

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls Run Date(s): 3/20/19 (calibration: 3/20/19)

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0777 g/100cc
					0.0810 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2047 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		Lot #	FN06041502		OK
Curve Fit:		Column 1	0.99999	Column 2	0.99998

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0515	0.001	0.0510
100	0.100	0.090 - 0.110	0.0988	0.0989	0.0001	0.0988
200	0.200	0.180 - 0.220	0.1999	0.1990	0.0009	0.1994
300	0.300	0.270 - 0.330	0.3014	0.3002	0.0012	0.3008
500	0.500	0.450 - 0.550	0.4994	0.5004	0.001	0.4999

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

NB

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls Run Date(s): 3/20/19 (calibration: 3/20/19)

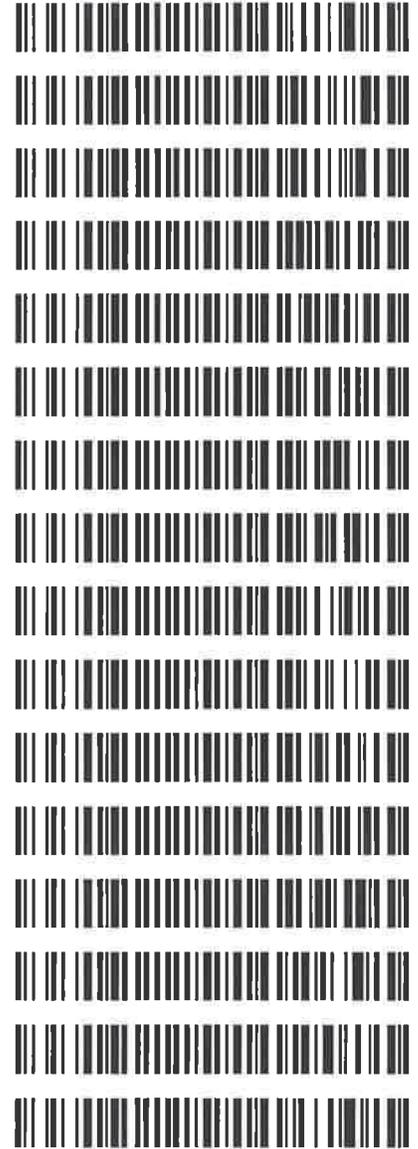
Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0777 g/100cc
					0.0810 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2047 g/100cc g/100cc g/100cc
Multi-Component mixture:					
Curve Fit:		Column 1	Lot #	FN06041502	OK
			0.99999	Column2	0.99998

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0505	0.0515	0.001	0.0510
100	0.100	0.090 - 0.110	0.0988	0.0989	0.0001	0.0988
200	0.200	0.180 - 0.220	0.1999	0.1990	0.0009	0.1994
300	0.300	0.270 - 0.330	0.3014	0.3002	0.0012	0.3008
500	0.500	0.450 - 0.550	0.4994	0.5004	0.001	0.4999
Aqueous Controls						
Control level	Target Value	Acceptable Range	Overall Results			
80	0.080	0.076 - 0.084	0.080	g/100cc		

APPROVED
By John Garner at 2:21 pm, Mar 21, 2019

Worklist: 3109

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2019-1106	1	143476	BATS Proficiency Test
M2019-1191	1	144185	Alcohol Analysis
M2019-1192	1	144186	Alcohol Analysis
M2019-1217	1	144317	Alcohol Analysis
M2019-1253	1	144497	Alcohol Analysis
M2019-1286	1	145161	Alcohol Analysis
M2019-1287	1	145162	Alcohol Analysis
M2019-1288	1	145163	Alcohol Analysis
M2019-1296	1	145179	Alcohol Analysis
M2019-1297	1	145180	Alcohol Analysis
M2019-1310	1	145280	Alcohol Analysis
M2019-1311	1	145287	Alcohol Analysis
M2019-1312	1	145288	Alcohol Analysis
M2019-1330	1	145335	Alcohol Analysis
M2019-1332	1	145345	Alcohol Analysis
M2019-1340	3	145381	Alcohol Analysis



NB

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 Calibration Table
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 General Calibration Setting

Calib. Data Modified : Wednesday, March 20, 2019 12:12:05 PM
 Signals calculated separately : No

Rel. Reference Window : 0.000 %
 Abs. Reference Window : 0.100 min
 Rel. Non-ref. Window : 0.000 %
 Abs. Non-ref. Window : 0.100 min
 Uncalibrated Peaks : not reported
 Partial Calibration : Yes, identified peaks are recalibrated
 Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
 Origin : Ignored
 Weight : Equal

Recalibration Settings:
 Average Response : Average all calibrations
 Average Retention Time: Floating Average New 75%

Calibration Report Options :
 Printout of recalibrations within a sequence:
 Calibration Table after Recalibration
 Normal Report after Recalibration
 If the sequence is done with bracketing:
 Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-propanol
2	1.00000	n-propanol

 Signal Details

Signal 1: FID1 A, Front Signal
 Signal 2: FID2 B, Back Signal

 Overview Table

NB

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.586	1	1	1.00000	3.69669	2.70512e-1	No	No 1	methanol
2.809	1	1	1.00000	4.26100	2.34687e-1	No	No 2	Acetaldehyde
2.977	2	1	1.00000	4.26100	2.34687e-1	No	No 2	Acetaldehyde
3.075	1	1	5.00000e-2	4.56904	1.09432e-2	No	No 1	ethanol
		2	1.00000e-1	9.35128	1.06937e-2			
		3	2.00000e-1	18.26100	1.09523e-2			
		4	3.00000e-1	28.10723	1.06734e-2			
		5	5.00000e-1	46.23336	1.08147e-2			
3.388	2	1	1.00000	4.26062	2.34707e-1	No	No 2	methanol
3.628	1	1	1.00000	9.73055	1.02769e-1	No	No 1	isopropyl alcohol
4.285	2	1	5.00000e-2	4.64223	1.07707e-2	No	No 2	ethanol
		2	1.00000e-1	9.60520	1.04110e-2			
		3	2.00000e-1	18.91051	1.05761e-2			
		4	3.00000e-1	29.20845	1.02710e-2			
		5	5.00000e-1	48.56763	1.02949e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	44.78724	2.23278e-2	No	Yes 1	n-propanol
		2	1.00000	46.28016	2.16075e-2			
		3	1.00000	44.40052	2.25223e-2			
		4	1.00000	45.25004	2.20994e-2			
		5	1.00000	44.84491	2.22991e-2			
4.661	2	1	1.00000	6.89301	1.45075e-1	No	No 2	acetone
4.969	2	1	1.00000	10.70642	9.34019e-2	No	No 2	isopropyl alcohol
7.550	2	1	1.00000	46.58656	2.14654e-2	No	Yes 2	n-propanol
		2	1.00000	47.74095	2.09464e-2			
		3	1.00000	45.51794	2.19694e-2			
		4	1.00000	46.20132	2.16444e-2			
		5	1.00000	45.77976	2.18437e-2			

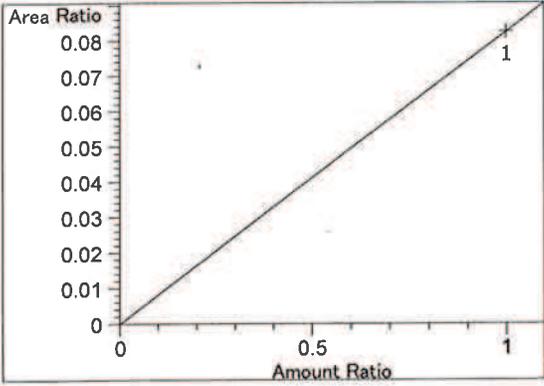
Peak Sum Table

No Entries in table

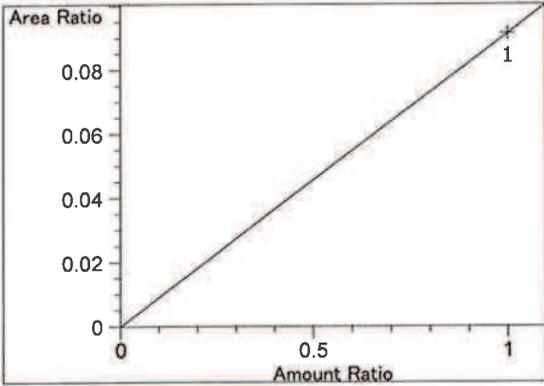
51 Warnings or Errors (10 first messages follow) :

- Warning : Curve requires more calibration points., (methanol)
- Warning : Curve requires more calibration points. at 2.586 min, signal 1
- Warning : Curve requires more calibration points. at 2.809 min, signal 1
- Warning : Curve requires more calibration points. at 2.977 min, signal 2
- Warning : Curve requires more calibration points. at 3.388 min, signal 2
- Warning : Curve requires more calibration points. at 3.628 min, signal 1
- Warning : Curve requires more calibration points. at 4.308 min, signal 1
- Warning : Curve requires more calibration points. at 4.62 min, signal 1
- Warning : Curve requires more calibration points. at 4.661 min, signal 2
- Warning : Curve requires more calibration points. at 4.969 min, signal 2

