Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD96BC1382/MD94AM10010

Volatiles Quality Assurance Controls

Run Dates:01/02/18-01/03/18

Calibration:01/02/2018

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702-0.0858	0.0775 g/100cc
					0.0794 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818-.2222	0.2023 g/100cc
					0.2056 g/100cc
					g/100cc
Multi-Component mixture:		**Exp date: Oct 2019**	**Lot #**	FN09231404	OK
Curve Fit:		**Column 1**	0.99999	**Column2**	0.99996

Ethanol Calibration Reference Material								
Calibrator level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Column 1**	**Column 2**	**Precision**	**Mean**
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0511	0.0523	0.0012	0.0517
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-19	FN06181501	0.100	0.090 - 0.110	0.0993	0.0998	0.0005	0.0995
0.200	Dec-19	FN12011401	0.200	0.180 - 0.220	0.1994	0.1986	0.0008	0.199
0.300	Jun-20	FN02121501	0.300	0.270 - 0.330	0.3000	0.2993	0.0007	0.2996
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5003	0.5010	0.0007	0.5006

Aqueous Controls					
Control level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Overall Results**
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.080 g/100cc

JC

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

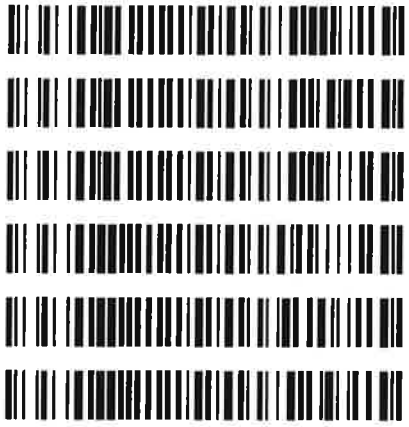
JC

Worklist: 2104

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2017-5642	1	102017	Alcohol Analysis
M2017-5664	2	102136	Alcohol Analysis
M2017-5681	1	102137	Alcohol Analysis
M2017-5684	1	102166	Alcohol Analysis
M2017-5686	1	102171	Alcohol Analysis
M2017-5688	1	102213	Alcohol Analysis
M2017-5689	1	102214	Alcohol Analysis
M2017-5690	1	102215	Alcohol Analysis
M2017-5691	1	102216	Alcohol Analysis
M2017-5715	1	102420	Alcohol Analysis
M2017-5718	1	102425	Alcohol Analysis
M2017-5750	1	102571	Alcohol Analysis
M2017-5751	1	102574	Alcohol Analysis
M2017-5752	1	102575	Alcohol Analysis
M2017-5753	1	102595	Alcohol Analysis
M2017-5765	1	102709	Alcohol Analysis
M2017-5766	1	102711	Alcohol Analysis
M2017-5775	1	102724	Alcohol Analysis
M2017-5778	1	102736	Alcohol Analysis
M2017-5779	1	102737	Alcohol Analysis
M2017-5780	1	102738	Alcohol Analysis
M2017-5797	1	102756	Alcohol Analysis
M2017-5816	1	102914	Alcohol Analysis

Worklist: 2104

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2017-5817	1	102917	Alcohol Analysis
M2017-5818	1	102918	Alcohol Analysis
M2017-5819	1	102924	Alcohol Analysis
P2017-2878	2	101739	Alcohol Analysis
P2017-2932	2	102734	Alcohol Analysis
P2017-2970	2	102921	Alcohol Analysis



JC

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, January 02, 2018 3:31:48 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

Method C:\CHEM32\1\METHODS\ALCOHOL.M

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	4.34338	1.15118e-2	No	No	1	ethanol
		2	1.00000e-1	8.88506	1.12548e-2				
		3	2.00000e-1	17.95473	1.11391e-2				
		4	3.00000e-1	27.17341	1.10402e-2				
		5	5.00000e-1	45.58664	1.09681e-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	4.38203	1.14102e-2	No	No	2	ethanol
		2	1.00000e-1	8.99757	1.11141e-2				
		3	2.00000e-1	18.46600	1.08307e-2				
		4	3.00000e-1	28.12341	1.06673e-2				
		5	5.00000e-1	47.65711	1.04916e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.620	1	1	1.00000	44.36193	2.25419e-2	No	Yes	1	n-propanol
		2	1.00000	45.77029	2.18482e-2				
		3	1.00000	45.56875	2.19449e-2				
		4	1.00000	45.67407	2.18943e-2				
		5	1.00000	45.83242	2.18186e-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	45.35300	2.20493e-2	No	Yes	2	n-propanol
		2	1.00000	46.68076	2.14221e-2				
		3	1.00000	46.23908	2.16267e-2				
		4	1.00000	46.27158	2.16115e-2				
		5	1.00000	46.49180	2.15092e-2				

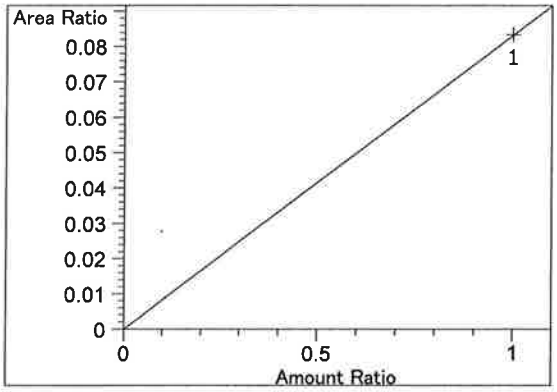
Peak Sum Table

No Entries in table

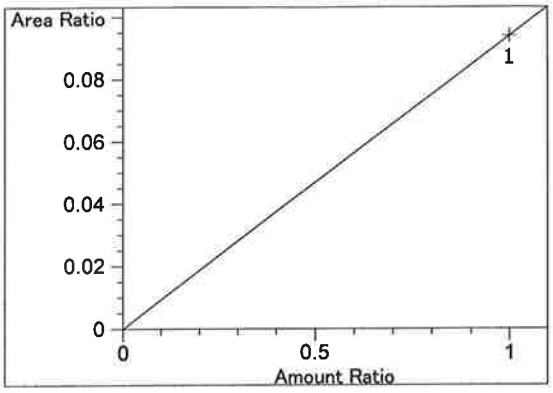
1 Warnings or Errors :

Warning : Curve requires more calibration points., (methanol)

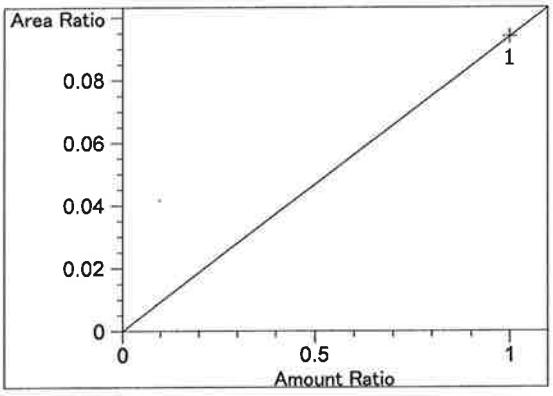
Calibration Curves



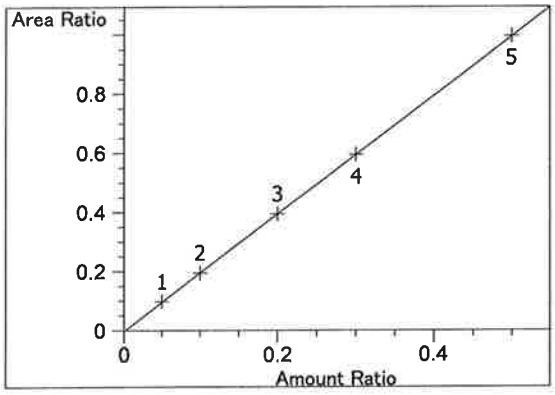
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 8.33303e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



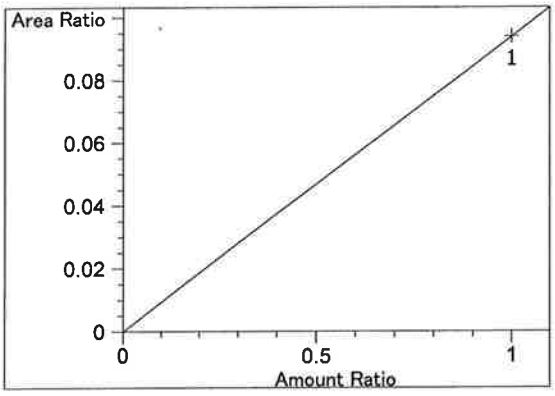
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.39519e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.39519e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

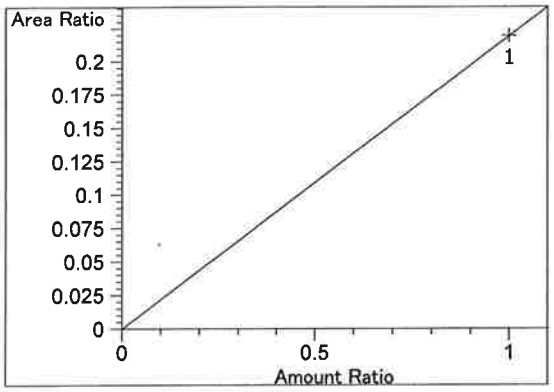


ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00168
Formula: y = mx + b
m: 1.99624
b: -4.00946e-3
x: Amount Ratio
y: Area Ratio

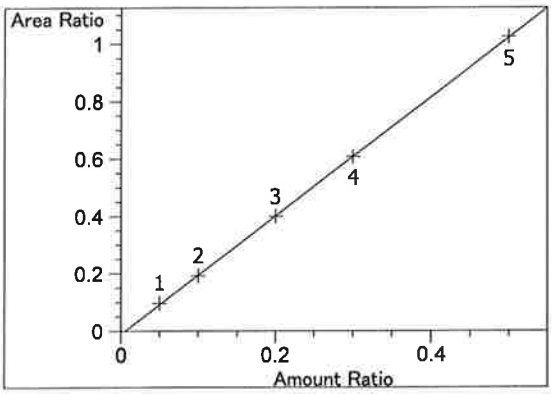


methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.39436e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio

