BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number:

ML600HC11378

Volatiles Quality Assurance Controls

Run Date(s):

4/18/24

Calibration Date: (if different) 4/11/24

Worklist #:

6779

				1102	Kilst II.		0117	
Control level	Expiration	Lo	ot#	Target	Value	Acceptab	le Range	Overall Results
								0.0777 g/100cc
Level 1	Feb-25	210	1199	0.0	808	0.0727-	0.0889	g/100cc
								g/100cc
								0.2018 g/100cc
Level 2	Mar-26	211	0181	0.2	030	0.1827-	0.2233	g/100cc
								g/100cc
Multi-Compo	nent mixture:	Exp:	Oct	. 24	Lot#	FN060	41902	
	Curve Fit:			Column 1	0.9	9964	Column2	0.99959

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0537	0.0537	0	0.0537
100	0.100	0.090 - 0.110	0.1002	0.1005	0.0003	0.1003
200	0.200	0.180 - 0.220	0.1951	0.1946	0.0005	0.1948
300	0.300	0.270 - 0.330	0.2984	0.2983	1E-04	0.2983
400	0.400	0.360 - 0.440	N/A	N/A	########	#DIV/0!
500	0.500	0.450 - 0.550	0.5024	0.5026	0.0002	0.5025

Aqueous Controls

Control level	Target Value	Acceptable Range	Overal	l Results
80	0.080	0.076 - 0.084	0.082	g/100cc

REVIEWED

By Jeremy Johnston at 1:41 pm, Apr 18, 2024

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Revision: 5

Issue Date: 07/05/2022 Issuing Authority: Quality Manager

BLALC Volatiles QA_QC Data Spreadsheet-v5.xls

Page: 2 of 2

Internal Standard Monitoring Worksheet

Worklist #:	6779	Run Date(s):	4/18/24

Internal Standard Solution:	Prep Date:	3/13/2024	Exp Date:	9/13/2024
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Sample Name	Column 1 Value	Column 2 Value
0.080	185109	198192
0.080	184601	197930
QC1	188512	202405
QC1	184960	198217
QC1		
QC2	189416	203014
QC2	199285	214510
QC2		

	Average	(-)20%	(+)20%
Column 1	188647.2	150917.7	226376.6
Column 2	202378.0	161902.4	242853.6

