Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96BC1382/MD94AM10010

Volatiles Quality Assurance Controls **Run Date(s): 05/03/2017-05/04/2017**

Calibration Date: 5/3/2017

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jul-18	1407031	0.0780	0.0702 - 0.0858	0.0814 g/100cc
					0.0803 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818 - 0.2222	0.2092 g/100cc
					0.2082 g/100cc
Multi-Component Mixture		**Exp: Oct 2019**	**Lot #**	FN09231404	OK
Curve Fit:			**Column 1**	1.00000 **Column 2**	0.99994

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	0.0501	0.0522	0.0021	0.0511
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Jun-20	FN06181501	0.100	0.090 - 0.110	0.1000	0.1000	0	0.1
0.200	Oct-20	FN07201502	0.200	0.180 - 0.220	0.2002	0.1979	0.0023	0.199
0.300	Feb-21	FN02121601	0.300	0.270 - 0.330	0.2994	0.2983	0.0011	0.2988
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5003	0.5017	0.0014	0.501

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Nov-20	FN10281510	0.08000	0.076 - 0.084	0.082 g/100cc

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

VG

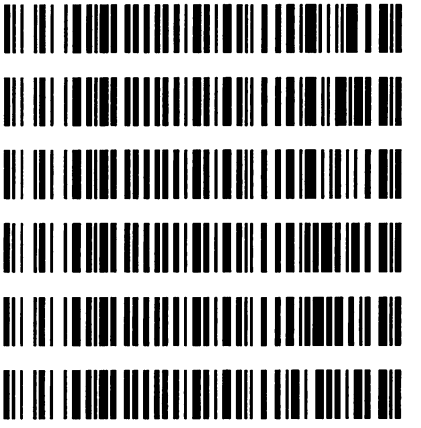
Worklist: 1711

LAB CASE	ITEM	TASK ID	DESCRIPTION
M2016-2678	3	83076	Alcohol Analysis
M2017-1668	1	82045	Alcohol Analysis
M2017-1731	2	83207	Alcohol Analysis
M2017-1732	1	82338	Alcohol Analysis
M2017-1754	1	82629	Alcohol Analysis
M2017-1756	1	82634	Alcohol Analysis
M2017-1787	1	82726	Alcohol Analysis
M2017-1792	1	82897	Alcohol Analysis
M2017-1793	1	83820	Alcohol Analysis
M2017-1793	2	83478	Alcohol Analysis
M2017-1796	1	82937	Alcohol Analysis
M2017-1798	1	82940	Alcohol Analysis
M2017-1799	1	82956	Alcohol Analysis
M2017-1800	1	82960	Alcohol Analysis
M2017-1827	1	83092	Alcohol Analysis
M2017-1828	1	83099	Alcohol Analysis
M2017-1838	1	83112	Alcohol Analysis
M2017-1839	1	83113	Alcohol Analysis
M2017-1846	1	83218	Alcohol Analysis
M2017-1885	1	83310	Alcohol Analysis
M2017-1887	1	83324	Alcohol Analysis
M2017-1888	1	83328	Alcohol Analysis
M2017-1892	1	83819	Alcohol Analysis