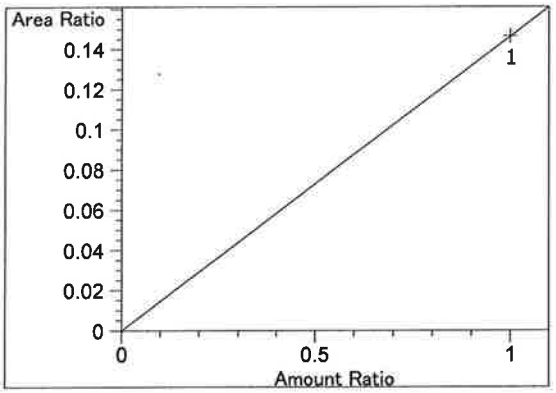
JL



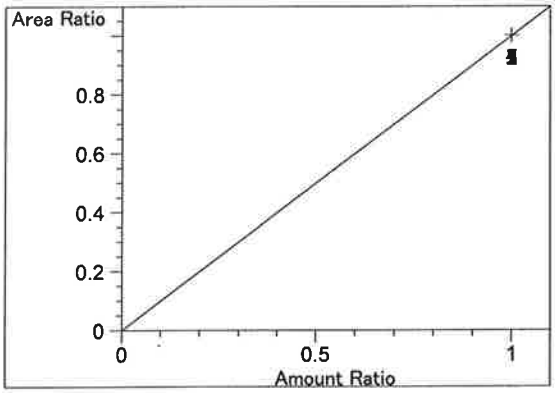
isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.19345e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



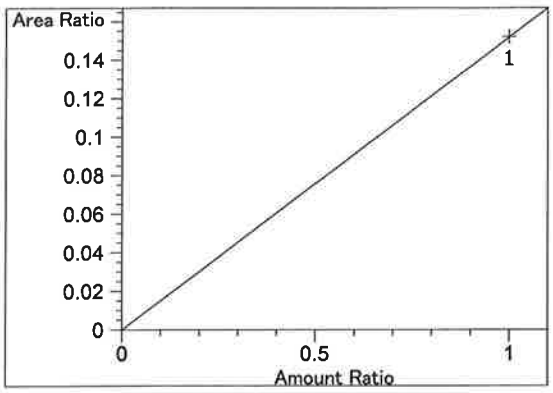
ethanol at exp. RT: 4.285
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00382
Formula: y = mx + b
m: 2.06940
b: -1.16458e-2
x: Amount Ratio
y: Area Ratio



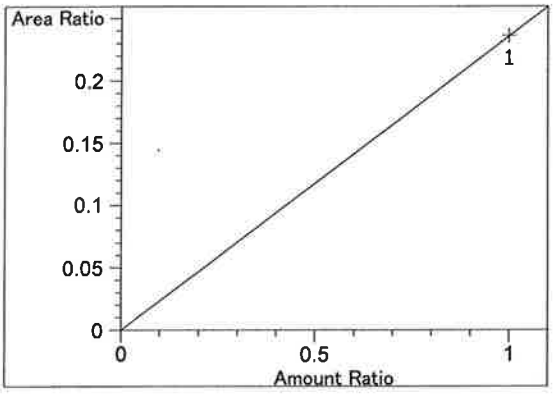
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.46509e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



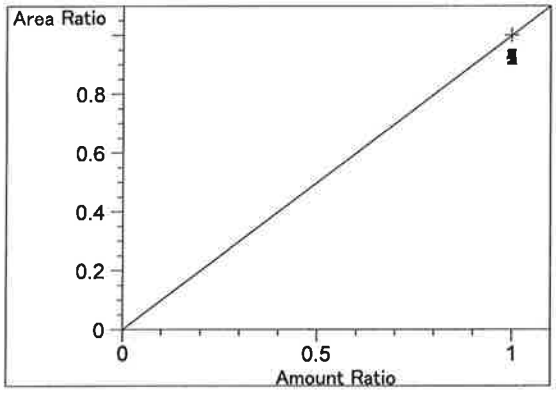
n-propanol at exp. RT: 4.620
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.51986e-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: 2.36068e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



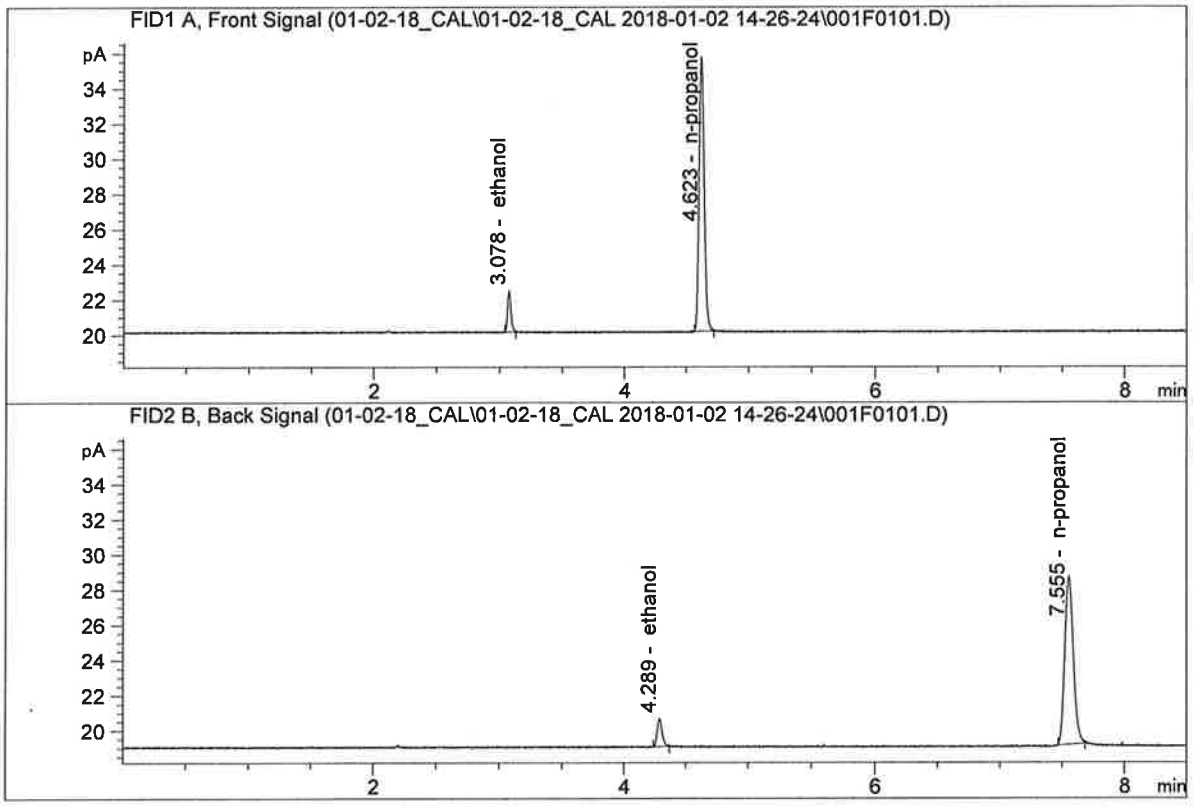
n-propanol at exp. RT: 7.550
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

JG

ISP Forensic Services Blood Alcohol Report

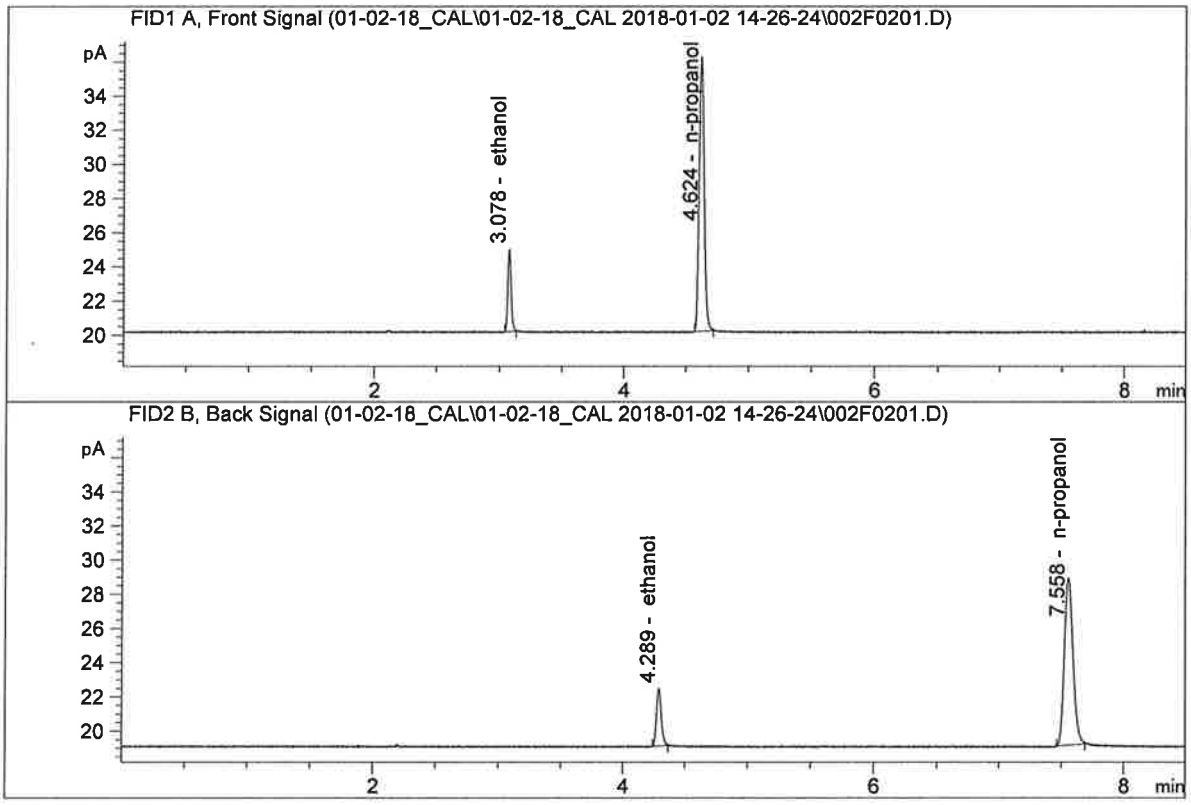
Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.34338	0.0511	g/100cc
2.	Ethanol	Column 2:	4.38203	0.0523	g/100cc
3.	n-Propanol	Column 1:	44.36193	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.35300	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