90

Revision: 5

Issue Date: 07/05/2022

Issuing Authority: Quality Manager

Worklist: 6779

LAB CASE ITEM ITEM TYPE DESCRIPTION

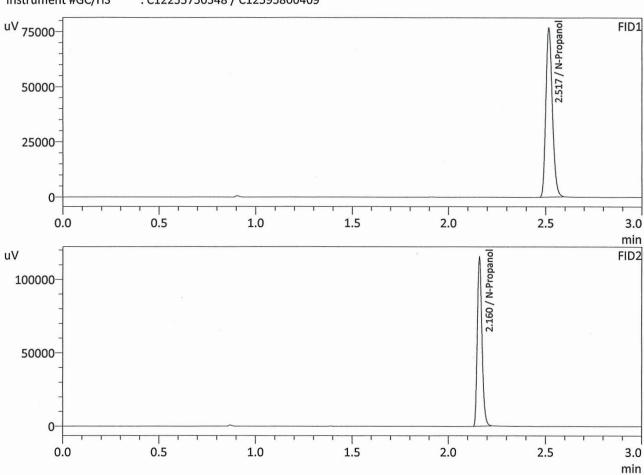
M2024-1450 1 BCK Alcohol Analysis



Method Filename Instrument #GC/HS

: ISTD BLK 1 : Meridian : 4/18/2024 9:51:45 AM : 1

: Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409



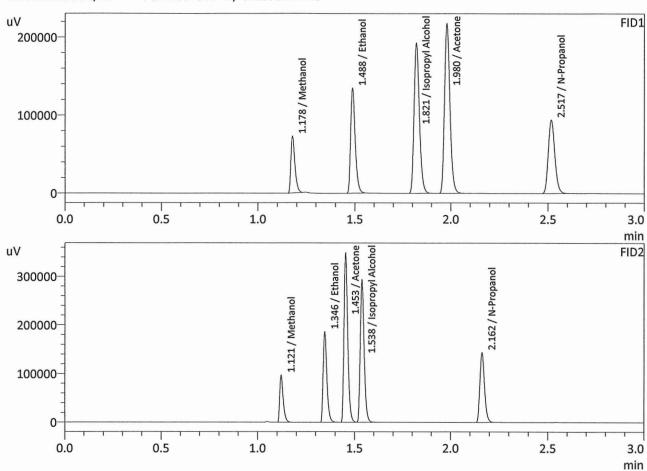
D1			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol			g/100cc
Isopropyl Alcohol			g/100cc
Acetone			g/100cc
N-Propanol	0.0000	179004	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

ID2			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol			g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	191568	g/100cc
Flour. Hydrocarbon(s)			g/100cc

: MIXED VOLATILES FN 06041902 : Meridian : 4/18/2024 9:59:04 AM

Method Filename Instrument #GC/HS

: Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409



FID1			
Name	Conc.	Area	Unit
Methanol	0.0000	105636	g/100cc
Ethanol	0.4673	221837	g/100cc
Isopropyl Alcohol	0.0000	374423	g/100cc
Acetone	0.0000	426562	g/100cc
N-Propanol	0.0000	218784	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

FID2			
Name	Conc.	Area	Unit
Methanol	0.0000	119671	g/100cc
Ethanol	0.4708	244082	g/100cc
Acetone	0.0000	468462	g/100cc
Isopropyl Alcohol	0.0000	406710	g/100cc
N-Propanol	0.0000	236923	g/100cc
Flour. Hydrocarbon(s)			g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: QC-1-1 Analysis Date(s): 4/18/2024 10:06:46 AM(-06:00)						
pro 20 tare por all the second control to the second	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	Over-all Mean
Sample Results	0.0772	0.0775	0.0003	0.0773	0.0009	0.0777
(g/100cc)	0.0780	0.0784	0.0004	0.0782	0.0009	0.0777
Analysis Method						
Refer to Blood Alco	hol Method #1	l				
Instrument Informati	on			Instrumen	t information is	stored centrally.
Refer To Instrument	Method:	ALCOHOL_2	40411JG.gcm			
Reporting of Results	S		Uncertainty of Measurements (UM%):			5.00%
Overall	Overall Mean (g/100cc)		Low	High	5 % of Mean	
	moan (g. roos	0)	LOW	riigii	5 7	% of Mean
	0.077		0.073	0.081	5 7	6 of Mean 0.004
				0.081	3 7	

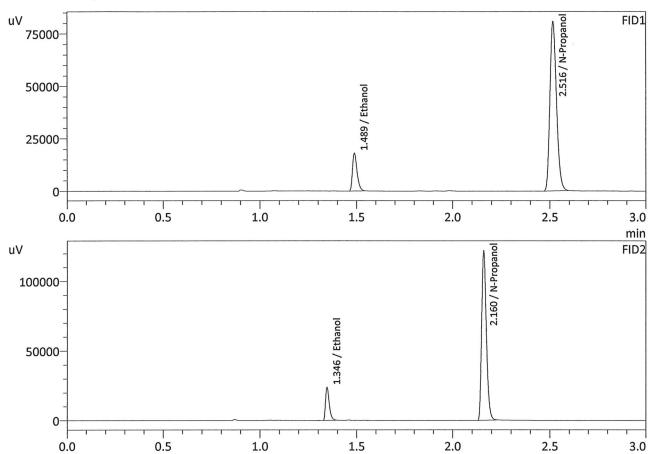
Calibration and control data are stored centrally.