JG

Worklist: 1711

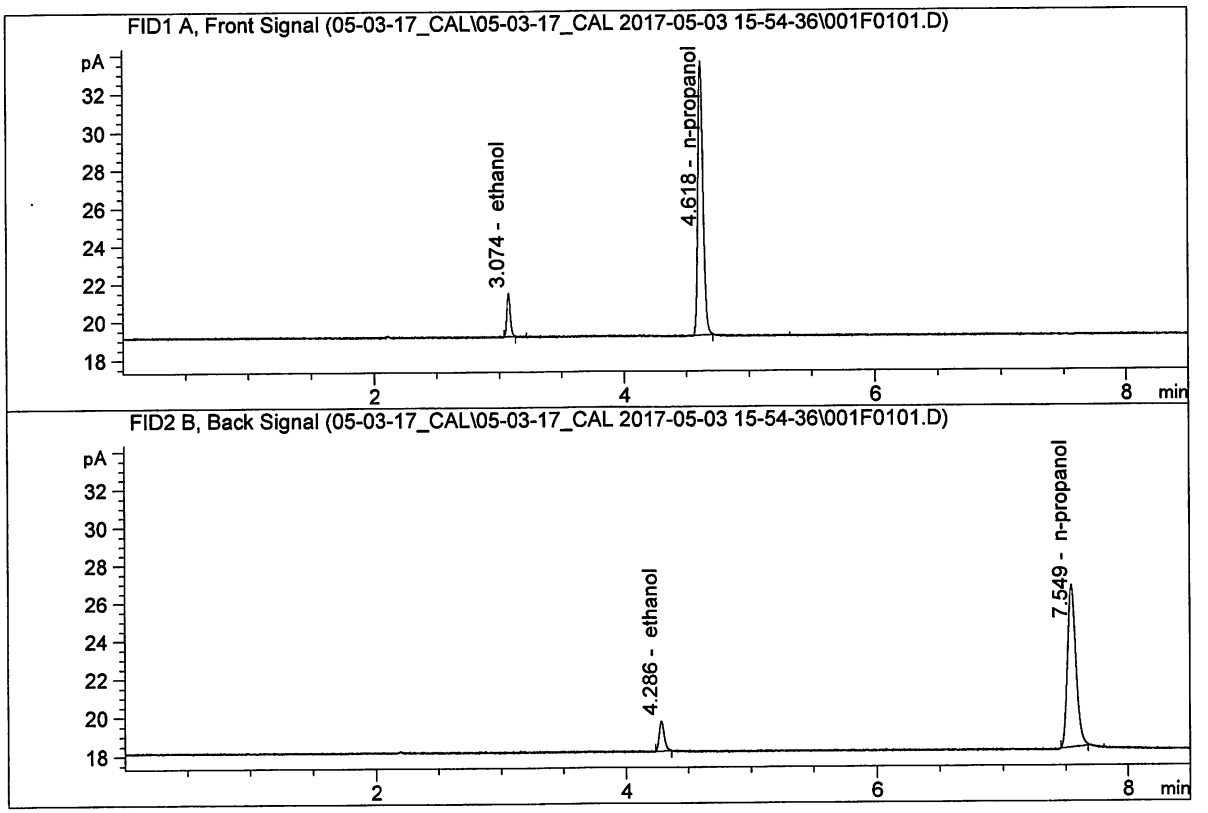
LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2017-1892	2	83479	Alcohol Analysis
M2017-1893	1	83348	Alcohol Analysis
M2017-1894	1	83352	Alcohol Analysis
M2017-1895	1	83356	Alcohol Analysis
M2017-1896	1	83360	Alcohol Analysis
M2017-1901	1	83394	Alcohol Analysis



JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN06231406
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.31991	0.0501	g/100cc
2.	Ethanol	Column 2:	4.30771	0.0522	g/100cc
3.	n-Propanol	Column 1:	41.06409	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.09549	1.0000	g/100cc