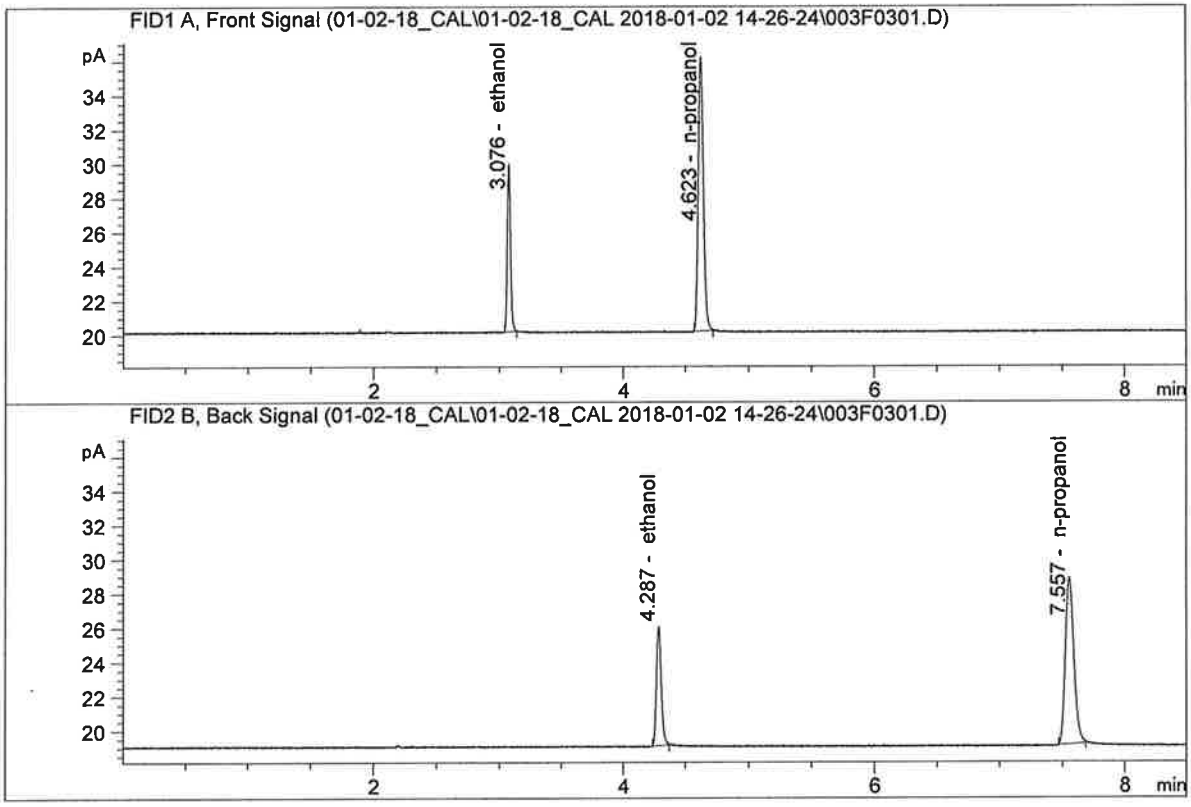


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.88506	0.0993	g/100cc
2.	Ethanol	Column 2:	8.99757	0.0988	g/100cc
3.	n-Propanol	Column 1:	45.77029	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.68076	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN12011401
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

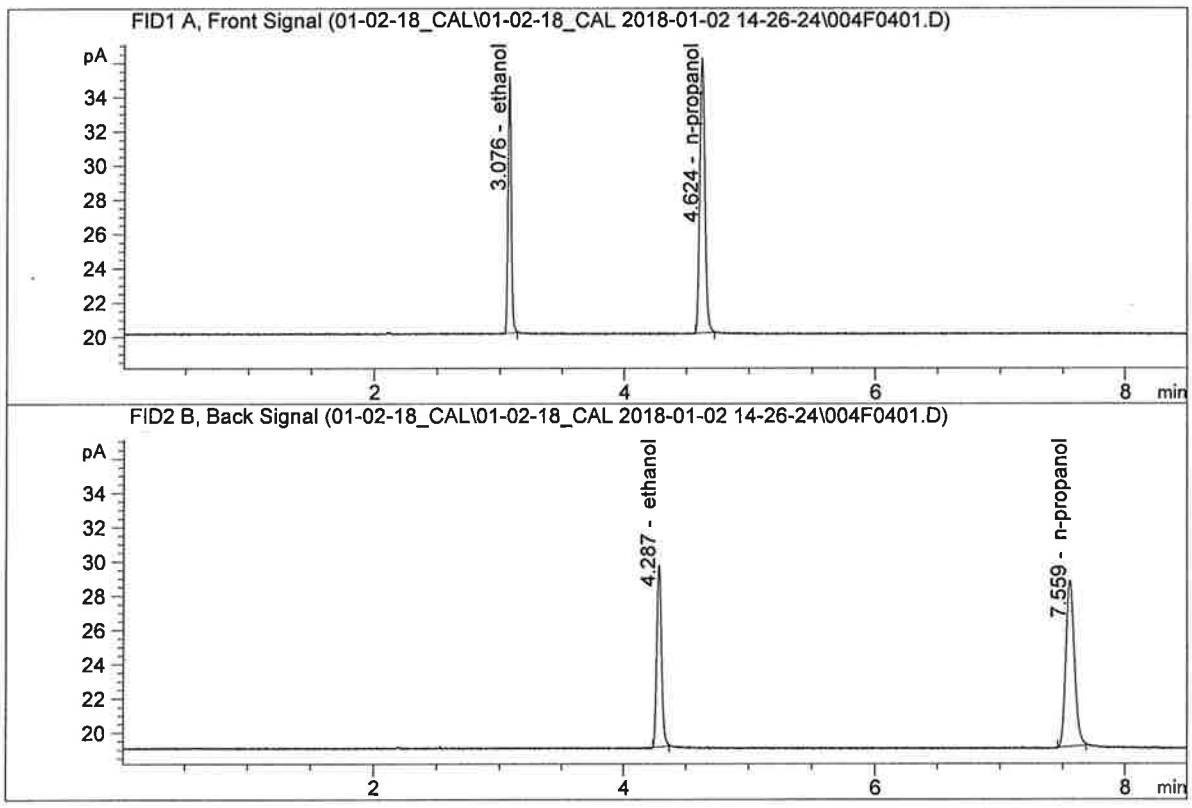


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.95473	0.1994	g/100cc
2.	Ethanol	Column 2:	18.46600	0.1986	g/100cc
3.	n-Propanol	Column 1:	45.56875	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.23908	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

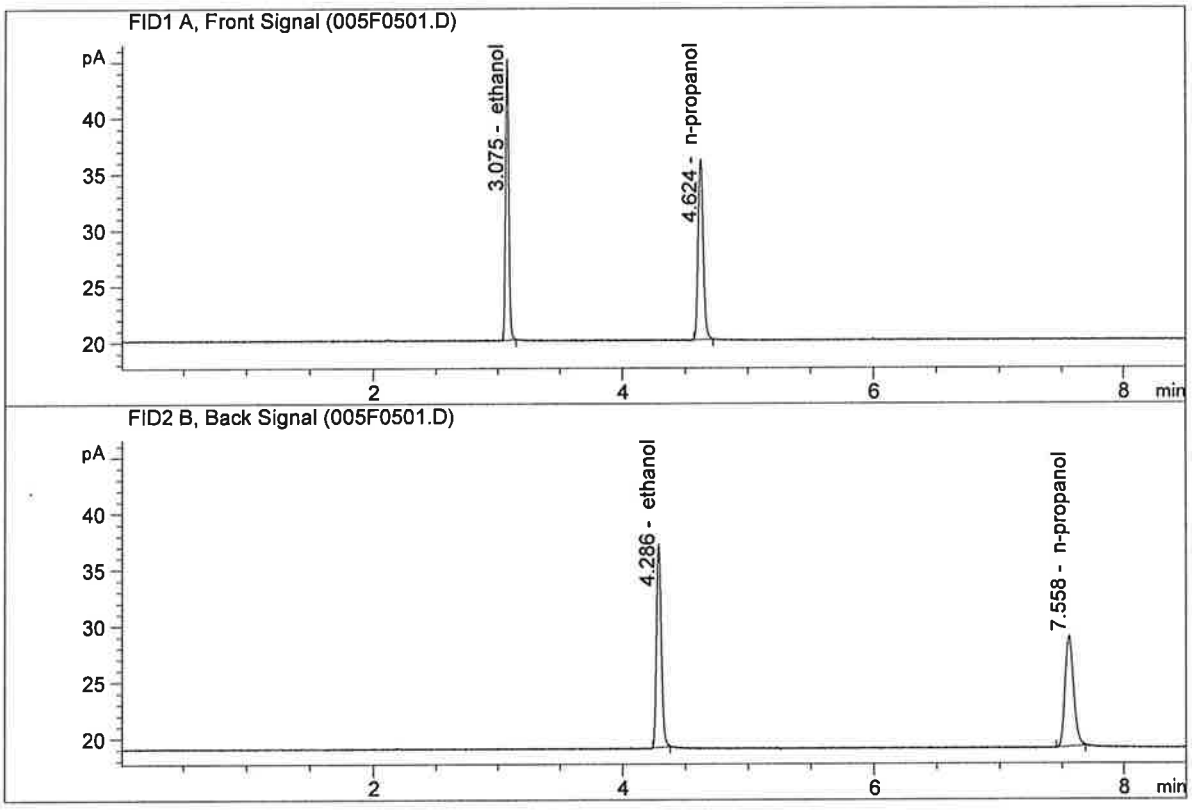
Sample Name : 0.300 FN06051501
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.17341	0.3000	g/100cc
2.	Ethanol	Column 2:	28.12341	0.2993	g/100cc
3.	n-Propanol	Column 1:	45.67407	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.27158	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

