ethanol		-0000S
nim					_
0.8	S'7	2.0	S'T 0'T	S'0 (	0.0
	2.				
FID1	2.482 / N-Propanol		1.465 / Ethanol		Vu

	33001/15	ICVOIC		0000 0	Jourse	10 N	
	3001\g	DD007/B		Acetone			
	3001\g	g/100cc			lodoolA	lsobropyl	
	3001\g	16466 \\ \tag{\test{E12.0}}		lon	Etha		
	2001\g				lons	Meth	
	tinU	Conc. Area Unit		Conc.	əu	ısN	
_							FID1
uị	w						
0.	2,5	2.0	S'T	0.τ	S.0	0.0	
						0	
		)	) [			0	

Area Anit		.ono	ЭшвИ
			FID2
g\700cc			Fluor. Hydrocarbon(s)
3) TO0cc	218421	0000.0	lonsqor4-M
3) TO0cc			Acetone
3001/g			Isopropyl Alcohol
3/100cc	16466	7512.0	lonsdt3
2200T/8			IOUBINELIAIOI

S/100cc			Flour. Hydrocarbon(s)
S/100cc	237213	0000.0	N-Propanol
S/100cc			Isopropyl Alcohol
300L\B			ənotəsA
S/100cc	798401	<b>7</b> £12.0	lonsdt3
3001/g			lonsdf9M
tinU	Area	Conc.	Изте

### **VOLATILES BAC CASEFILE WORKSHEET**

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	:sətoV	Reported Result						
S00°	\$00.0		780.0 770.0		780.0		280.0	
пвэМ 10	0 %5	ИgiH	WoJ	(၁၁၅)	01/g) nsəM llsı	элО		
%00.2 :		ty of Measure	Uncertain		Results	Reporting of		
ned centrally.	Instrument Information Instrument information is stored centrally. Refer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm							
	Analysis Method  1# hond Alcohol Method #1					Analysis Meth		
		1.680,0	0000.0	1880.0	1 £80.0			
4280.0	£100.0	8180.0	1000.0	8180.0	6180.0	Sample Results (g/100cc)		
Over-all Mean	Sample A-B Difference	Mean Value	Column Precision	Column 2 FID B	Column 1 A AIA			
Oratory No.: QC 1-2 Item # Analysis Date(s): 1/20/23			Vaboratory N					

Calibration and control data are stored centrally.



Revision: 2 | Issue Date: 12/27/2022 | Issue Date: 12/27/2022

Page: 1 of 1

Volatiles BAC Casefile Worksheet

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: CJ7522	Instrument #GC/HS
: C:/Lab	Method Filename
St:	# lsiV
: 1/50/5	Injection Date
: Meridi	Laboratory
: OCI-5	Sample Name

: C12255750548 / C12595800409 : C12255750548 / C12595800409

0.8	2.5	0.2	S'T	0.τ	2.0	0.0
						1
FID2		2.132 / N-Propanol	1.328 / Ethanol			-00000T -0000ST -00000ST
nim						
0.8		2.0	1.466 / Ethanol	0.1	S'0	0.0 
FID1	anol					

3001/3			Fluor. Hydrocarbon(s)
300L\B	737501	0000.0	N-Propanol
3001/B			9not95A
3001/8			Isopropyl Alcohol
3001/g	84204	6180.0	lonsdf3
300L\B			Methanol
tinU	Conc. Area Unit		эшьИ
			TOI

g\100cc	, ,		Flour. Hydrocarbon(s)	
g\100cc	758357	0000.0	N-Propanol	
g\100cc			Isopropyl Alcohol	
g\100cc			Acetone	
g\100cc	19864	8180.0	lonsdt3	
g\100cc			Methanol	
tinU	Area	Conc.	ЭшвИ	
			-IDS	

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

: QC1-2-B : Meridian : 1/20/2023 8:16:15 PM : 46 : C12255750548 / C12595800409

2.482 / N-Propanol 단		
	60400866517 \ 84606\ 667717 .	CH/DD#

uịш						EID1
3.0	2.5	0.2	S'T	0,τ	5.0	0.0
		2.133 / N-Propano	1.328 / Ethanol			-000005 
FID2		anol V				-0000ST <sub>\</sub> n
uim						
0.8	2.5	2.0	S'T	υ'τ	S.0	0.0
						0
			1.466			-
	2.482 / N-Propanol		1.466 / Ethanol			-0000S - - -
FID1	) Janol					-00000T <sub>\\n</sub>

5500L\g			Fluor. Hydrocarbon(s)	
S/100cc	229738	0000.0	N-Propanol	
S/100cc			ənofəsA	
2001\g			Isopropyl Alcohol	
3001\g	74868	1880.0	lonsht3	
3001\g			lonsdteM	
JinU	Area	Conc.	ЭшьИ	

S\100cc			Flour. Hydrocarbon(s)	
S/100cc	118642	0000.0	N-Propanol	
S/100cc			Isopropyl Alcohol	
S/100cc			Anotaba	
S/100cc	43089	1880.0	lonsdt3	
3001\g			lonsdieW	
tinU	Агеа	Conc.	ЭшвИ	
			7.01-1	