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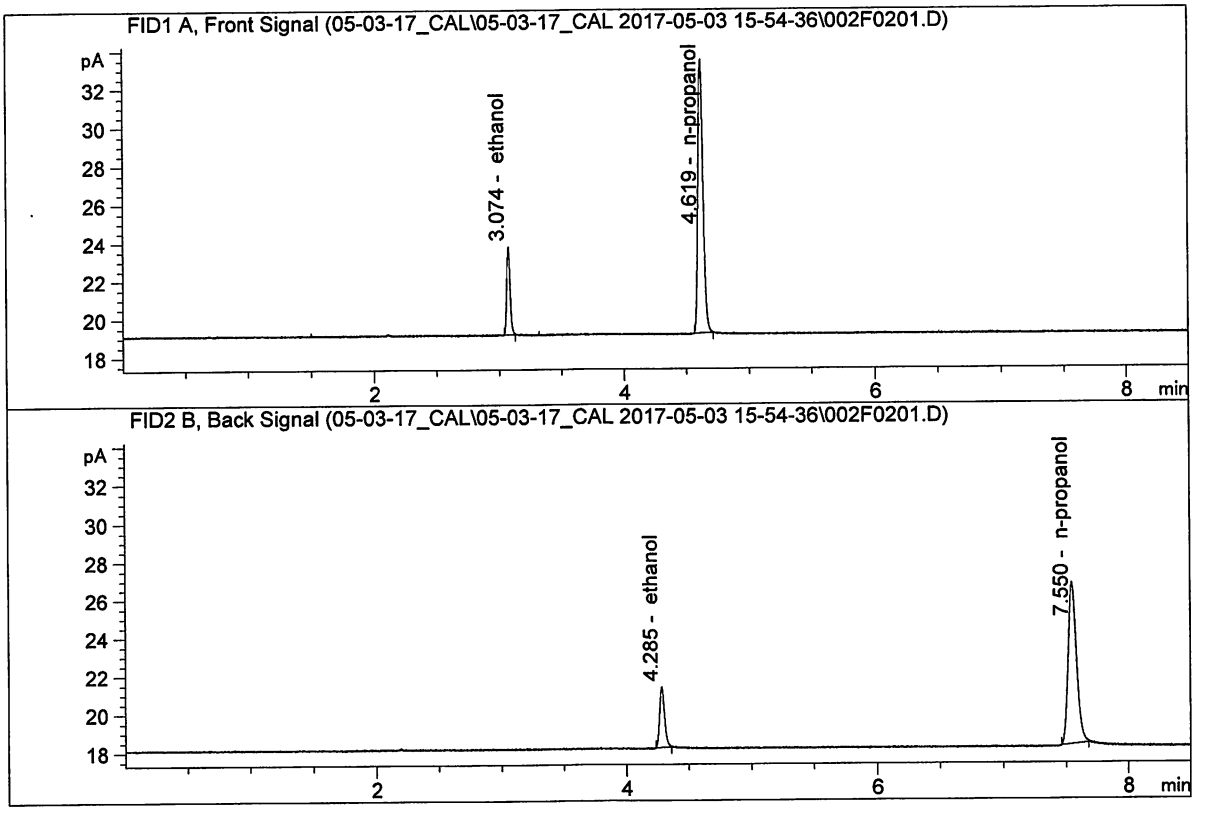
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN06181501
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.62654	0.1000	g/100cc
2.	Ethanol	Column 2:	8.62235	0.1000	g/100cc
3.	n-Propanol	Column 1:	40.75367	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.51496	1.0000	g/100cc

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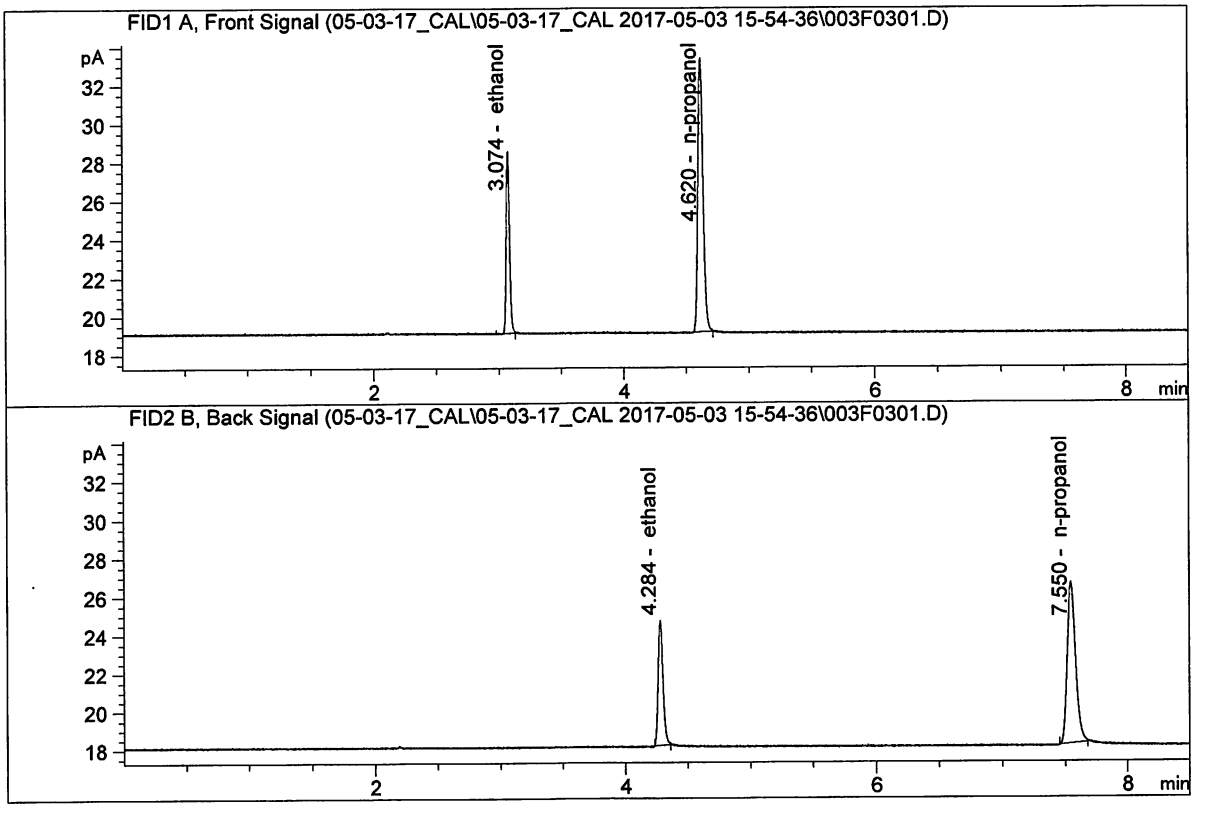
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN07201502
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.34364	0.2002	g/100cc
2.	Ethanol	Column 2:	17.54943	0.1979	g/100cc
3.	n-Propanol	Column 1:	40.71599	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.47738	1.0000	g/100cc