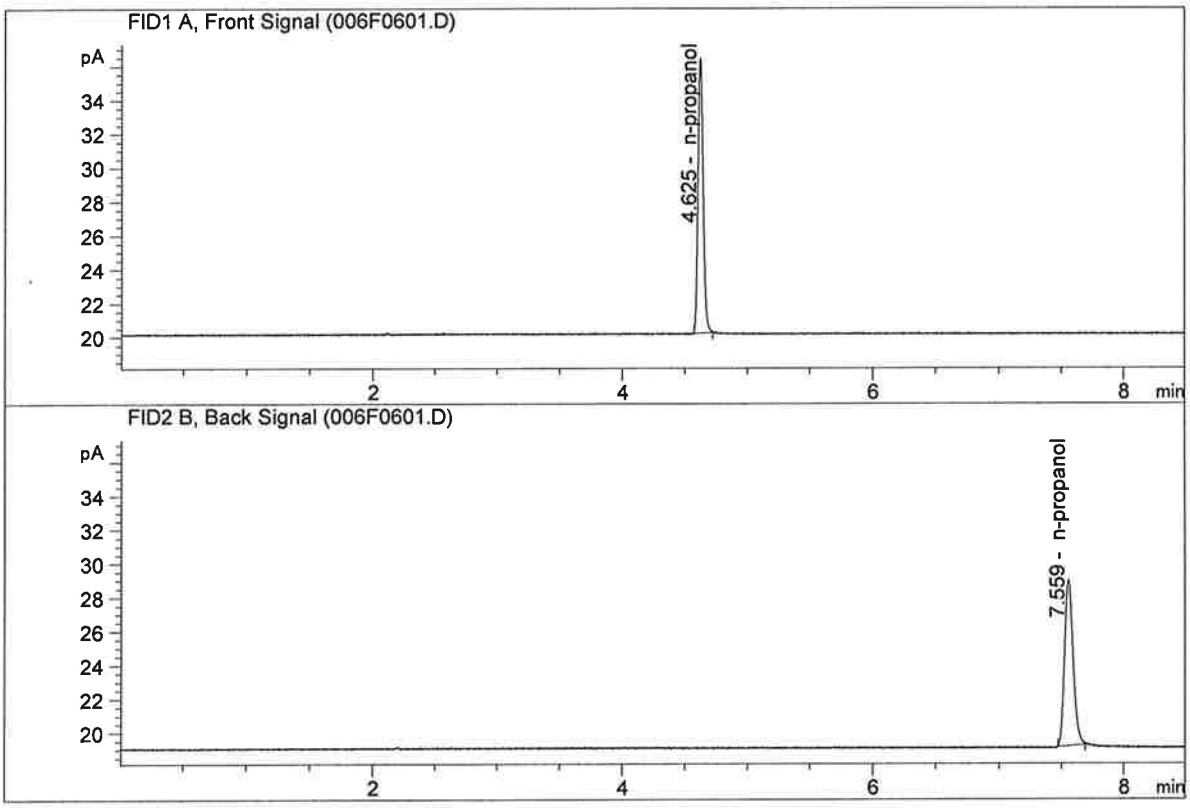


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.58664	0.5003	g/100cc
2.	Ethanol	Column 2:	47.65711	0.5010	g/100cc
3.	n-Propanol	Column 1:	45.83242	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.49180	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Jan 2, 2018
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:	46.16694	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.57722	1.0000	g/100cc

Sequence File C:\Chem32\1\Data\01-02-18_CAL\01-02-18_CAL 2018-01-02 14-26-24\01-02-18_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\01-02-18_CAL\01-02-18_CAL 2018-01-02 14-26-24\01-02-18_CAL.S
Data directory path: C:\Chem32\1\Data\01-02-18_CAL\01-02-18_CAL 2018-01-02 14-26-24\
Logbook: C:\Chem32\1\Data\01-02-18_CAL\01-02-18_CAL 2018-01-02 14-26-24\01-02-18_CAL.LOG
Sequence start: 1/2/2018 2:41:02 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

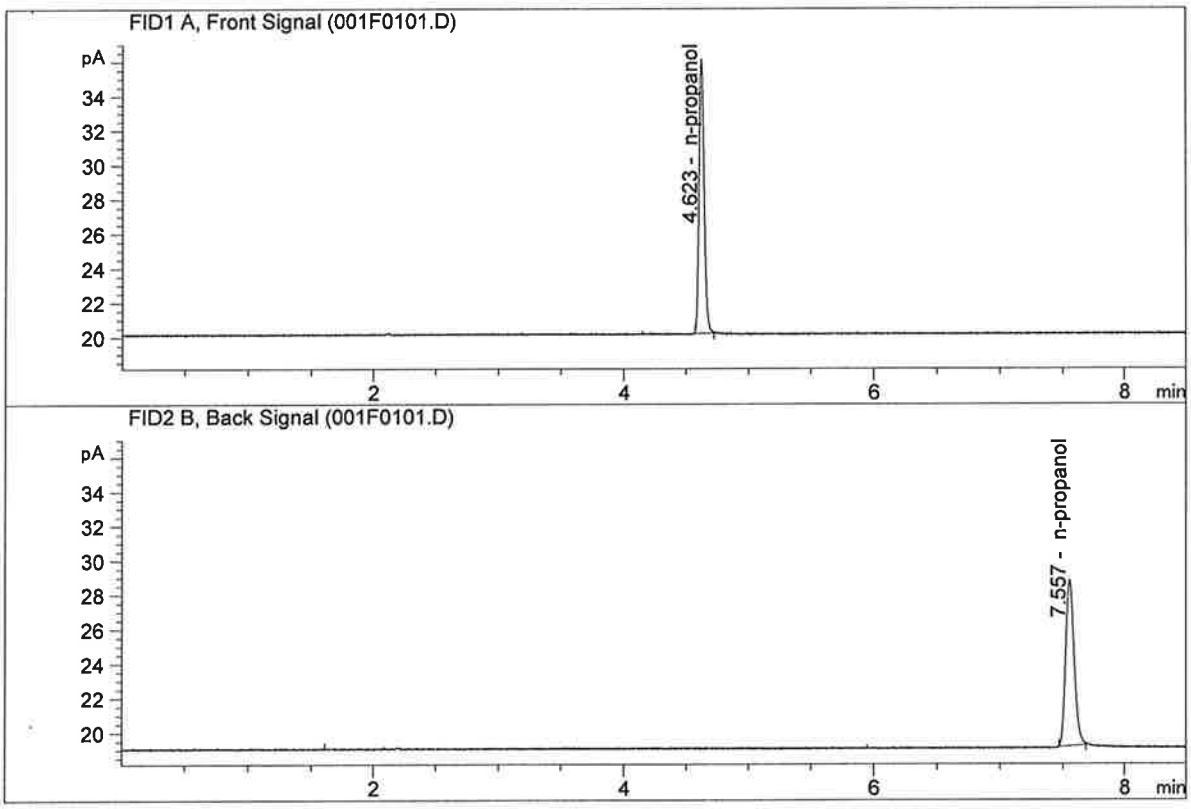
Method file name: C:\Chem32\1\Data\01-02-18_CAL\01-02-18_CAL 2018-01-02 14-26-24\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN06231406	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN06181501	-	1.0000	002F0201.D	*	4
3	3	1	0.200 FN12011401	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN06051501	-	1.0000	004F0401.D	*	4
5	5	1	0.500 FN07031402	-	1.0000	005F0501.D	*	4
6	6	1	INTERNAL STANDAR	-	1.0000	006F0601.D		2

JC

ISP Forensic Services Blood Alcohol Report

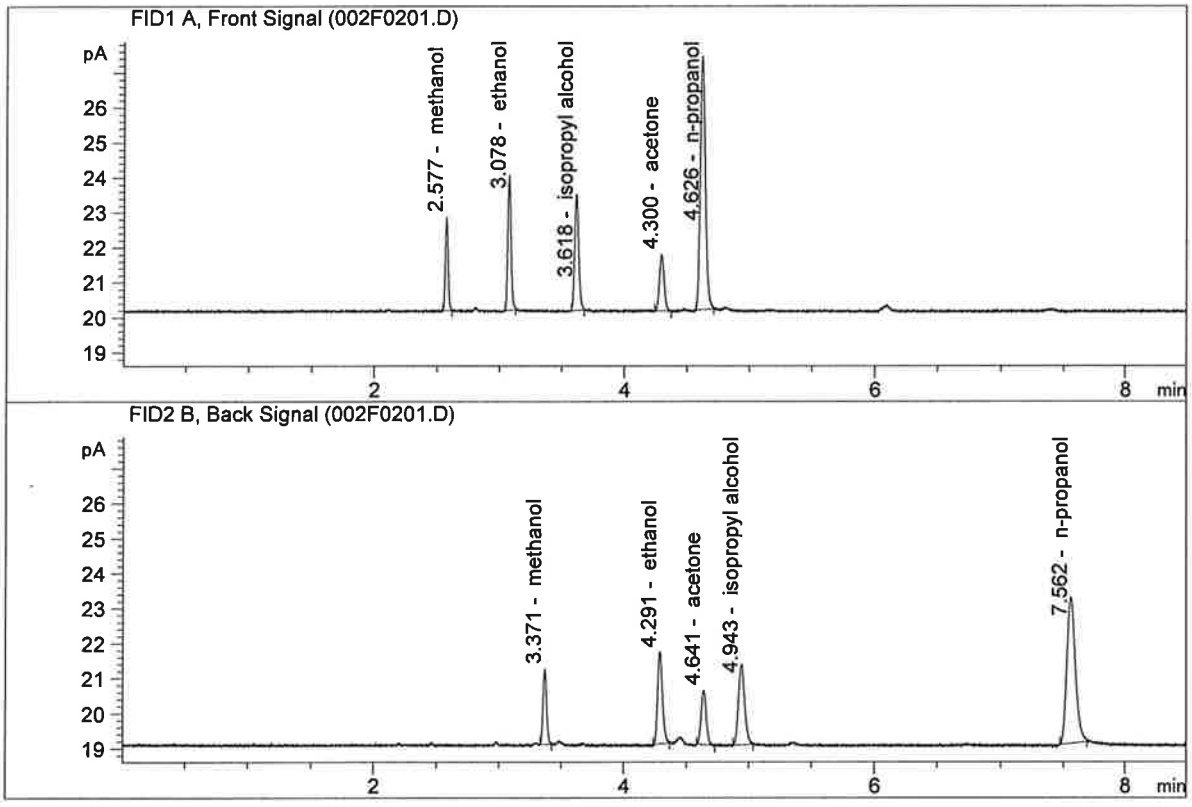
Sample Name	:	INTERNAL STD BLK 1
Laboratory	:	Meridian
Injection Date	:	Jan 2, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167



#	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:	45.25476	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.77992	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.02141	0.1725	g/100cc
2.	Ethanol	Column 2:	7.02872	0.1744	g/100cc
3.	n-Propanol	Column 1:	20.62602	1.0000	g/100cc
4.	n-Propanol	Column 2:	20.12240	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 02 Jan 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0772	0.0778	0.0006	0.0775	0.0775	
(g/100cc)	0.0771	0.0782	0.0011	0.0776		