: QC-1-1 : Meridian

: 4/18/2024 10:06:46 AM

Method Filename Instrument #GC/HS

: Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409



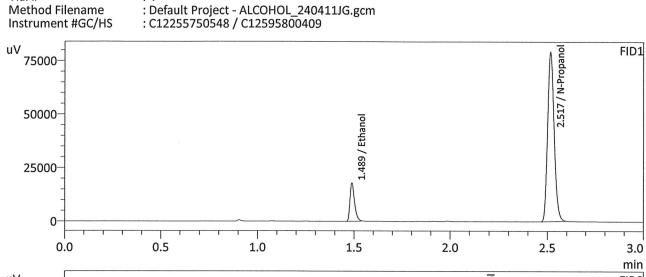
FID1			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0772	29815	g/100cc
Isopropyl Alcohol			g/100cc
Acetone			g/100cc
N-Propanol	0.0000	188512	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

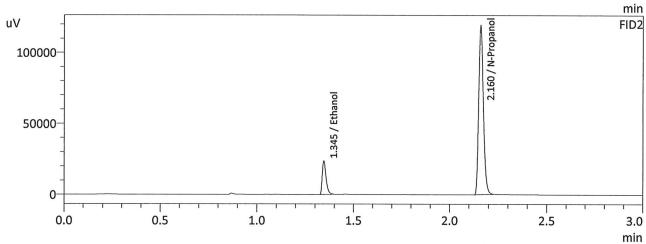
FID2			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0775	32065	g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	202405	g/100cc
Flour. Hydrocarbon(s)			g/100cc

min

: QC-1-1-B : Meridian : 4/18/2024 10:15:12 AM

Method Filename





FID1			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0780	29581	g/100cc
Isopropyl Alcohol			g/100cc
Acetone			g/100cc
N-Propanol	0.0000	184960	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

FID2			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0784	31787	g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	198217	g/100cc
Flour. Hydrocarbon(s)			g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No: 0.08 QA Analysis Date(s): 4/18/2024 10:22:57 AM(-06:00)						
	Column 1	Column 2	Column	Mean	Sample A-B	Over-all Mean
	FID A	FID B	Precision	Value	Difference	Over-all Mean
Sample Results	0.0800	0.0802	0.0002	0.0801	0.0039	0.0820
(g/100cc)	0.0840	0.0841	0.0001	0.0840	0.0039	0.0820
Analysis Method			4			
Refer to Blood Alcol	Refer to Blood Alcohol Method #1					
Instrument Information	Instrument Information Instrument information is stored centrally.				s stored centrally.	
Refer To Instrument	Method:	ALCOHOL_2	40411JG.gcm			
Reporting of Results	i		Uncertaint	y of Measurer	ments (UM%):	5.00%
Overall	Mean (g/100co	c)	Low	High	5 %	% of Mean
0.082 0.077 0.087				0.005		
		Rep	orted Res	ults		
			0.082			

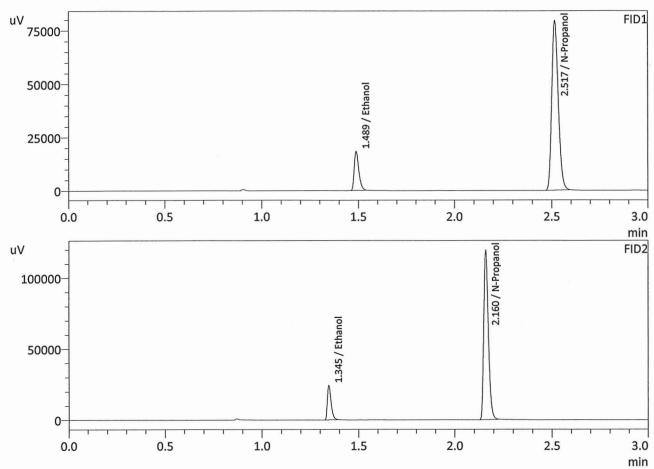
Calibration and control data are stored centrally.

: 0.08 QA : Meridian : 4/18/2024 10:22:57 AM

Sample Name Laboratory Injection Date Vial #

Method Filename Instrument #GC/HS

: 5 : Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409



FID1			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0800	30416	g/100cc
Isopropyl Alcohol			g/100cc
Acetone			g/100cc
N-Propanol	0.0000	185109	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

2			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0802	32580	g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	198192	g/100cc
Flour. Hydrocarbon(s)			g/100cc