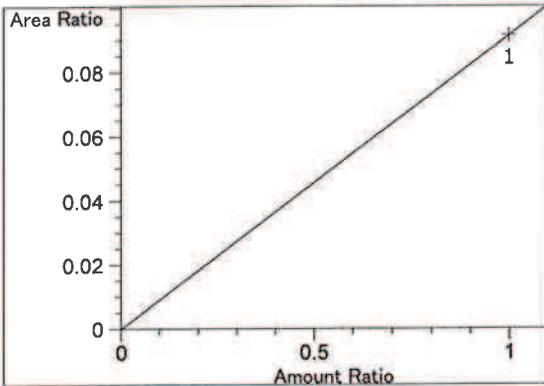
=====
 Calibration Curves
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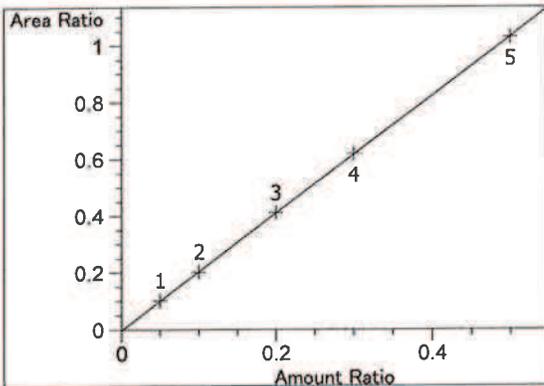
methanol at exp. RT: 2.586
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.25390e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



Acetaldehyde at exp. RT: 2.809
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 9.14642e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

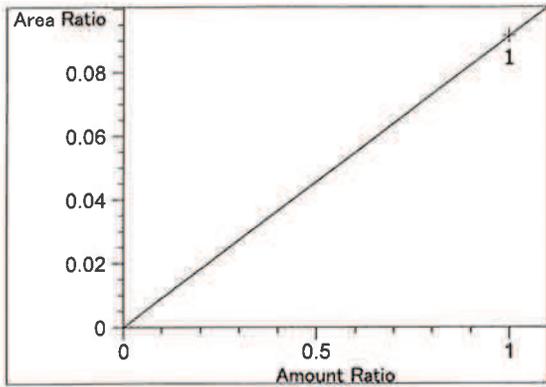


Acetaldehyde at exp. RT: 2.977
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 9.14642e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

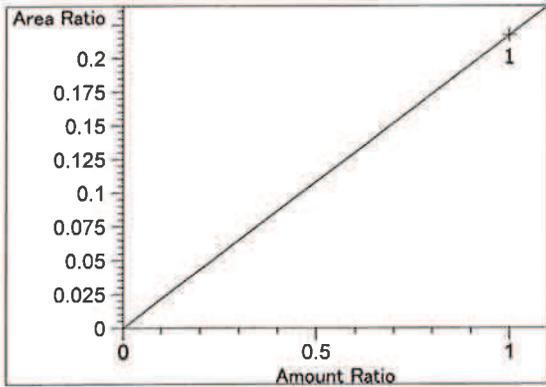


ethanol at exp. RT: 3.075
 FID1 A, Front Signal
 Correlation: 0.99999
 Residual Std. Dev.: 0.00233
 Formula: $y = mx + b$
 m: 2.06931
 b: -2.44702e-3
 x: Amount Ratio
 y: Area Ratio

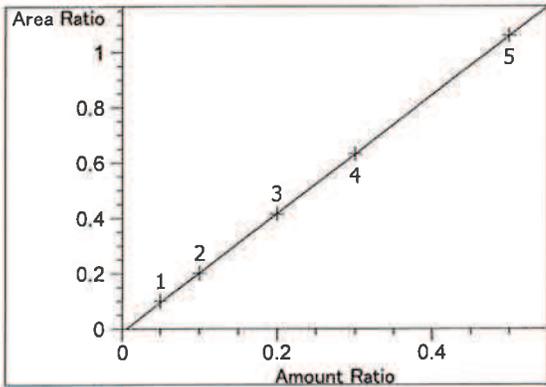
NB



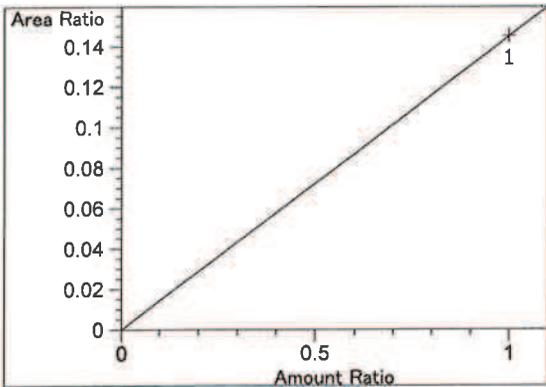
methanol at exp. RT: 3.388
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: $9.14561e-2$
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



isopropyl alcohol at exp. RT: 3.628
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: $2.17262e-1$
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

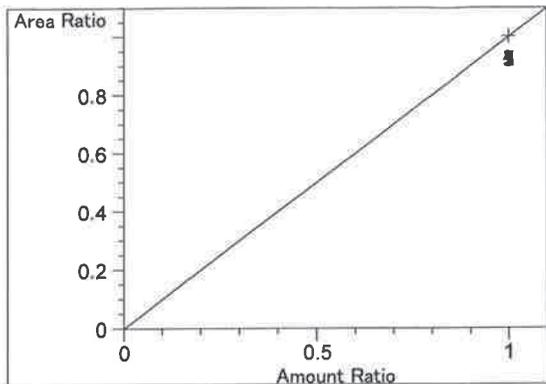


ethanol at exp. RT: 4.285
 FID2 B, Back Signal
 Correlation: 0.99998
 Residual Std. Dev.: 0.00267
 Formula: $y = mx + b$
 m: 2.14173
 b: $-1.07189e-2$
 x: Amount Ratio
 y: Area Ratio

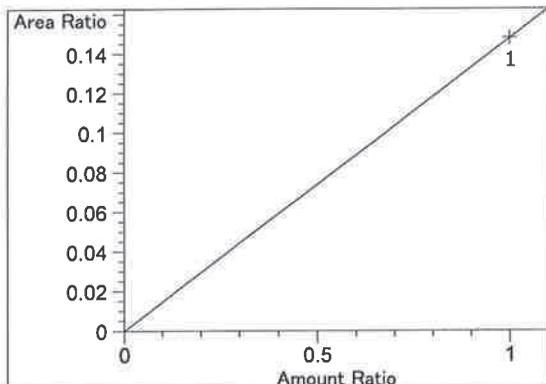


acetone at exp. RT: 4.308
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: $1.45117e-1$
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

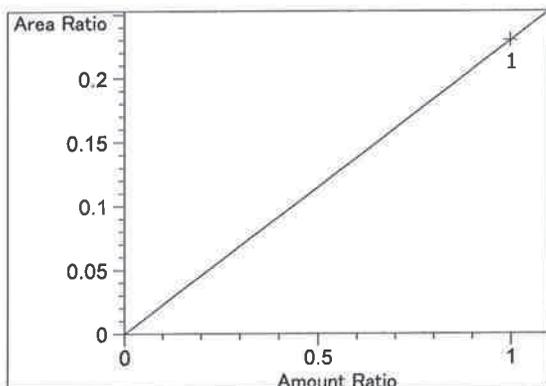
NB



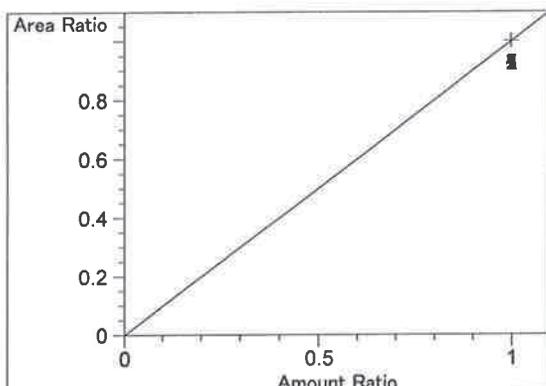
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.47961e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 2.29818e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

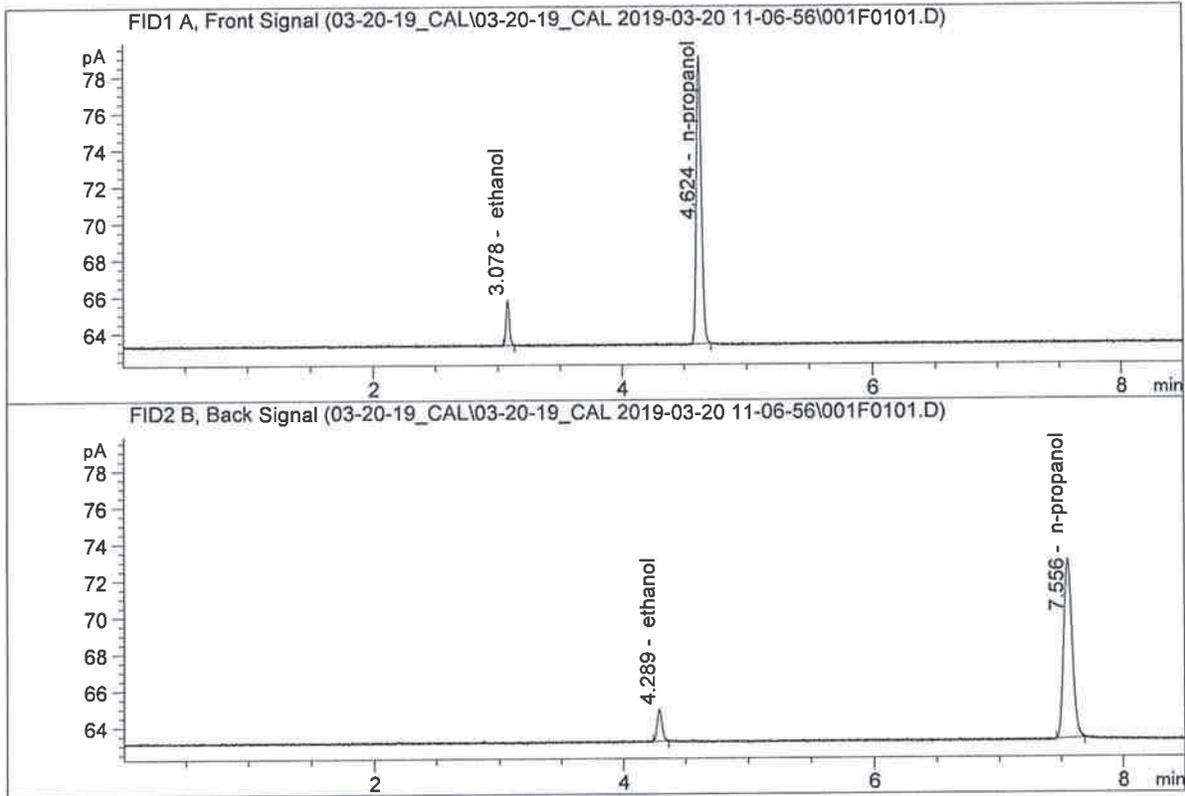


n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN04271601
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