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:
MD96BC1382/MD94AM10010

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

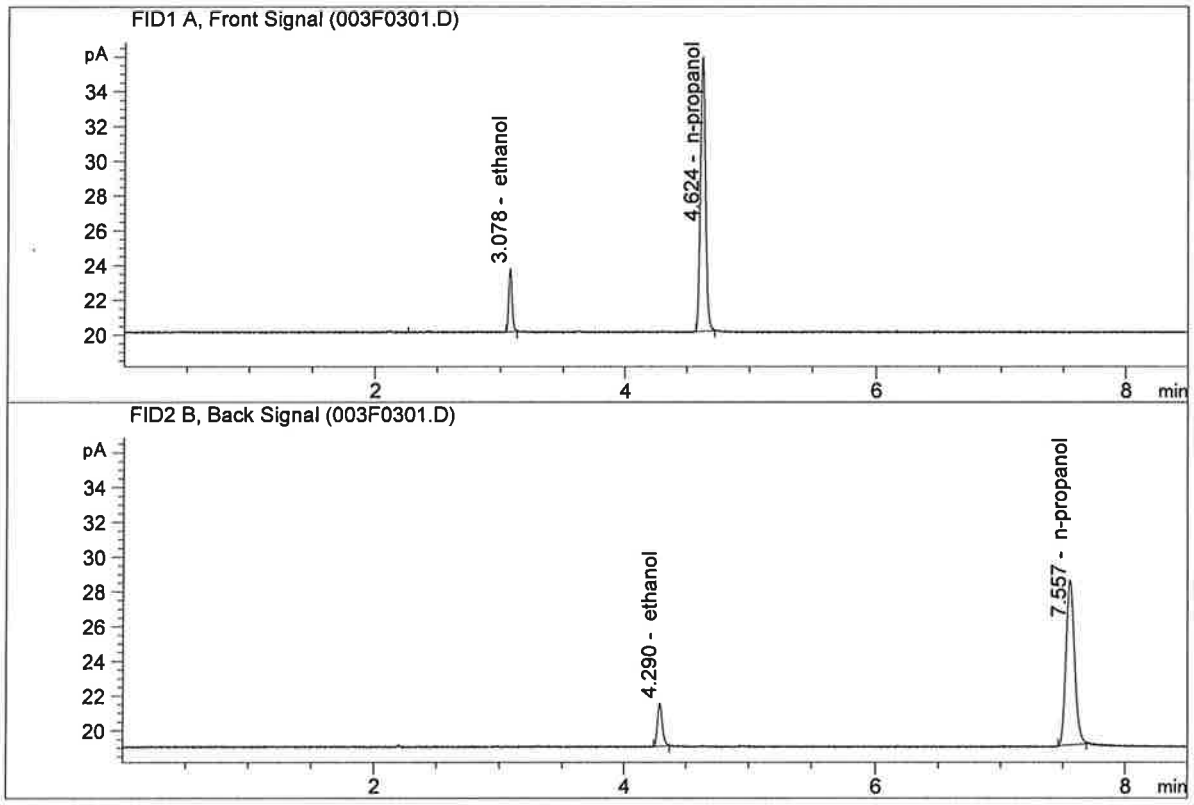
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

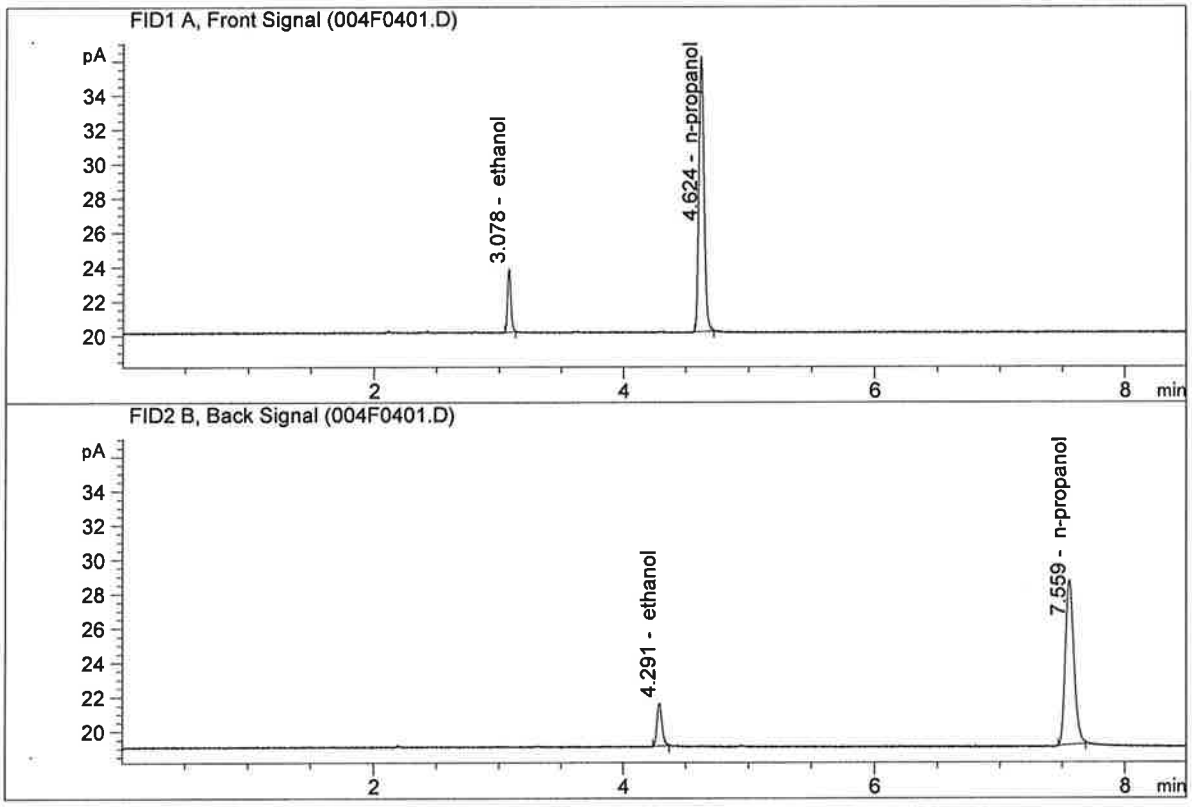
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.74727	0.0772	g/100cc
2.	Ethanol	Column 2:	6.76498	0.0778	g/100cc
3.	n-Propanol	Column 1:	44.96144	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.29998	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument : CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.82075	0.0771	g/100cc
2.	Ethanol	Column 2:	6.85735	0.0782	g/100cc
3.	n-Propanol	Column 1:	45.48864	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.68853	1.0000	g/100cc

JC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 02 Jan 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0803	0.0799	0.0004	0.0801	0.0801	
(g/100cc)	0.0803	0.0799	0.0004	0.0801		

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:
MD96BC1382/MD94AM10010

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**

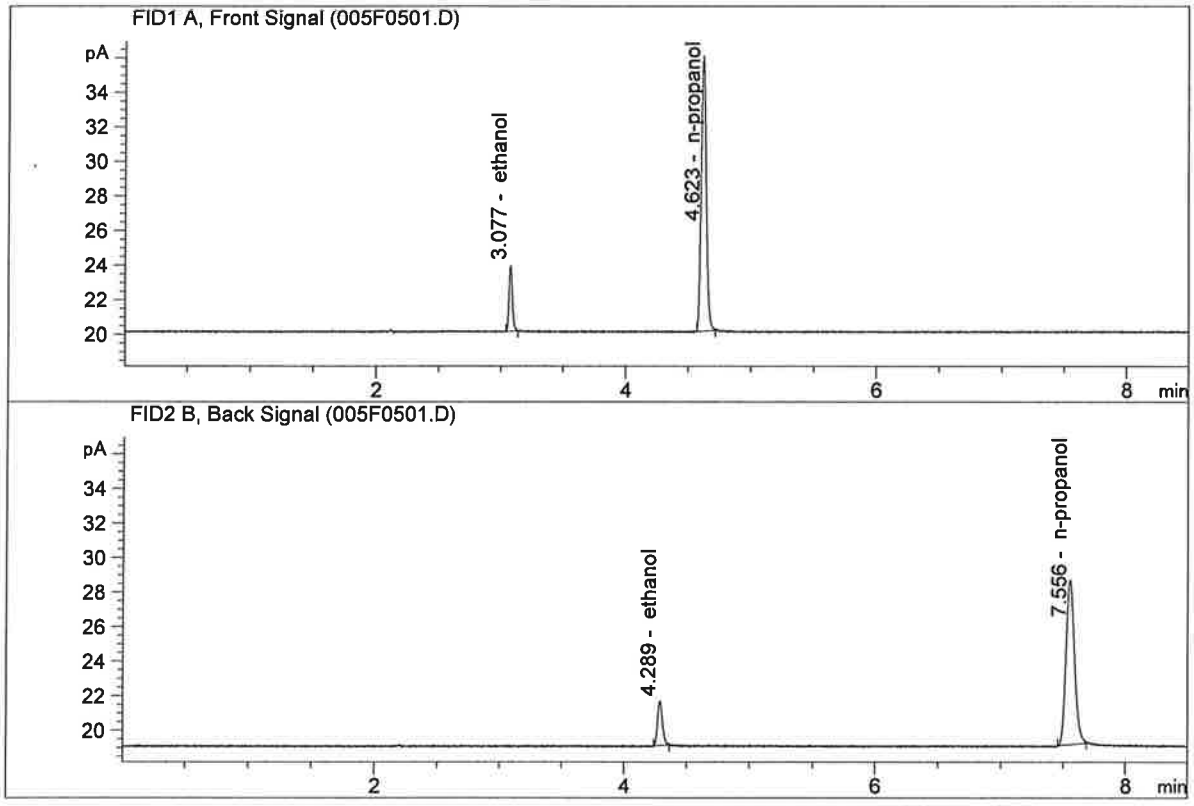
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