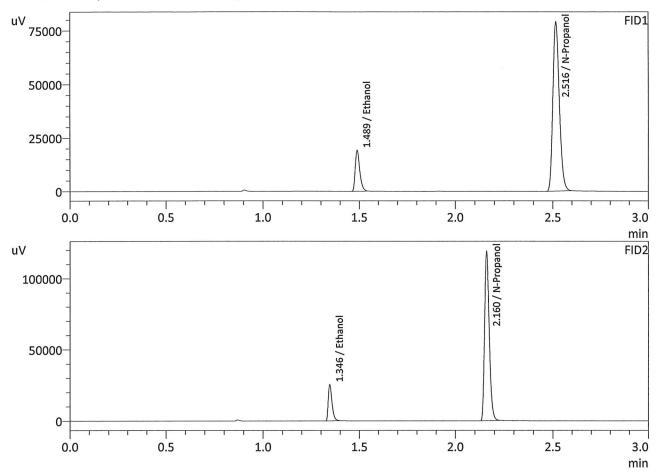
: 0.08 QA-B : Meridian

Sample Name Laboratory Injection Date Vial #

: 4/18/2024 10:31:40 AM

Method Filename Instrument #GC/HS

: Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409



FID1			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0840	31950	g/100cc
Isopropyl Alcohol			g/100cc
Acetone			g/100cc
N-Propanol	0.0000	184601	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

FID2			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.0841	34251	g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	197930	g/100cc
Flour. Hydrocarbon(s)			g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

VOLATILES DETERMINATION CASEFILE WORKSHEET

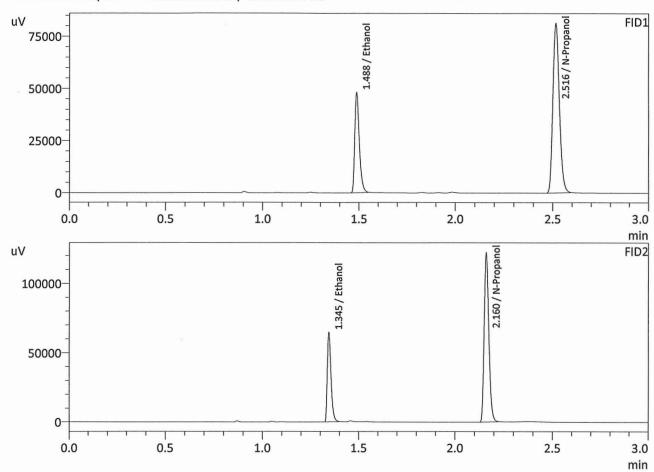
Laboratory No: QC-2-1 Analysis Date(s): 4/18/2024 10:56:27 AM(-06:00)						
# A (Column 1	Column 2	Column	Mean	Sample A-B	
	FID A	FID B	Precision	Value	Difference	Over-all Mean
Sample Results	0.1963	0.1969	0.0006	0.1966	0.0405	0.0040
(g/100cc)	0.2068	0.2075	0.0007	0.2071	0.0105	0.2018
Analysis Method						
Refer to Blood Alcol	Refer to Blood Alcohol Method #1					
Instrument Information	Instrument Information Instrument information is stored centrally.					
Refer To Instrument	Method:	ALCOHOL_2	40411JG.gcm			
Reporting of Results			Uncertaint	y of Measurer	nents (UM%):	5.00%
Overall	Mean (g/100co	c)	Low	High	5 %	% of Mean
0.201		0.190	0.212	0.011		
		Rep	orted Res	ults		
			0.201			

Calibration and control data are stored centrally.

: QC-2-1 : Meridian : 4/18/2024 10:56:27 AM

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

: 9 : Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409



Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.1963	79442	g/100cc
Isopropyl Alcohol			g/100cc
Acetone			g/100cc
N-Propanol	0.0000	189416	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