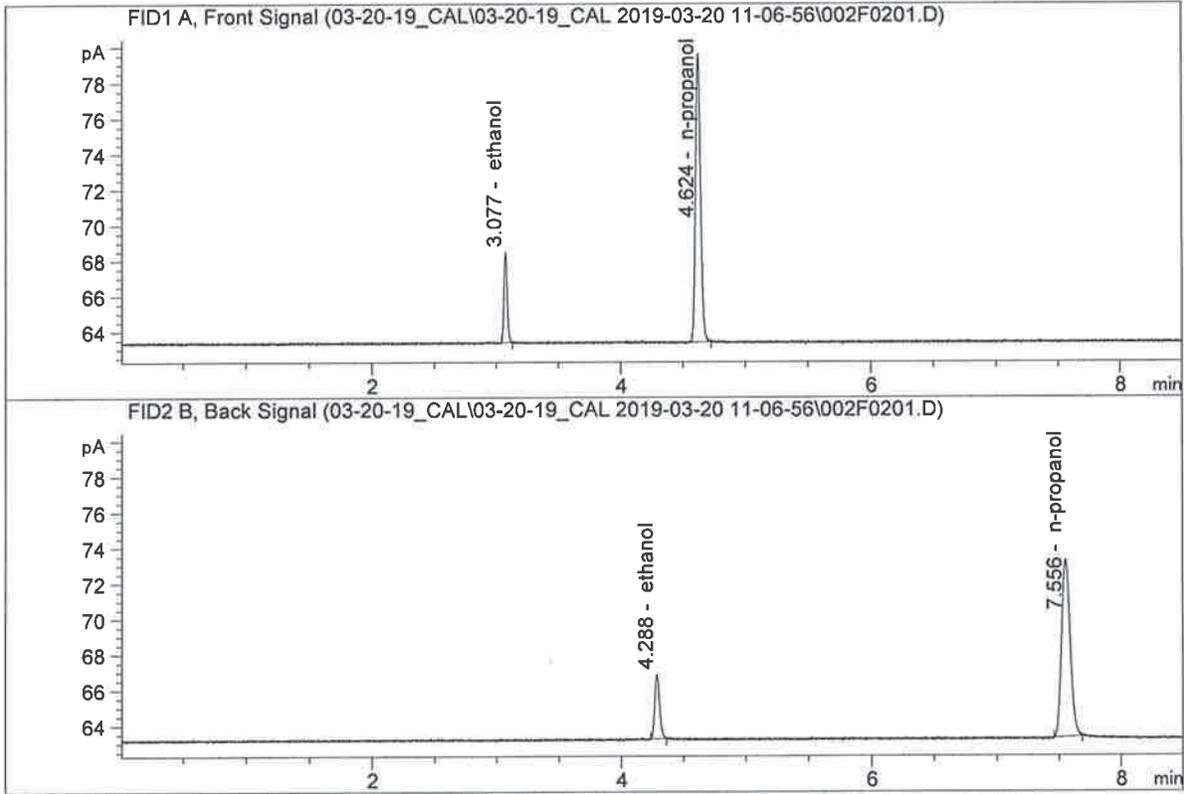


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.56904	0.0505	g/100cc
2.	Ethanol	Column 2:	4.64223	0.0515	g/100cc
3.	n-Propanol	Column 1:	44.78724	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.58656	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

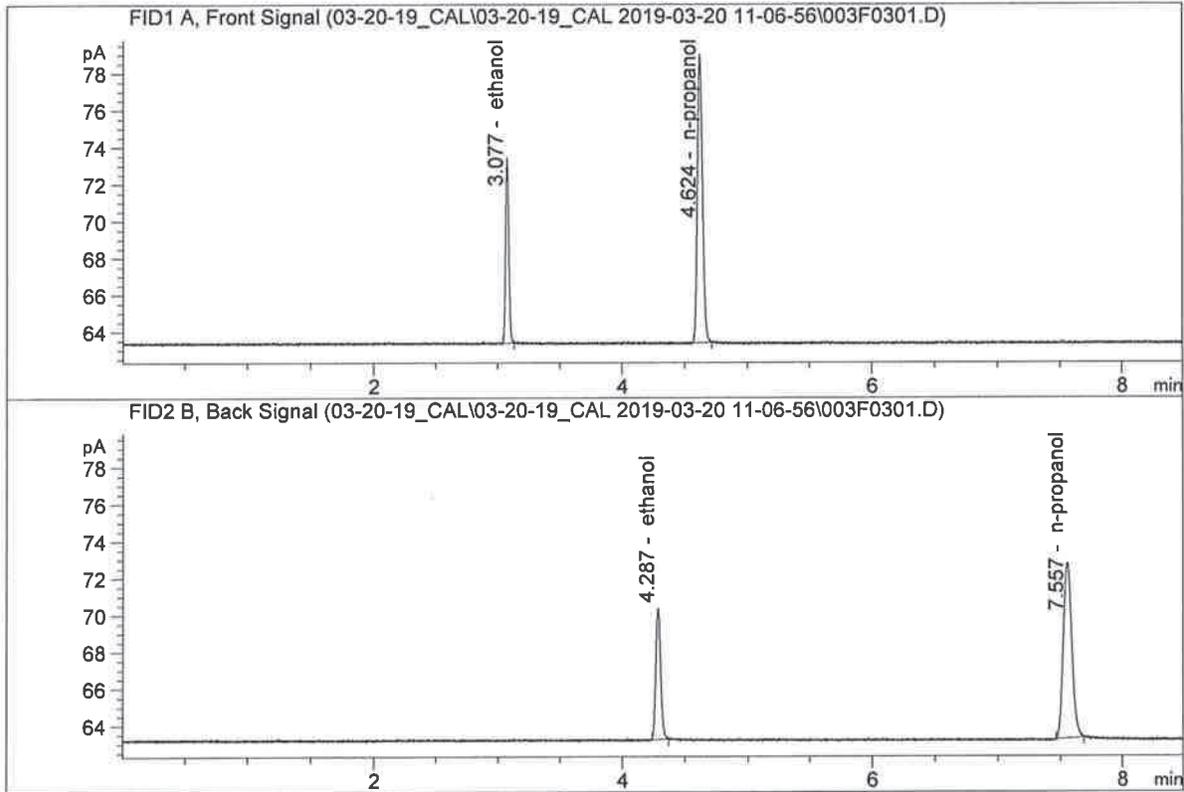


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.35128	0.0988	g/100cc
2.	Ethanol	Column 2:	9.60520	0.0989	g/100cc
3.	n-Propanol	Column 1:	46.28016	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.74095	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN03301601
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

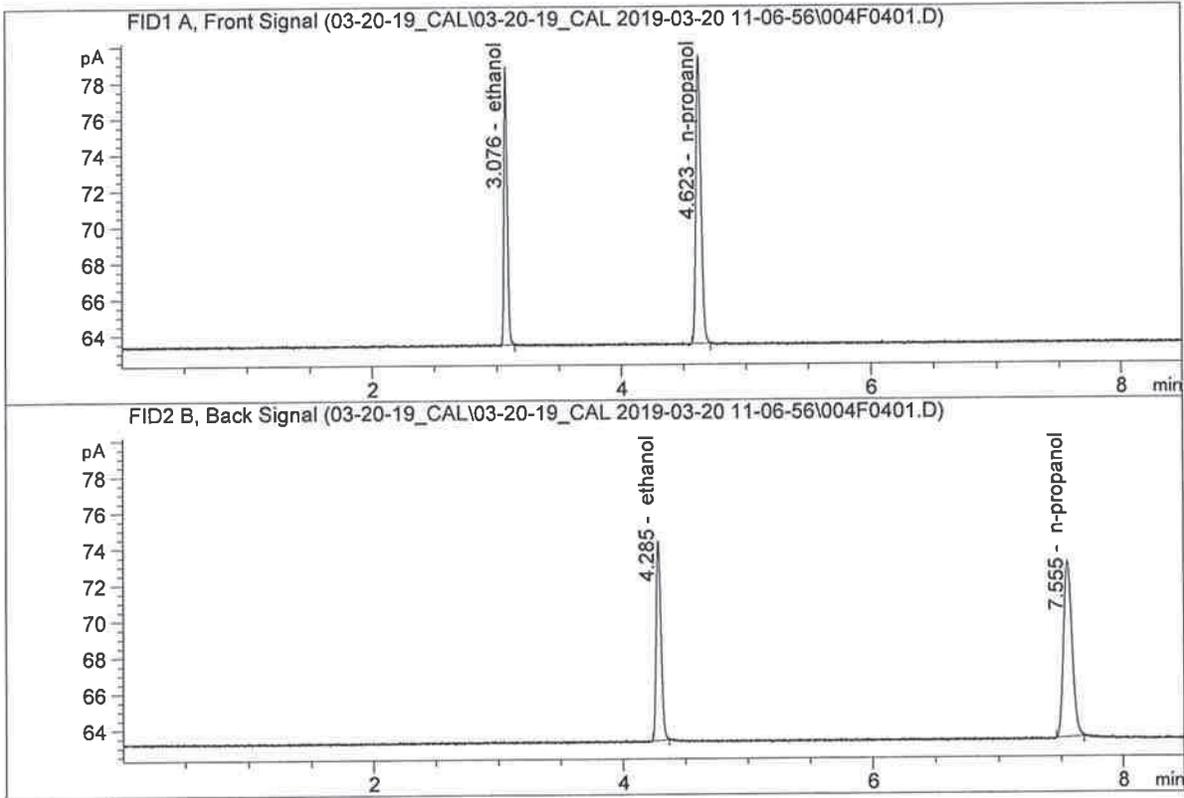


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.26100	0.1999	g/100cc
2.	Ethanol	Column 2:	18.91051	0.1990	g/100cc
3.	n-Propanol	Column 1:	44.40052	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.51794	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