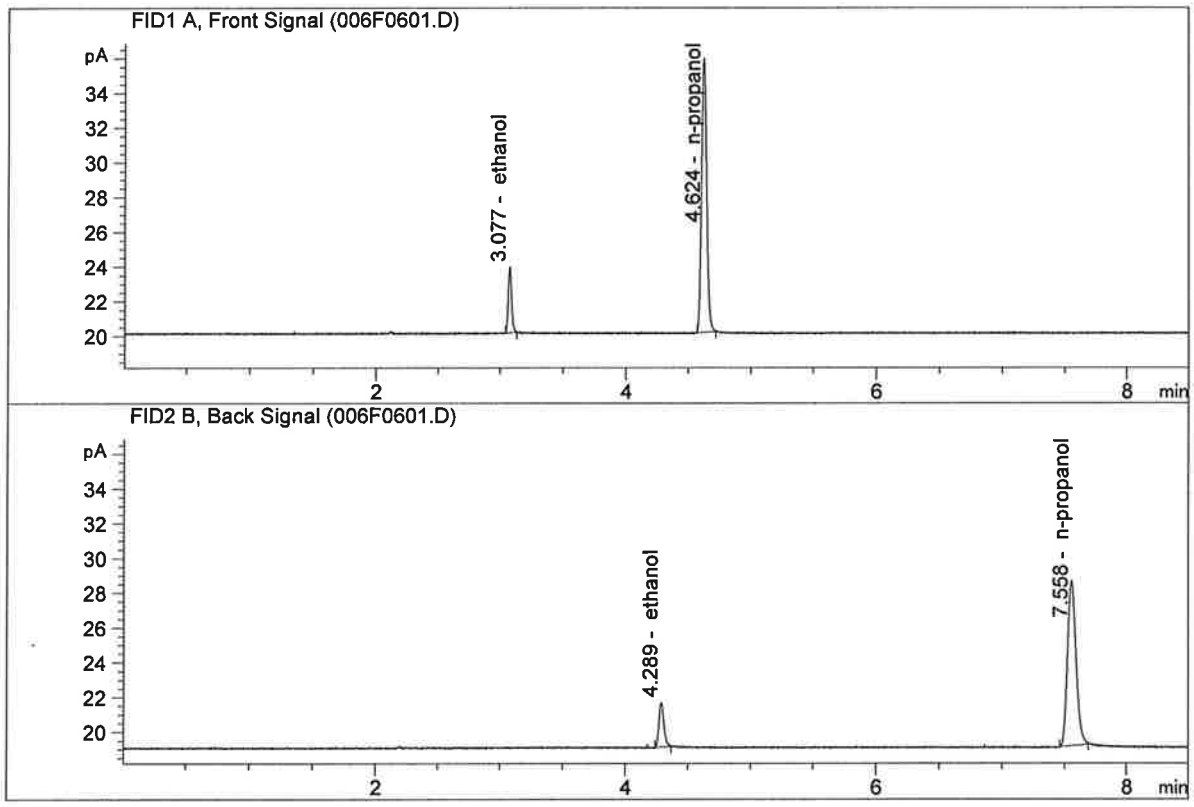


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.06771	0.0803	g/100cc
2.	Ethanol	Column 2:	6.99004	0.0799	g/100cc
3.	n-Propanol	Column 1:	45.20224	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.47877	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.02267	0.0803	g/100cc
2.	Ethanol	Column 2:	6.95557	0.0799	g/100cc
3.	n-Propanol	Column 1:	44.91489	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.27577	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 02 Jan 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2026	0.2019	0.0007	0.2022	0.2023	
(g/100cc)	0.2033	0.2017	0.0016	0.2025		

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:
MD96BC1382/MD94AM10010

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.202	**0.191**	**0.213**	**0.011**

Reported Result

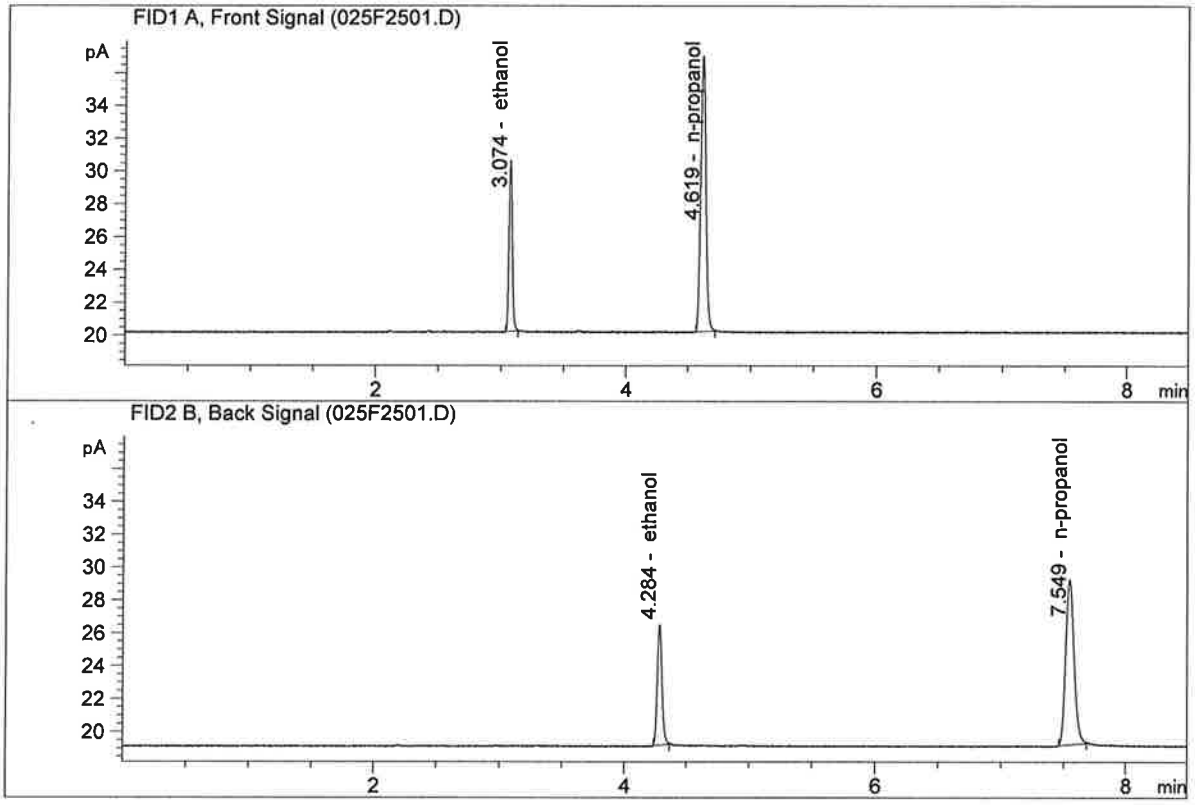
0.202

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Jan 2, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

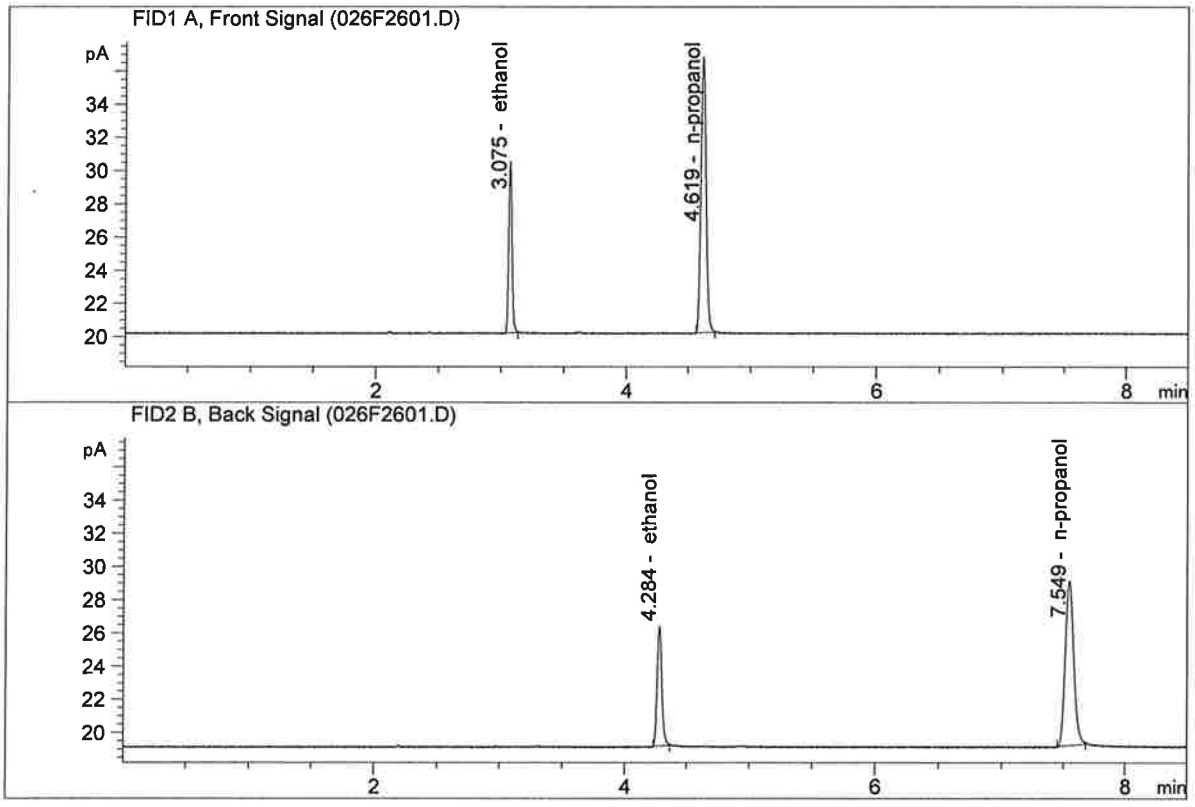


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.12713	0.2026	g/100cc
2.	Ethanol	Column 2:	19.42618	0.2019	g/100cc
3.	n-Propanol	Column 1:	47.77565	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.82661	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC2-1-B
Laboratory	:	Meridian
Injection Date	:	Jan 2, 2018
Method	:	ALCOHOL.M
Acq. Instrument	:	CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.91894	0.2033	g/100cc
2.	Ethanol	Column 2:	19.19372	0.2017	g/100cc
3.	n-Propanol	Column 1:	47.08396	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.29315	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 03 Jan 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0800	0.0800	0.0000	0.0800	0.0794	
(g/100cc)	0.0789	0.0788	0.0001	0.0788		

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:
MD96BC1382/MD94AM10010

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	**0.075**	**0.083**	**0.004**

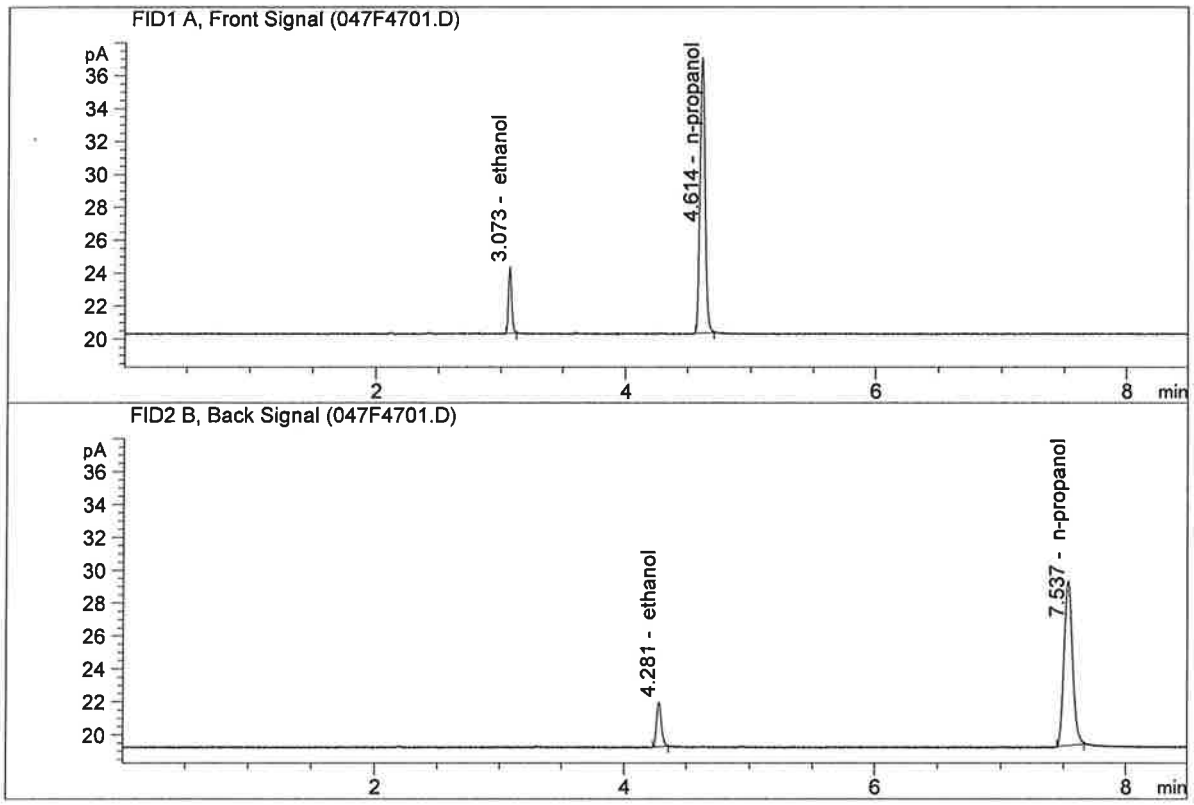
	Reported Result	
	0.079	

Calibration and control data are stored centrally.