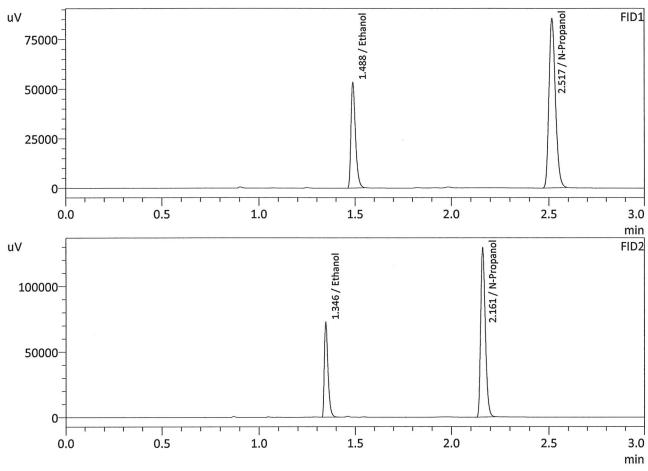
FID2			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.1969	85879	g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	203014	g/100cc
Flour. Hydrocarbon(s)			g/100cc

: QC-2-1-B : Meridian

: 4/18/2024 11:03:50 AM

: Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409

Method Filename Instrument #GC/HS



FID1			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.2068	88178	g/100cc
Isopropyl Alcohol			g/100cc
Acetone			g/100cc
N-Propanol	0.0000	199285	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

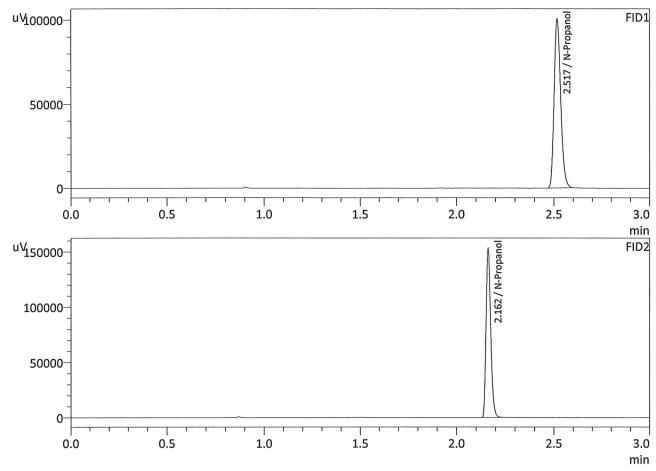
FID2			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol	0.2075	95796	g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	214510	g/100cc
Flour. Hydrocarbon(s)			g/100cc

: ISTD BLK 2 : Meridian

: 4/18/2024 11:11:40 AM

Method Filename Instrument #GC/HS

: Default Project - ALCOHOL_240411JG.gcm : C12255750548 / C12595800409



FID1		<u></u>	
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol			g/100cc
Isopropyl Alcohol			g/100cc
Acetone		-	g/100cc
N-Propanol	0.0000	235261	g/100cc
Fluor. Hydrocarbon(s)			g/100cc

02			
Name	Conc.	Area	Unit
Methanol			g/100cc
Ethanol			g/100cc
Acetone			g/100cc
Isopropyl Alcohol			g/100cc
N-Propanol	0.0000	253588	g/100cc
Flour. Hydrocarbon(s)			g/100cc

Meridian Blood Alcohol Analysis Batch Table

Shimadzu GC-2030 Serial #C12255750548 Shimadzu HS-20 Serial #C12595800409 Lab Solutions Database Software Ver. 6.111 Copyright (C) 2008-2020 Shimadzu Corporation

Vial#	Sample Name	Sample Type	Level#	Method File
1	ISTD BLK 1	0:Unknown	0	ALCOHOL 240411JG.gcm
2	ED VOLATILES FN 0604	0:Unknown	1	ALCOHOL 240411JG.gcm
3	QC-1-1	0:Unknown	0	ALCOHOL 240411JG.gcm
4	QC-1-1-B	0:Unknown	0	ALCOHOL 240411JG.gcm
5	0.08 QA	0:Unknown	0	ALCOHOL 240411JG.gcm
6	0.08 QA-B	0:Unknown	0	ALCOHOL 240411JG.gcm
7	M2024-1450-1	0:Unknown	0	ALCOHOL 240411JG.gcm
8	M2024-1450-1-B	0:Unknown	0	ALCOHOL 240411JG.gcm
9	QC-2-1	0:Unknown	0	ALCOHOL 240411JG.gcm
10	QC-2-1-B	0:Unknown	0	ALCOHOL 240411JG.gcm
11	ISTD BLK 2	0:Unknown	0	ALCOHOL 240411JG.gcm