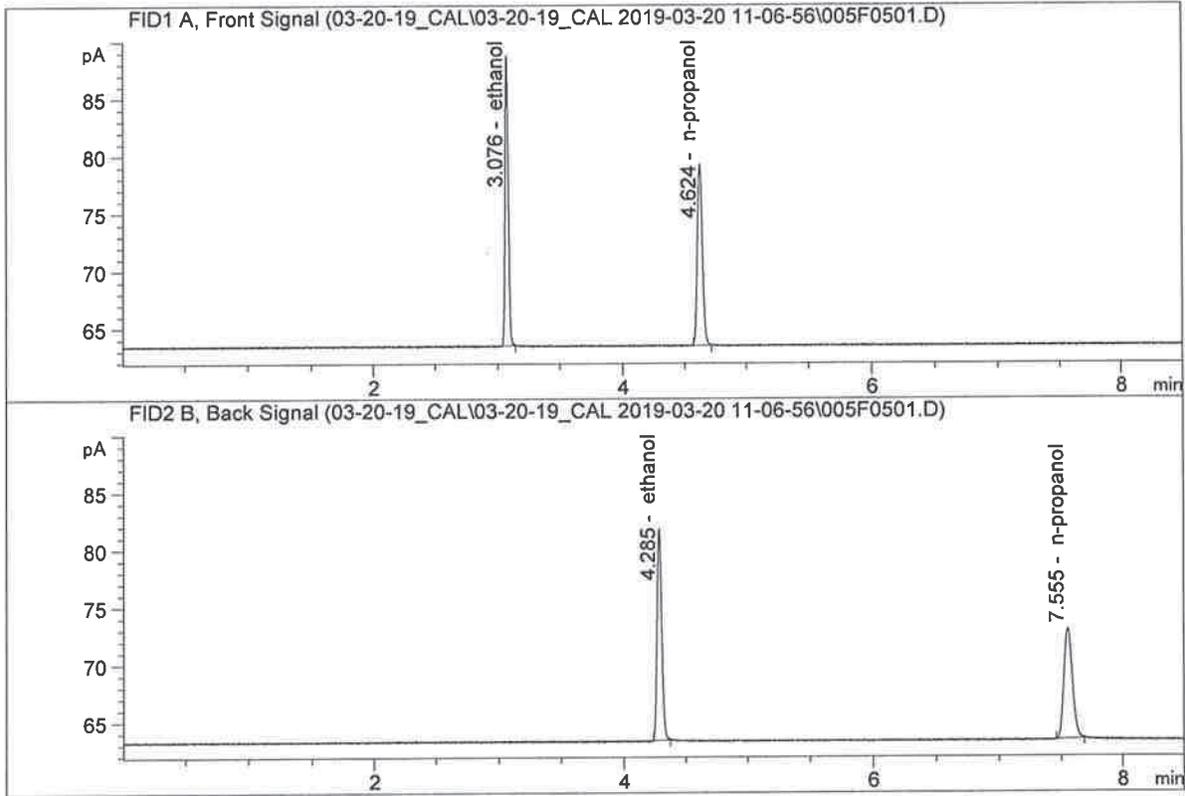


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.10723	0.3014	g/100cc
2.	Ethanol	Column 2:	29.20845	0.3002	g/100cc
3.	n-Propanol	Column 1:	45.25004	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.20132	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

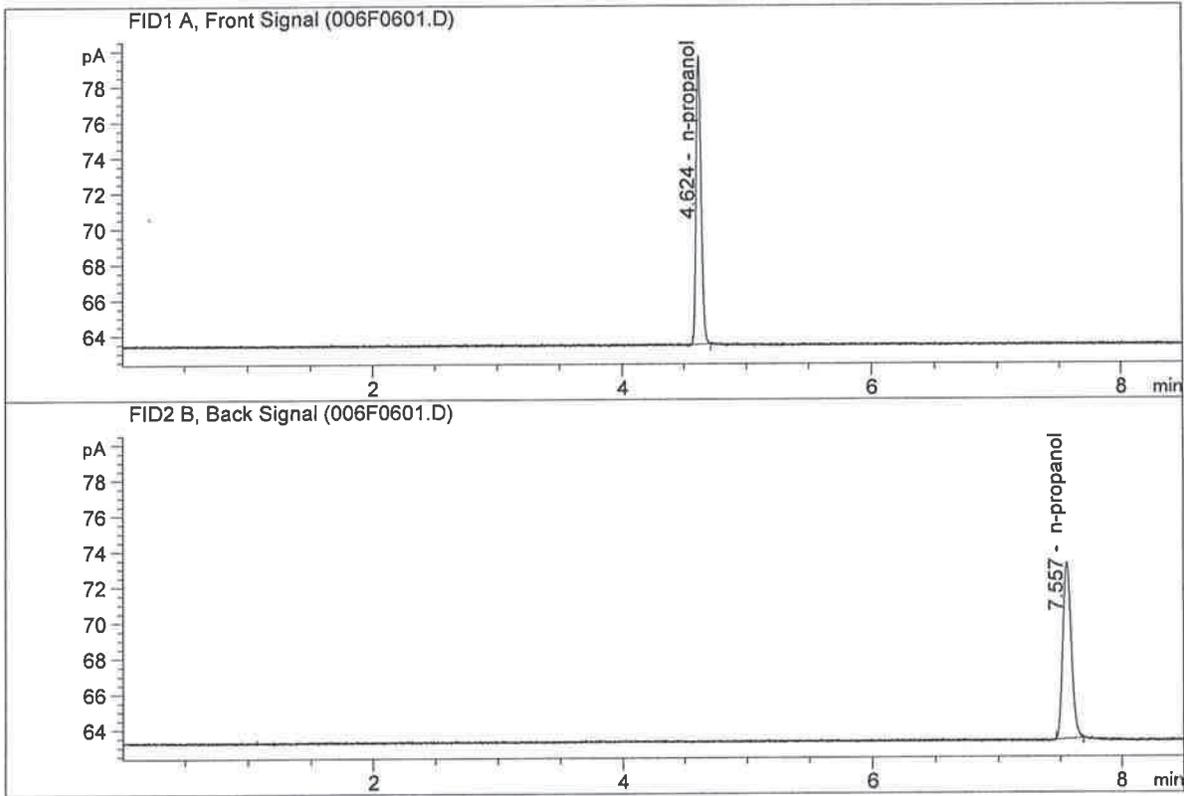


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.23336	0.4994	g/100cc
2.	Ethanol	Column 2:	48.56763	0.5004	g/100cc
3.	n-Propanol	Column 1:	44.84491	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.77976	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	46.10448	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.37054	1.0000	g/100cc

NB

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\Data\03-20-19_CAL\03-20-19_CAL 2019-03-20 11-06-56\03-20-19_CAL.S
 Data directory path: C:\Chem32\1\Data\03-20-19_CAL\03-20-19_CAL 2019-03-20 11-06-56\
 Logbook: C:\Chem32\1\Data\03-20-19_CAL\03-20-19_CAL 2019-03-20 11-06-56\03-20-19_CAL.LOG
 Sequence start: 3/20/2019 11:21:34 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\03-20-19_CAL\03-20-19_CAL 2019-03-20 11-06-56\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
1	1	1	0.050 FN04271601	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN08101601	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN03301601	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN08031602	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 20 Mar 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0777	0.0788	0.0011	0.0782	0.0777
(g/100cc)	0.0775	0.0768	0.0007	0.0771	

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

Reported Result	
0.077	

Calibration and control data are stored centrally.