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Jan 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

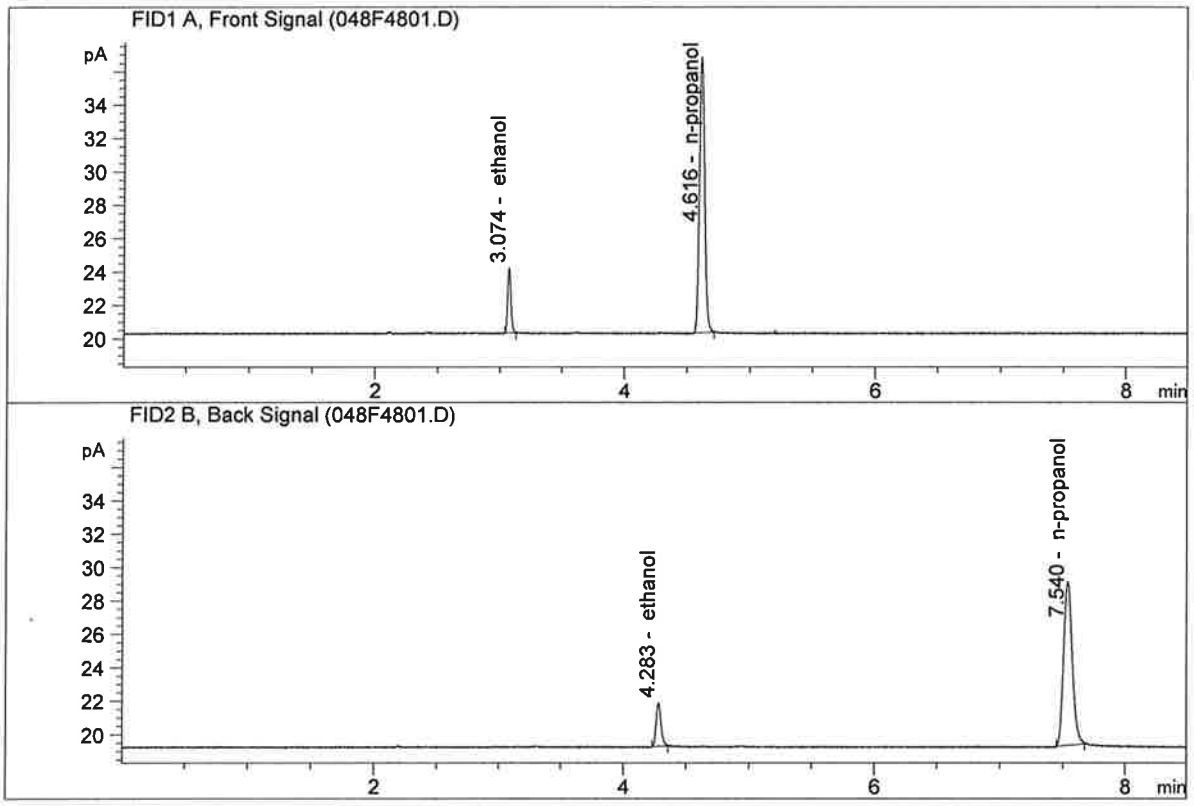


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.39693	0.0800	g/100cc
2.	Ethanol	Column 2:	7.28434	0.0800	g/100cc
3.	n-Propanol	Column 1:	47.49338	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.34700	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Jan 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.17906	0.0789	g/100cc
2.	Ethanol	Column 2:	7.08062	0.0788	g/100cc
3.	n-Propanol	Column 1:	46.77968	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.75440	1.0000	g/100cc

JL

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 03 Jan 2018**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2109	0.2064	0.0045	0.2086	0.2056	
(g/100cc)	0.2025	0.2027	0.0002	0.2026		

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:
MD96BC1382/MD94AM10010

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.205	**0.194**	**0.216**	**0.011**

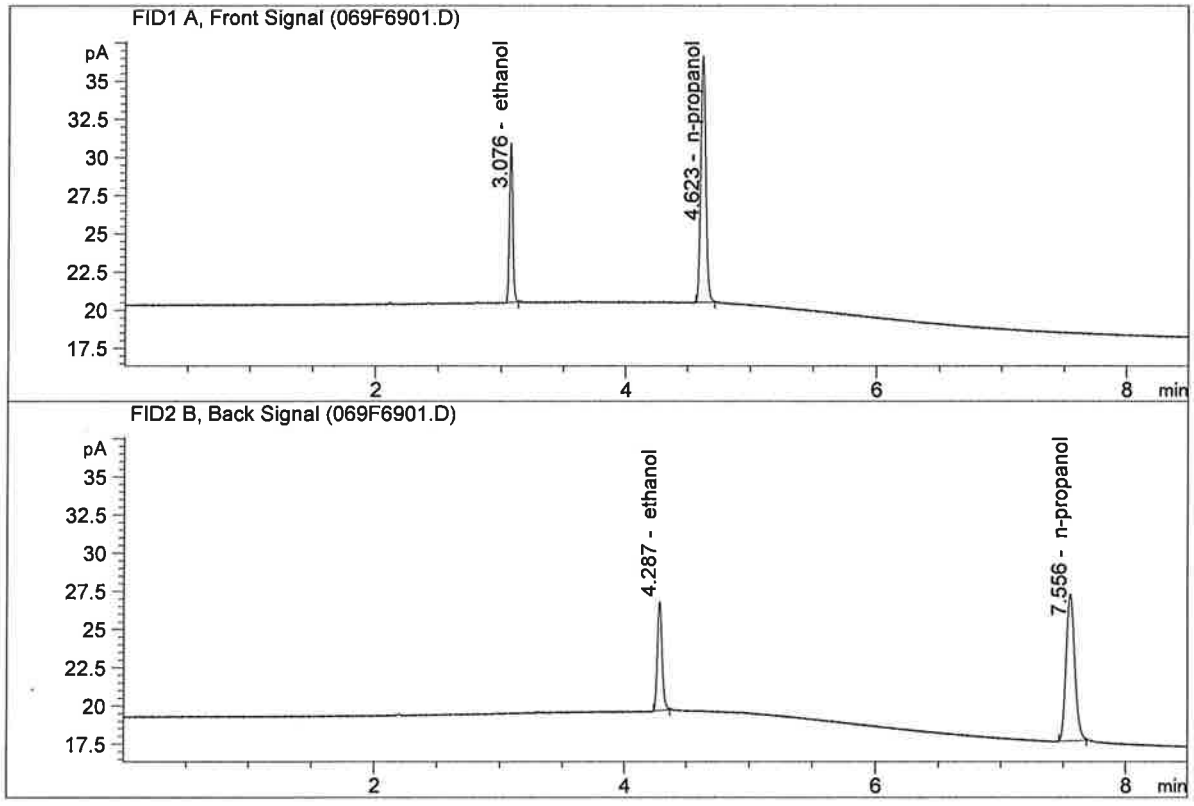
Reported Result

0.205

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Jan 3, 2018
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

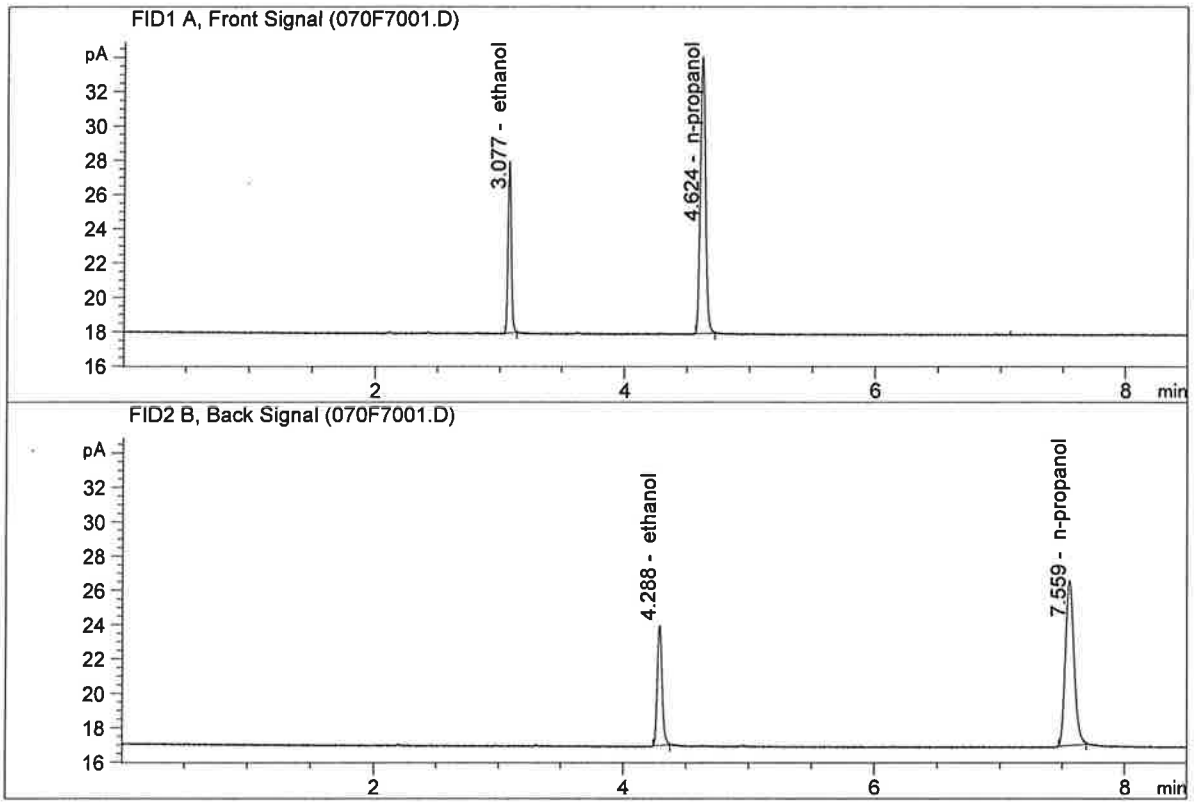


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.09872	0.2109	g/100cc
2.	Ethanol	Column 2:	18.96914	0.2064	g/100cc
3.	n-Propanol	Column 1:	45.80843	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.65074	1.0000	g/100cc