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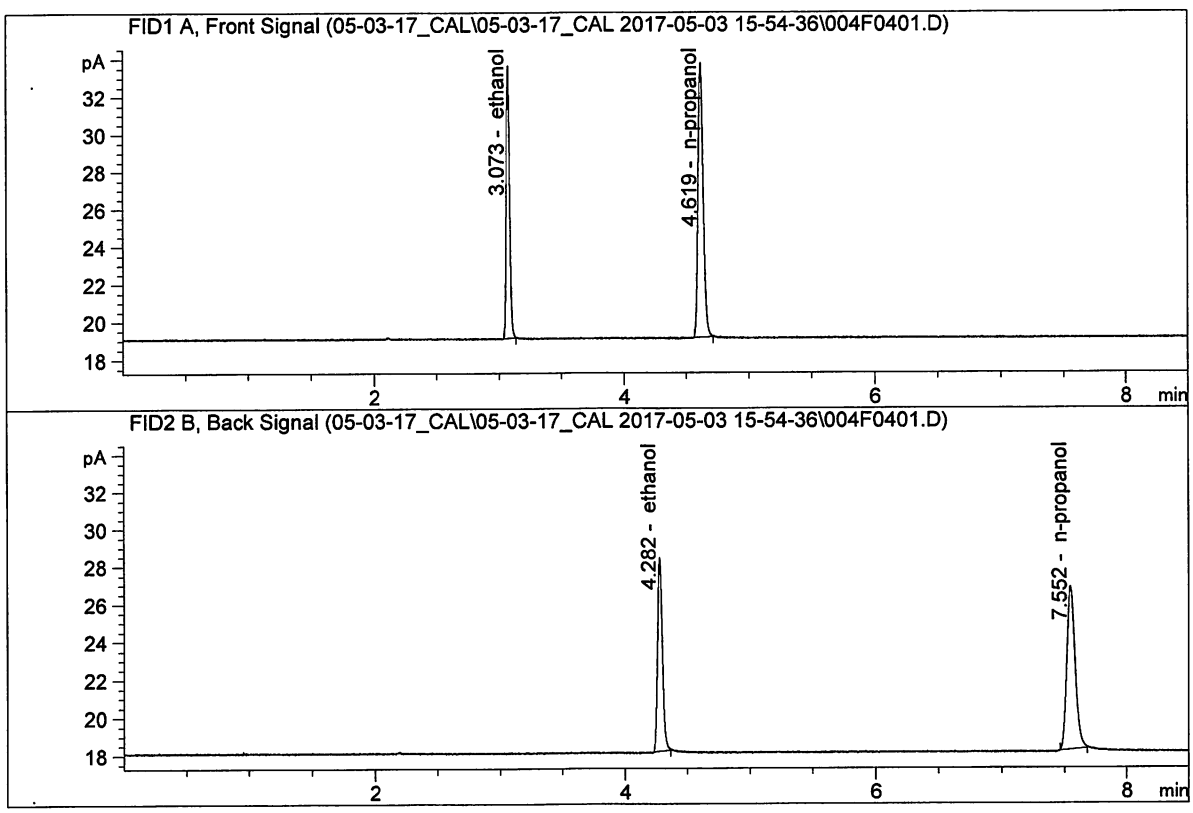
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.62922	0.2994	g/100cc
2.	Ethanol	Column 2:	27.39053	0.2983	g/100cc
3.	n-Propanol	Column 1:	41.75167	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.48848	1.0000	g/100cc