NB

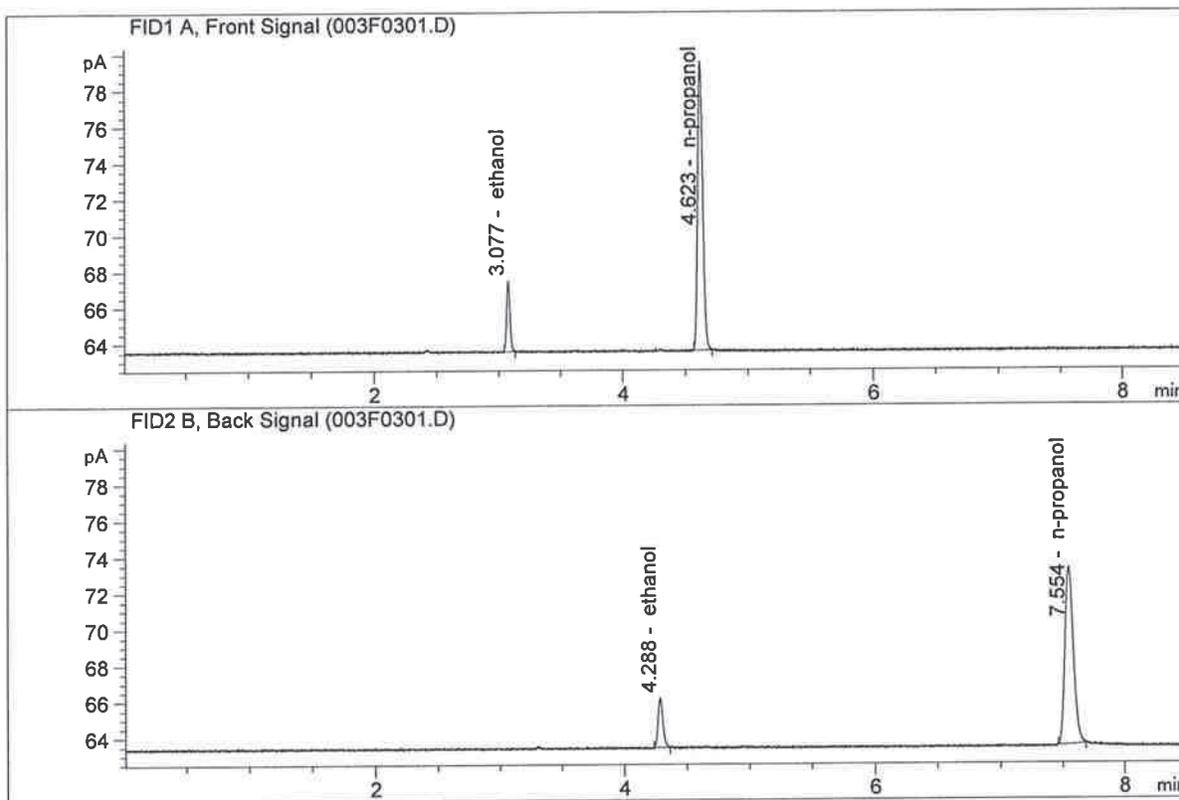
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

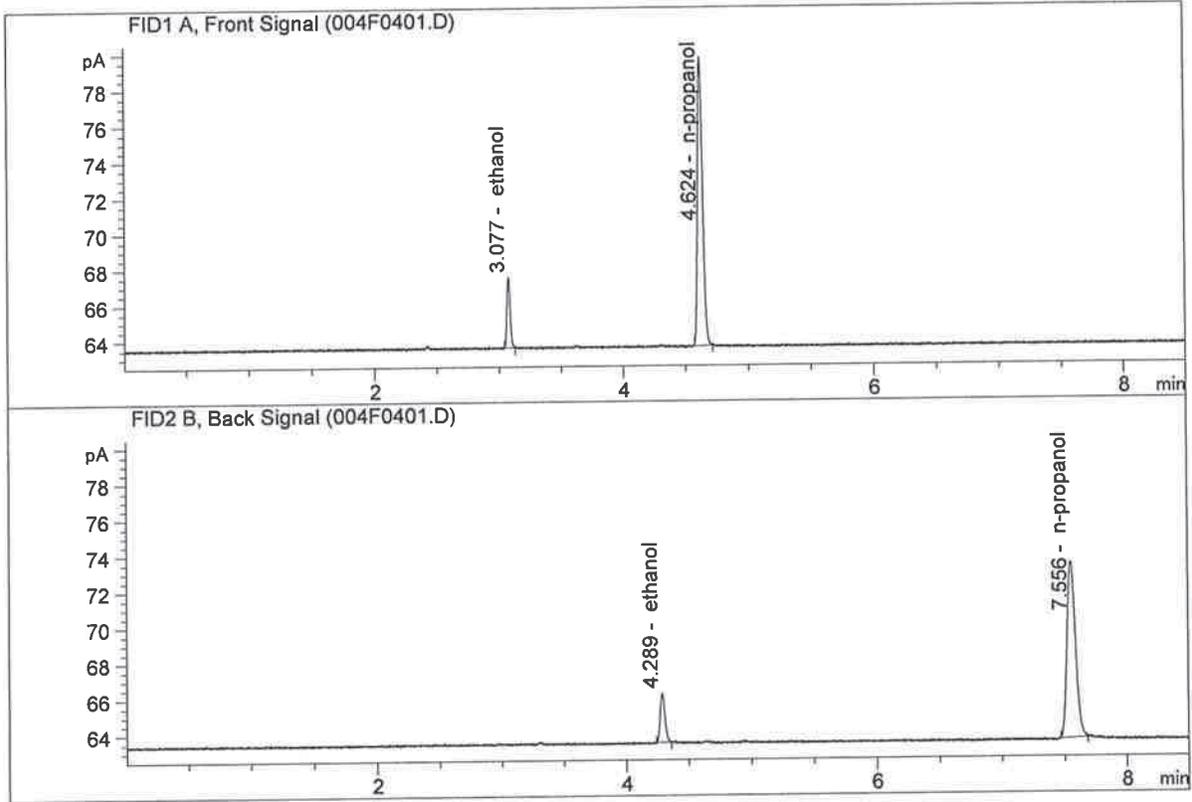


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.19911	0.0777	g/100cc
2.	Ethanol	Column 2:	7.37171	0.0788	g/100cc
3.	n-Propanol	Column 1:	45.47735	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.61600	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.23046	0.0775	g/100cc
2.	Ethanol	Column 2:	7.23536	0.0768	g/100cc
3.	n-Propanol	Column 1:	45.80578	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.02312	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 20 Mar 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0809	0.0818	0.0009	0.0813	0.0810
(g/100cc)	0.0801	0.0814	0.0013	0.0807	

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.081	0.076	0.086	0.005

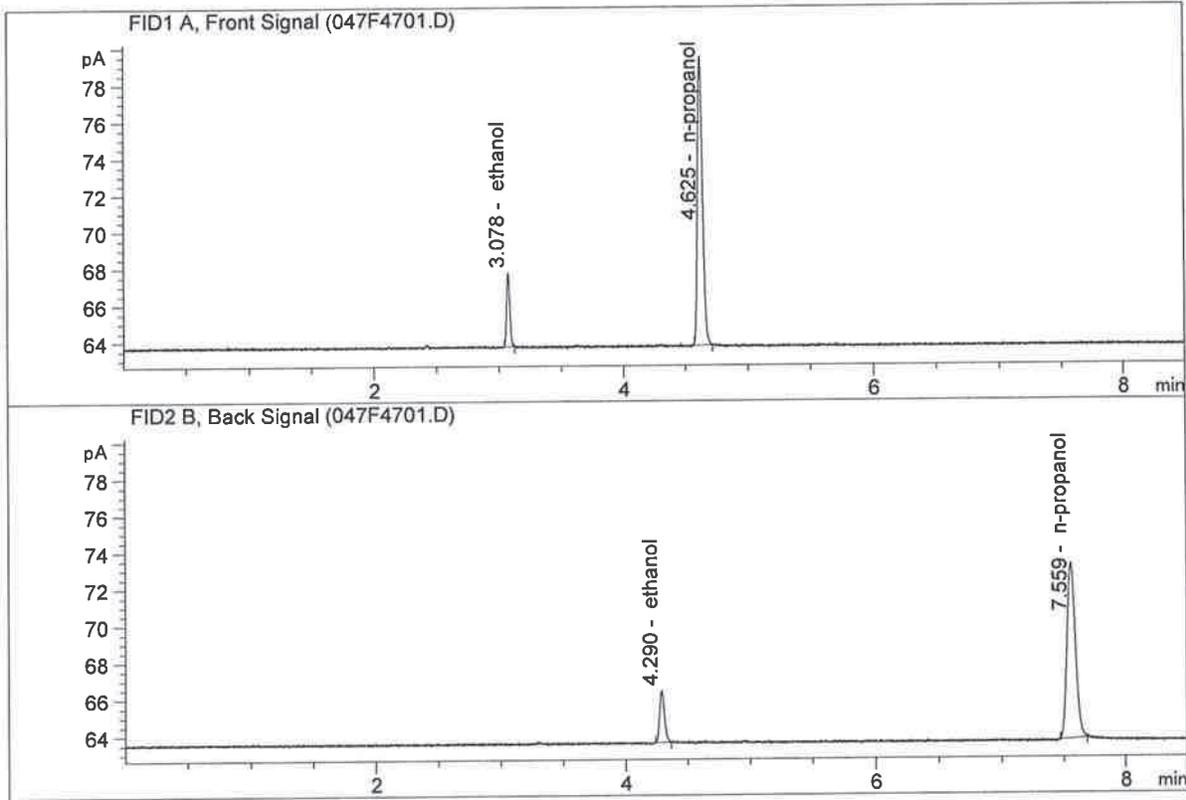
Reported Result	
0.081	

Calibration and control data are stored centrally.