JL

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Jan 3, 2018
Method : ALCOHOL.M
Acq. Instrument : CN11180014-CN11041167

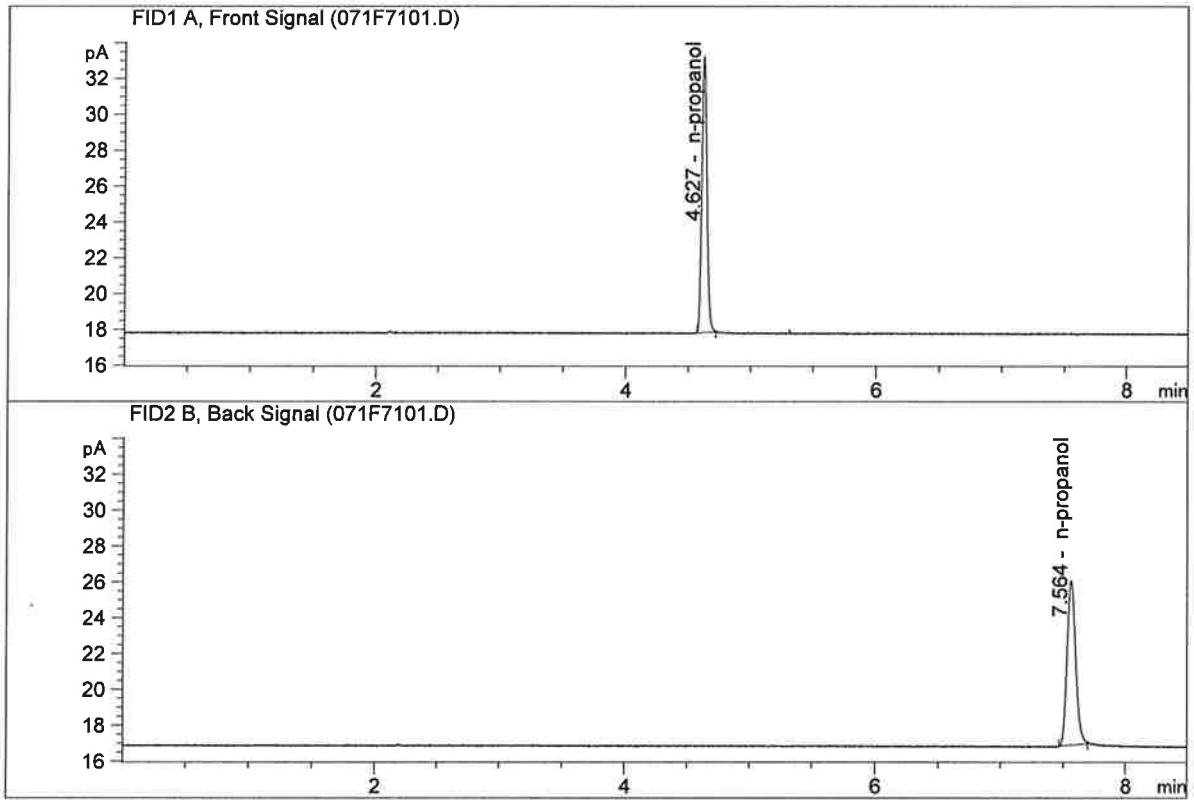


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.39895	0.2025	g/100cc
2.	Ethanol	Column 2:	18.72552	0.2027	g/100cc
3.	n-Propanol	Column 1:	45.96360	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.91796	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : Jan 3, 2018
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:	43.75388	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.74879	1.0000	g/100cc

JG

Sample Summary

Sequence table: C:\Chem32\1\Data\01-02-18_SAMPLES\01-02-18_SAMPLES 2018-01-02 15-59-12\01-02-18_SAMPLES.S
Data directory path: C:\Chem32\1\Data\01-02-18_SAMPLES\01-02-18_SAMPLES 2018-01-02 15-59-12\
Logbook: C:\Chem32\1\Data\01-02-18_SAMPLES\01-02-18_SAMPLES 2018-01-02 15-59-12\01-02-18_SAMPLES.LOG
Sequence start: 1/2/2018 4:14:03 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-02-18_SAMPLES\01-02-18_SAMPLES 2018-01-02 15-59-12\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 FN092314	-	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 FN10281510-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN10281510-	-	1.0000	006F0601.D		4
7	7	1	M2017-5642-1-A	-	1.0000	007F0701.D		6
8	8	1	M2017-5642-1-B	-	1.0000	008F0801.D		6
9	9	1	M2017-5664-2-A	-	1.0000	009F0901.D		6
10	10	1	M2017-5664-2-B	-	1.0000	010F1001.D		6
11	11	1	M2017-5681-1-A	-	1.0000	011F1101.D		6
12	12	1	M2017-5681-1-B	-	1.0000	012F1201.D		6
13	13	1	M2017-5684-1-A	-	1.0000	013F1301.D		2
14	14	1	M2017-5684-1-B	-	1.0000	014F1401.D		2
15	15	1	M2017-5686-1-A	-	1.0000	015F1501.D		6
16	16	1	M2017-5686-1-B	-	1.0000	016F1601.D		6
17	17	1	M2017-5688-1-A	-	1.0000	017F1701.D		6
18	18	1	M2017-5688-1-B	-	1.0000	018F1801.D		6
19	19	1	M2017-5689-1-A	-	1.0000	019F1901.D		6
20	20	1	M2017-5689-1-B	-	1.0000	020F2001.D		6
21	21	1	M2017-5690-1-A	-	1.0000	021F2101.D		6
22	22	1	M2017-5690-1-B	-	1.0000	022F2201.D		6
23	23	1	M2017-5691-1-A	-	1.0000	023F2301.D		2
24	24	1	M2017-5691-1-B	-	1.0000	024F2401.D		2
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	M2017-5715-1-A	-	1.0000	027F2701.D		6
28	28	1	M2017-5715-1-B	-	1.0000	028F2801.D		6
29	29	1	M2017-5718-1-A	-	1.0000	029F2901.D		6
30	30	1	M2017-5718-1-B	-	1.0000	030F3001.D		6
31	31	1	M2017-5750-1-A	-	1.0000	031F3101.D		6
32	32	1	M2017-5750-1-B	-	1.0000	032F3201.D		6
33	33	1	M2017-5751-1-A	-	1.0000	033F3301.D		6
34	34	1	M2017-5751-1-B	-	1.0000	034F3401.D		6
35	35	1	M2017-5752-1-A	-	1.0000	035F3501.D		6
36	36	1	M2017-5752-1-B	-	1.0000	036F3601.D		6
37	37	1	M2017-5753-1-A	-	1.0000	037F3701.D		6
38	38	1	M2017-5753-1-B	-	1.0000	038F3801.D		6
39	39	1	M2017-5765-1-A	-	1.0000	039F3901.D		6
40	40	1	M2017-5765-1-B	-	1.0000	040F4001.D		6
41	41	1	M2017-5766-1-A	-	1.0000	041F4101.D		6
42	42	1	M2017-5766-1-B	-	1.0000	042F4201.D		6
43	43	1	M2017-5775-1-A	-	1.0000	043F4301.D		6

JC

Sequence File C:\Chem32\...8_SAMPLES\01-02-18_SAMPLES 2018-01-02 15-59-12\01-02-18_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2017-5775-1-B	-	1.0000	044F4401.D	6
45	45	1	M2017-5778-1-A	-	1.0000	045F4501.D	6
46	46	1	M2017-5778-1-B	-	1.0000	046F4601.D	6
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	M2017-5779-1-A	-	1.0000	049F4901.D	4
50	50	1	M2017-5779-1-B	-	1.0000	050F5001.D	4
51	51	1	M2017-5780-1-A	-	1.0000	051F5101.D	6
52	52	1	M2017-5780-1-B	-	1.0000	052F5201.D	6
53	53	1	M2017-5797-1-A	-	1.0000	053F5301.D	2
54	54	1	M2017-5797-1-B	-	1.0000	054F5401.D	2
55	55	1	M2017-5816-1-A	-	1.0000	055F5501.D	6
56	56	1	M2017-5816-1-B	-	1.0000	056F5601.D	6
57	57	1	M2017-5817-1-A	-	1.0000	057F5701.D	6
58	58	1	M2017-5817-1-B	-	1.0000	058F5801.D	6
59	59	1	M2017-5818-1-A	-	1.0000	059F5901.D	2
60	60	1	M2017-5818-1-B	-	1.0000	060F6001.D	2
61	61	1	M2017-5819-1-A	-	1.0000	061F6101.D	6
62	62	1	M2017-5819-1-B	-	1.0000	062F6201.D	6
63	63	1	P2017-2932-2-A	-	1.0000	063F6301.D	6
64	64	1	P2017-2932-2-B	-	1.0000	064F6401.D	6
65	65	1	P2017-2970-2-A	-	1.0000	065F6501.D	2
66	66	1	P2017-2970-2-B	-	1.0000	066F6601.D	2
67	67	1	P2017-2878-2-A	-	1.0000	067F6701.D	6
68	68	1	P2017-2878-2-B	-	1.0000	068F6801.D	6
69	69	1	QC2-2-A	-	1.0000	069F6901.D	4
70	70	1	QC2-2-B	-	1.0000	070F7001.D	4
71	71	1	INTERNAL STD BLK	-	1.0000	071F7101.D	2

Method file name: C:\Chem32\1\Data\01-02-18_SAMPLES\01-02-18_SAMPLES 2018-01-02 15-59-12\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
72	72	1	EMPTY	-	1.0000	072F7201.D	0

JG