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	:sətoN	Reported Result				
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ngəM î	0 %\$	ЯgiH	woJ	(၁၁၇)	11/g) nsəM (g/10	эvО
%00°S	:(%MU) tasm	ty of Measure	Uncertain		Results	Reporting of 1
	Mefer to Instrument Method: Alcohol.m/.gcm, Volatiles.m/.gcm					
น[[บสนอง pอง	iojs si noiibmrofu	<u> 1 пошилья</u>		I# P	pater 12 page 1 who	Refer to Blood Instrument In
					poi	Halysis Meth
CTITIO	C00010	8212.0	2000.0	9212.0	7212.0	(၁၁ <u>001/g</u> )
0.2123	6000.0	6112.0	0000.0	6112.0	6112.0	Sample Results
Over-all Mean	Sample A-B	oulkV nroM	Column Precision	Column 2 FID B	Column 1 A AIA	
Item # Malysis Date(s): 1/20/23					o:: QC 2-2	Laboratory N

Calibration and control data are stored centrally.

Revision: 2 Sevision: 2 Sevision: 2 Sevision: 2

Issuing Authority: Quality Manager

Page: 1 of 1

Volatiles BAC Casefile Worksheet

: 1/20/2023 8:24:36 PM

Sample Name Laboratory

Injection Date Vial #

Method Filename Instrument #GC/HS

: C:\LabSolutions\Data\Z30120\CALIBRATION\ALCOHOL.GCM

		2.132 / N-Propanol		1.326 / Ethanol			-00005 00000T 0000ST
FID2		anol V		<u> </u>			Λn
nim							
0.5	2,5	0.9	T'S S'T		0.1	2.0	0.0
	2.4						-0 - - - - - -0000S
FID1	2.481 / N-Propanol		1.465 / Ethanol				- Vu

S/100cc			Fluor. Hydrocarbon(s)
300L\g	7944767	0000.0	N-Propanol
3001/g			Acetone
3001/B			Isopropyl Alcohol
3001\g	110228	6112.0	lonsd13
3001/B			lonsdtaM
JinU	Area	Conc.	Лате
10			IDI

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S\100cc			Flour. Hydrocarbon(s)
g\100cc	201997	0000.0	N-Propanol
g\100cc			Isopropyl Alcohol
S/100cc			Anotech
S\100cc	120014	6112.0	lonsdt3
3001\g			Methanol
tinU	Area	Conc.	ЭшьИ
			-IDS

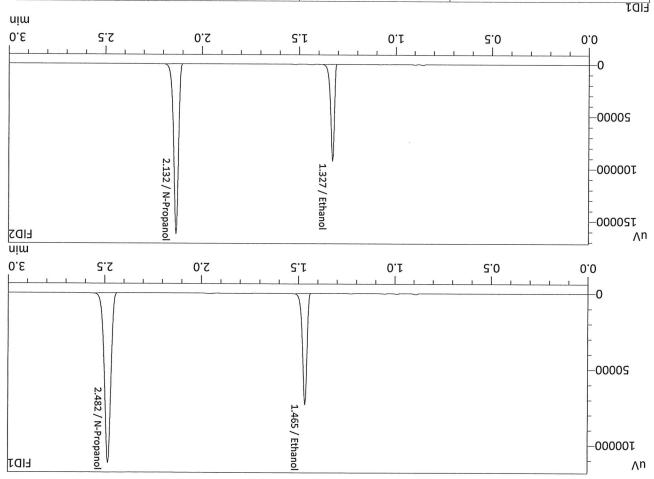


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2.5

3001\g			Flour. Hydrocarbon(s)		
g\100cc	268112	0000.0	N-Propanol		
S\100cc			Isopropyl Alcohol		
2001\g			anotabA		
S/100cc	121449	6212.0	lonshia		
S\100cc			lonsdieM		
JinU	Агеа	Conc.	этьИ		

g/100cc			Fluor. Hydrocarbon(s)
g/100cc	656947	0000.0	N-Propanol
g/100cc			Acetone
S/100cc			Isopropyl Alcohol
g/100cc	066111	7212.0	lonsdi
S/100cc			lonsdieW
tinU	Агея	Conc.	ЭшвИ



: C12255750548 \ C12595800409

: 63/50/5053 8:33:12 bW : T/50/5053 8:33:12 bW : GC5-5-B

Sample Name Laboratory Injection Date Vial #

Instrument #GC/HS Method Filename

: INT STD BLK

Injection Date Vial # Method Filename Wethod Filename Sample Name Laboratory

Instrument #GC/HS

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		2.134 / N-Propanol				-
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	2.483 / N-Propano					T00000T
τa	H 00 V					⊢ ∧n

300L\B			Fluor. Hydrocarbon(s)
300L\g	539889	0000.0	N-Propanol
300L\g			9not95A
3001/g			Isopropyl Alcohol
3001/g			lonsdt3
300L\B			lonsdteM
tinU	Area	Conc.	ЭшвИ
	1		FID1

J.5

1.0

2.0

S/100cc			Flour. Hydrocarbon(s)
S\100cc	969097	0000.0	N-Propanol
22001\g			Isopropyl Alcohol
22001\g			9not95A
3001\g			lonsd13
S/100cc			lonsdf9M
JinU	Area	Conc.	ЭтеИ
			-ID2



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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

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Method File	Sample Name	Vial#
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