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

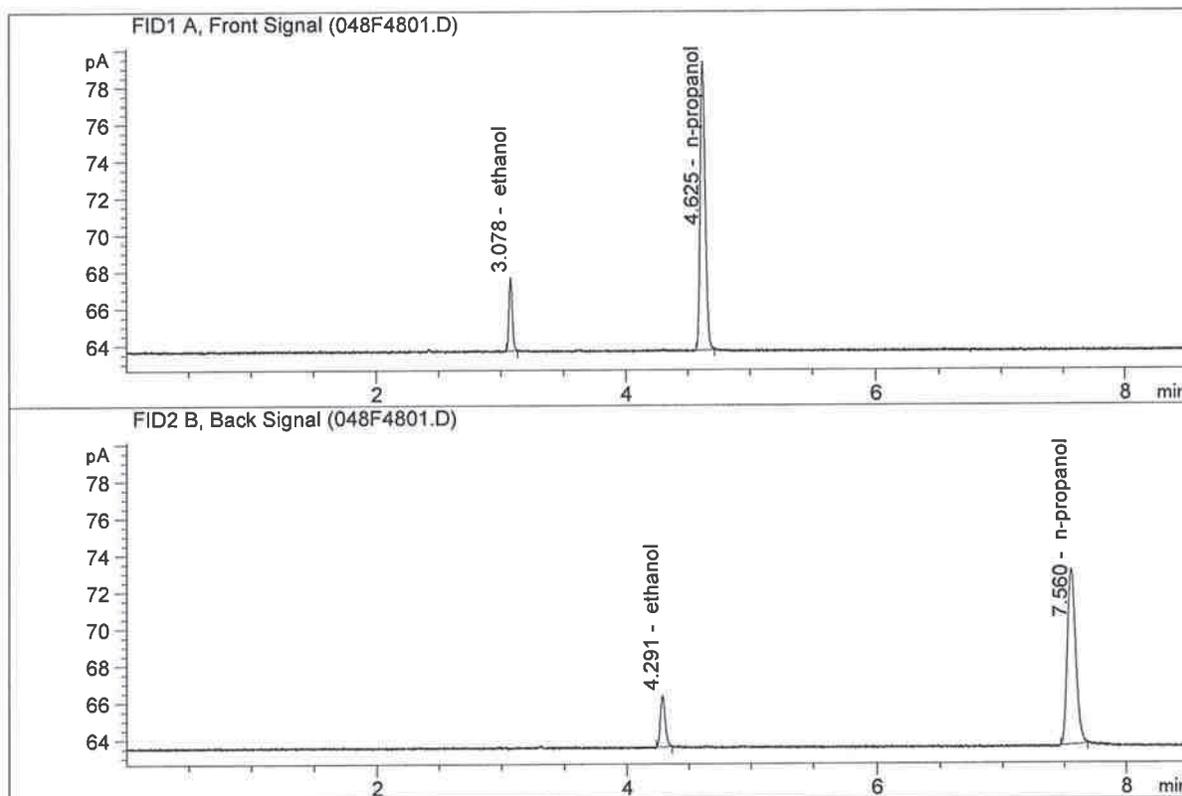


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.36830	0.0809	g/100cc
2.	Ethanol	Column 2:	7.47770	0.0818	g/100cc
3.	n-Propanol	Column 1:	44.69312	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.43773	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.28189	0.0801	g/100cc
2.	Ethanol	Column 2:	7.43307	0.0814	g/100cc
3.	n-Propanol	Column 1:	44.59222	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.43684	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 20 Mar 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2049	0.2053	0.0004	0.2051	0.2047	
(g/100cc)	0.2044	0.2043	0.0001	0.2043		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

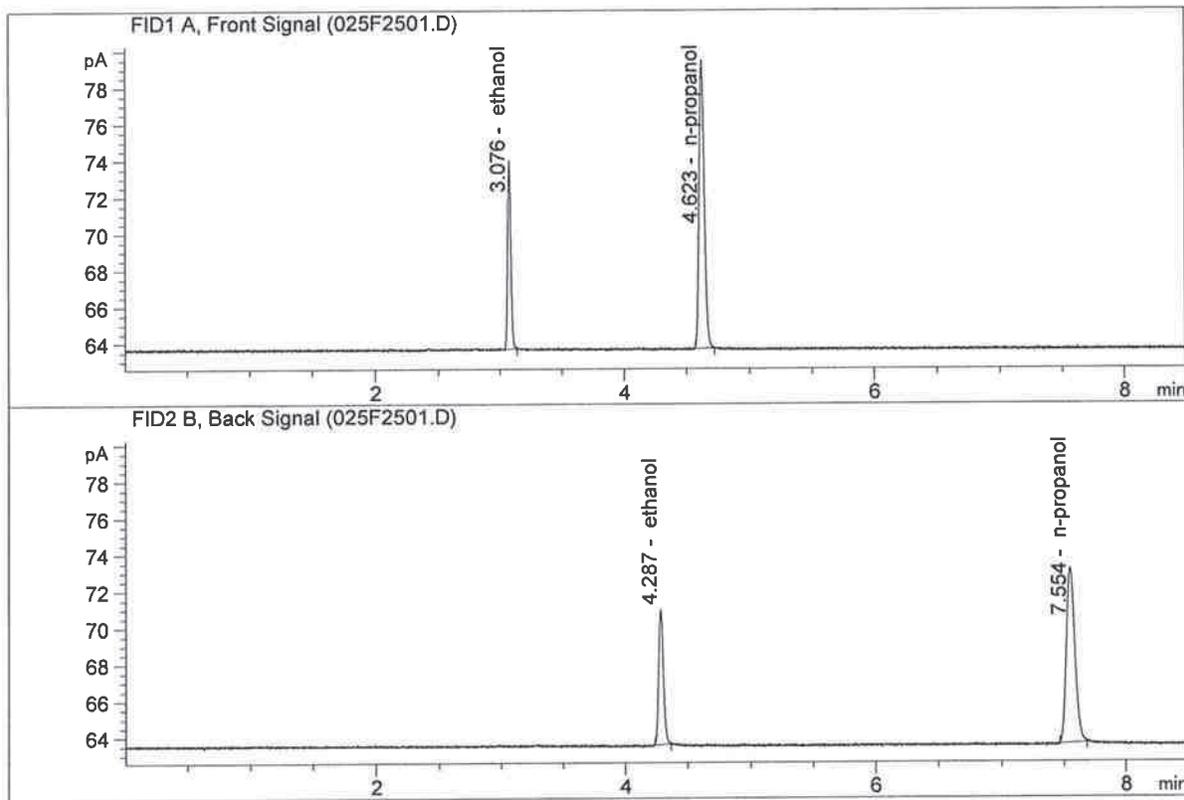
Overall Mean (g/100cc)	Low	High	5% of Mean
0.204	0.193	0.215	0.011

	Reported Result	
	0.204	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

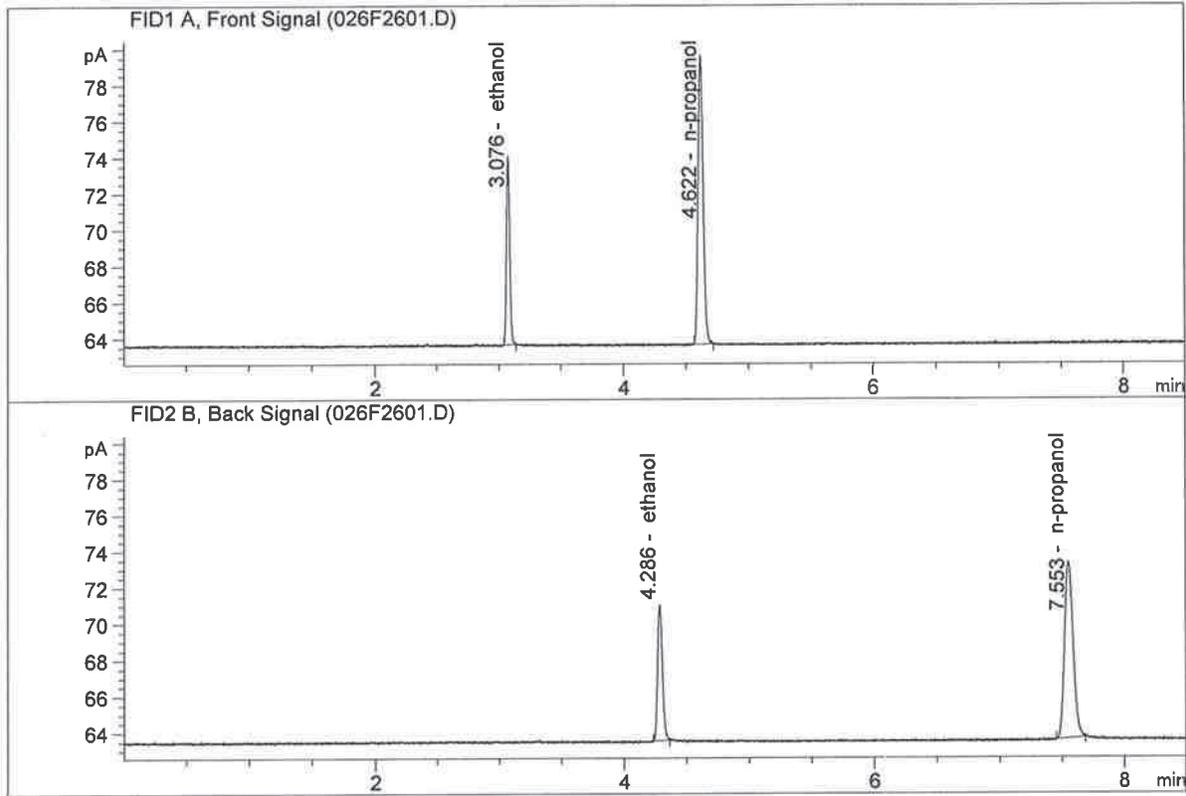


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.83604	0.2049	g/100cc
2.	Ethanol	Column 2:	19.56772	0.2053	g/100cc
3.	n-Propanol	Column 1:	44.68744	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.60535	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.14137	0.2044	g/100cc
2.	Ethanol	Column 2:	19.83442	0.2043	g/100cc
3.	n-Propanol	Column 1:	45.51847	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.46742	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 20 Mar 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0795	0.0798	0.0003	0.0796	0.0801
(g/100cc)	0.0804	0.0808	0.0004	0.0806	

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11378

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

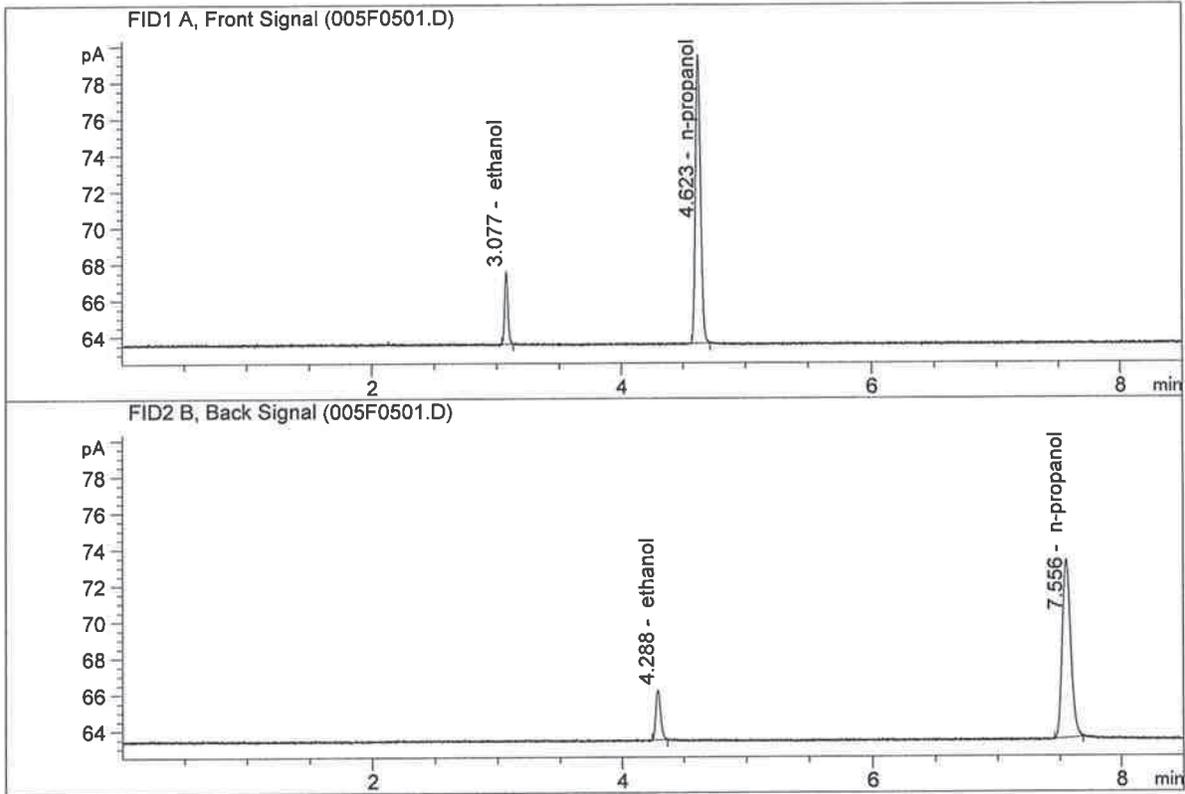
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result	
0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

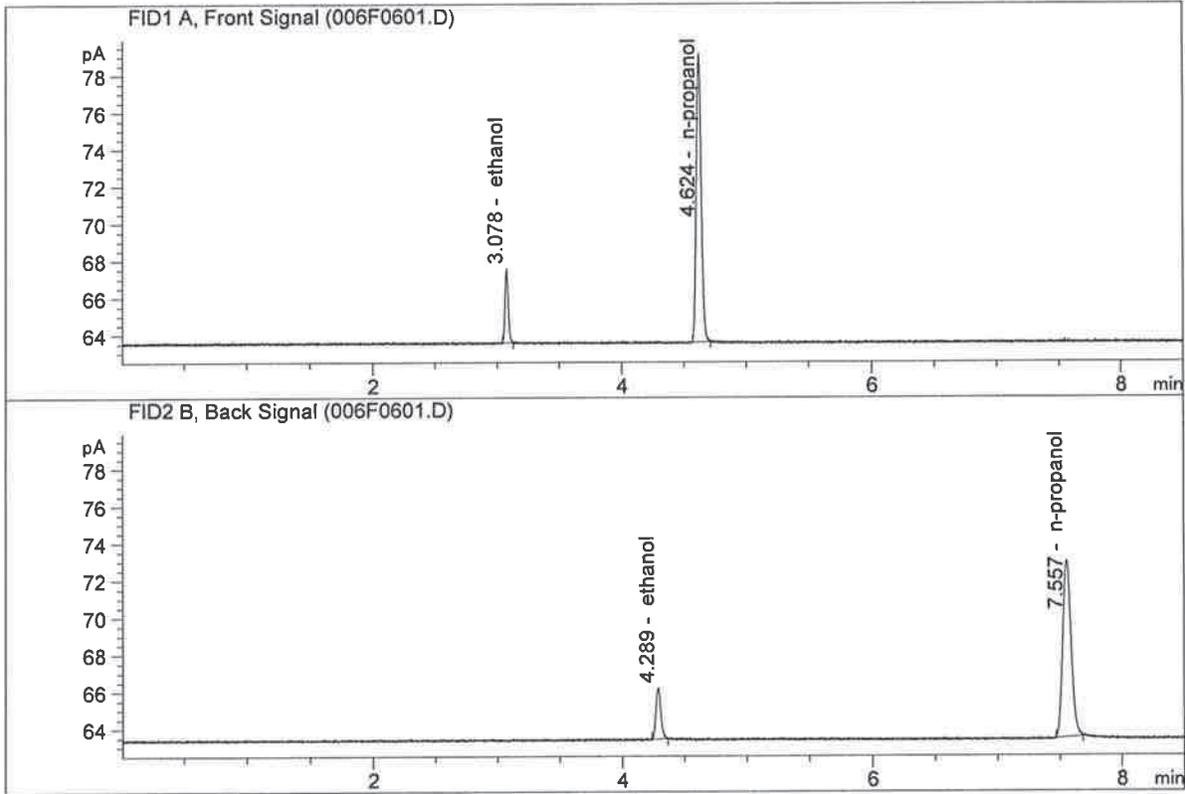


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.35419	0.0795	g/100cc
2.	Ethanol	Column 2:	7.48337	0.0798	g/100cc
3.	n-Propanol	Column 1:	45.36522	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.70477	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

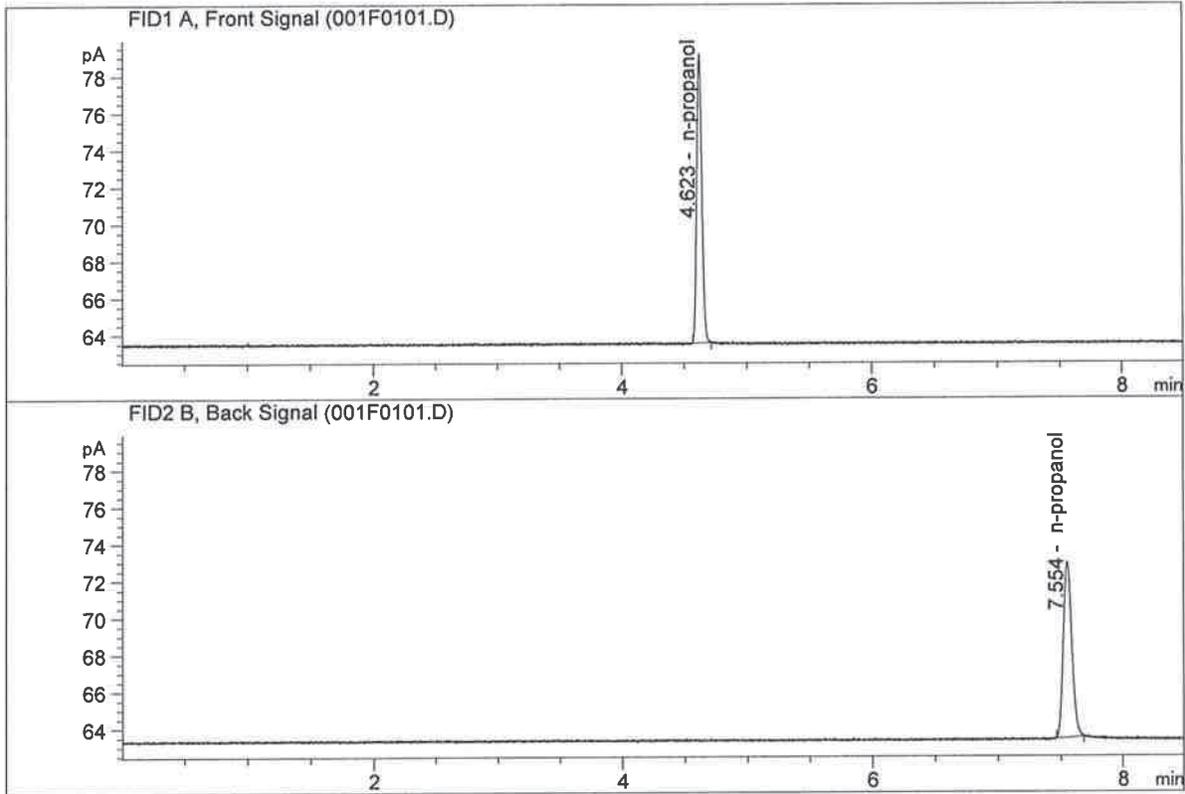


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.26231	0.0804	g/100cc
2.	Ethanol	Column 2:	7.37012	0.0808	g/100cc
3.	n-Propanol	Column 1:	44.32085	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.38211	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

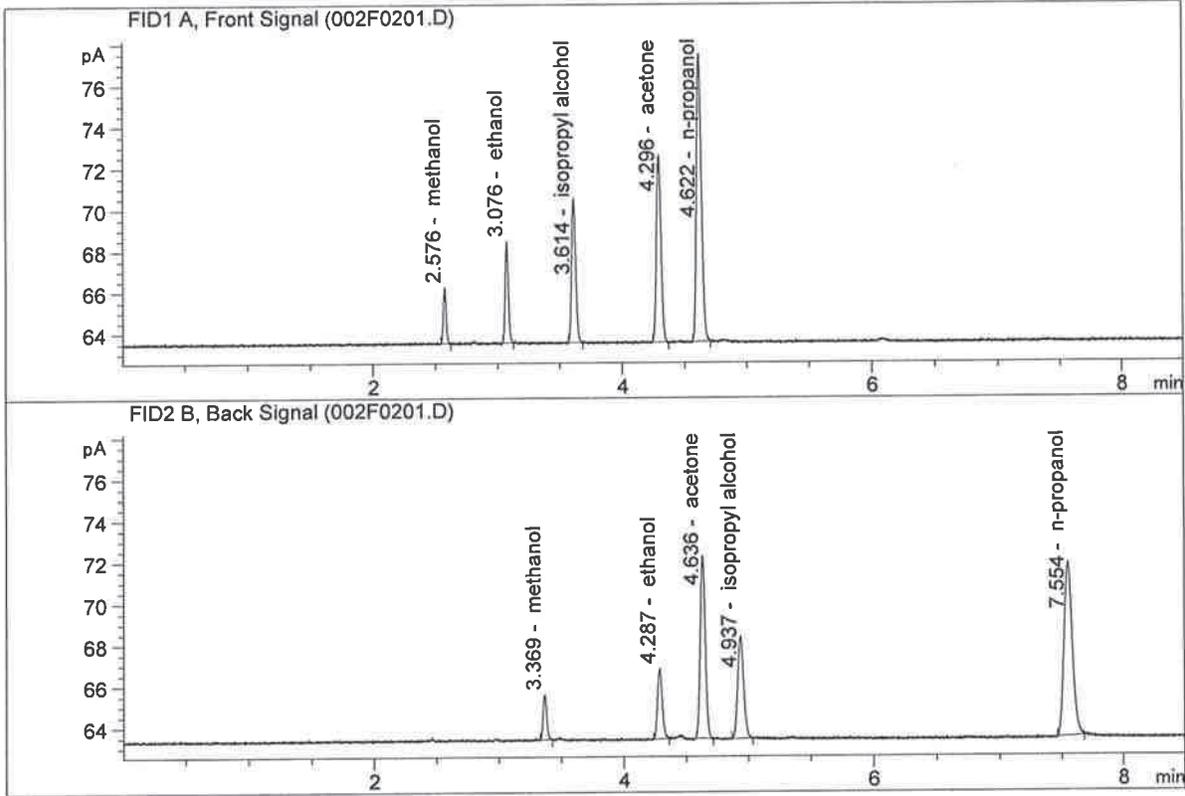


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.31915	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.55001	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

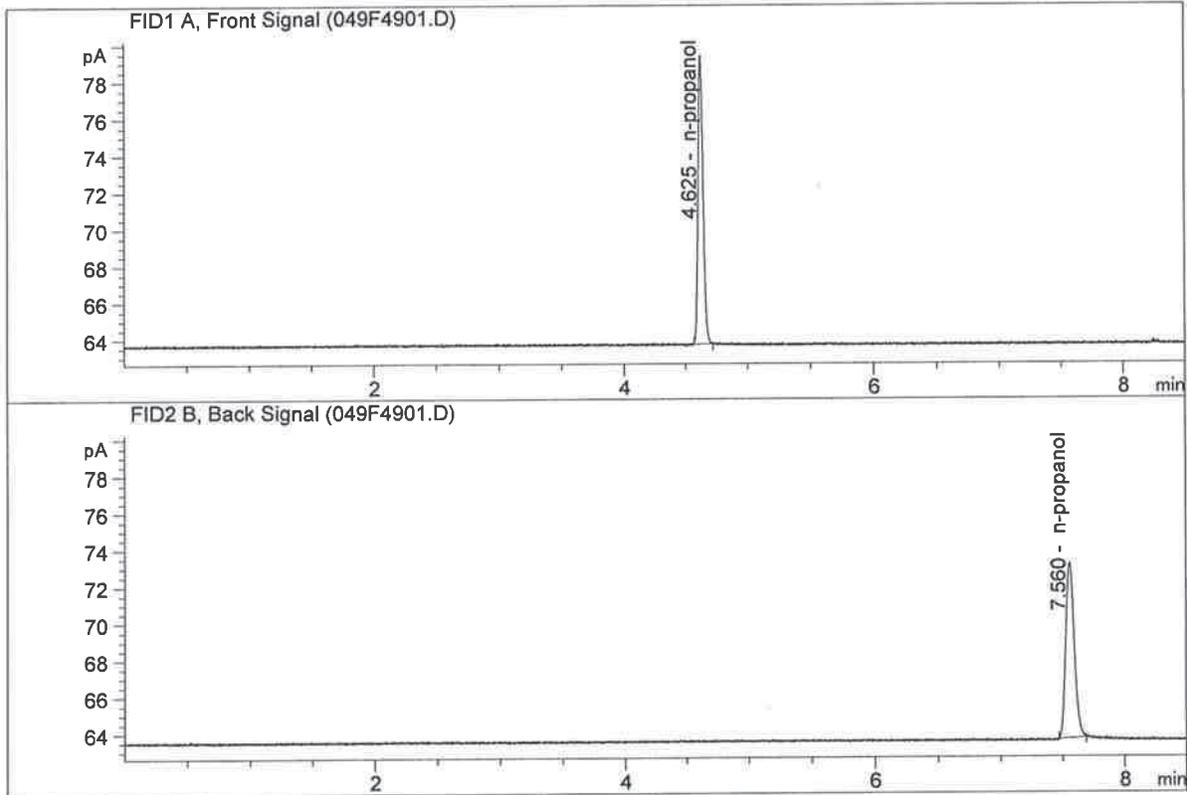


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.69747	0.1092	g/100cc
2.	Ethanol	Column 2:	8.93494	0.1101	g/100cc
3.	n-Propanol	Column 1:	38.89353	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.70459	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Meridian
 Injection Date : Mar 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	44.71210	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.55854	1.0000	g/100cc

NB

Sample Summary

Sequence table: C:\Chem32\1\Data\03-20-19_SAMPLES\03-20-19_SAMPLES 2019-03-20 12-36-42\03-20-19_SAMPLES.S
 Data directory path: C:\Chem32\1\Data\03-20-19_SAMPLES\03-20-19_SAMPLES 2019-03-20 12-36-42\
 Logbook: C:\Chem32\1\Data\03-20-19_SAMPLES\03-20-19_SAMPLES 2019-03-20 12-36-42\03-20-19_SAMPLES.LOG
 Sequence start: 3/20/2019 12:51:28 PM
 Sequence Operator: SYSTEM
 Operator: SYSTEM
 Method file name: C:\Chem32\1\Data\03-20-19_SAMPLES\03-20-19_SAMPLES 2019-03-20 12-36-42\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D		2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D		10
3	3	1	QC1-1-A	-	1.0000	003F0301.D		4
4	4	1	QC1-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	M2019-1106-1.1-A	-	1.0000	007F0701.D		4
8	8	1	M2019-1106-1.1-B	-	1.0000	008F0801.D		4
9	9	1	M2019-1106-1.2-A	-	1.0000	009F0901.D		4
10	10	1	M2019-1106-1.2-B	-	1.0000	010F1001.D		4
11	11	1	M2019-1106-1.3-A	-	1.0000	011F1101.D		4
12	12	1	M2019-1106-1.3-B	-	1.0000	012F1201.D		4
13	13	1	M2019-1106-1.4-A	-	1.0000	013F1301.D		4
14	14	1	M2019-1106-1.4-B	-	1.0000	014F1401.D		4
15	15	1	M2019-1191-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-1191-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-1192-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-1192-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-1217-1-A	-	1.0000	019F1901.D		4
20	20	1	M2019-1217-1-B	-	1.0000	020F2001.D		4
21	21	1	M2019-1253-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-1253-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-1286-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-1286-1-B	-	1.0000	024F2401.D		4
25	25	1	QC2-1-A	-	1.0000	025F2501.D		4
26	26	1	QC2-1-B	-	1.0000	026F2601.D		4
27	27	1	M2019-1287-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-1287-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-1288-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-1288-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-1296-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-1296-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-1297-1-A	-	1.0000	033F3301.D		2
34	34	1	M2019-1297-1-B	-	1.0000	034F3401.D		2
35	35	1	M2019-1310-1-A	-	1.0000	035F3501.D		4
36	36	1	M2019-1310-1-B	-	1.0000	036F3601.D		4
37	37	1	M2019-1311-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-1311-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-1312-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-1312-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-1330-1-A	-	1.0000	041F4101.D		4
42	42	1	M2019-1330-1-B	-	1.0000	042F4201.D		4
43	43	1	M2019-1332-1-A	-	1.0000	043F4301.D		4

NB

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
44	44	1	M2019-1332-1-B	-	1.0000	044F4401.D		4
45	45	1	M2019-1340-3-A	-	1.0000	045F4501.D		2
46	46	1	M2019-1340-3-B	-	1.0000	046F4601.D		2
47	47	1	QC1-2-A	-	1.0000	047F4701.D		4
48	48	1	QC1-2-B	-	1.0000	048F4801.D		4
49	49	1	INTERNAL STD BLK	-	1.0000	049F4901.D		2

Method file name: C:\Chem32\1\Data\03-20-19_SAMPLES\03-20-19_SAMPLES 2019-03-20 12-36-42
 \SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
50	50	1	EMPTY	-	1.0000	050F5001.D		0

NB