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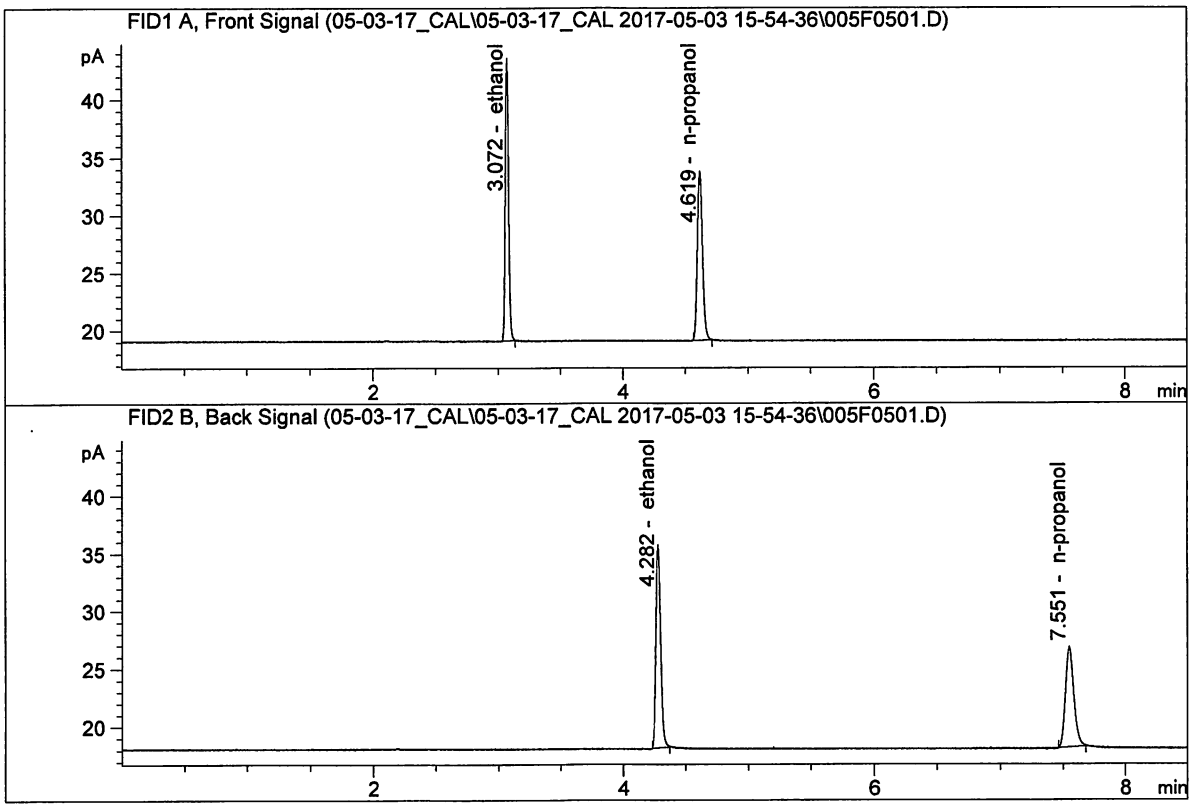
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.68284	0.5003	g/100cc
2.	Ethanol	Column 2:	46.57215	0.5017	g/100cc
3.	n-Propanol	Column 1:	41.87146	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.61554	1.0000	g/100cc

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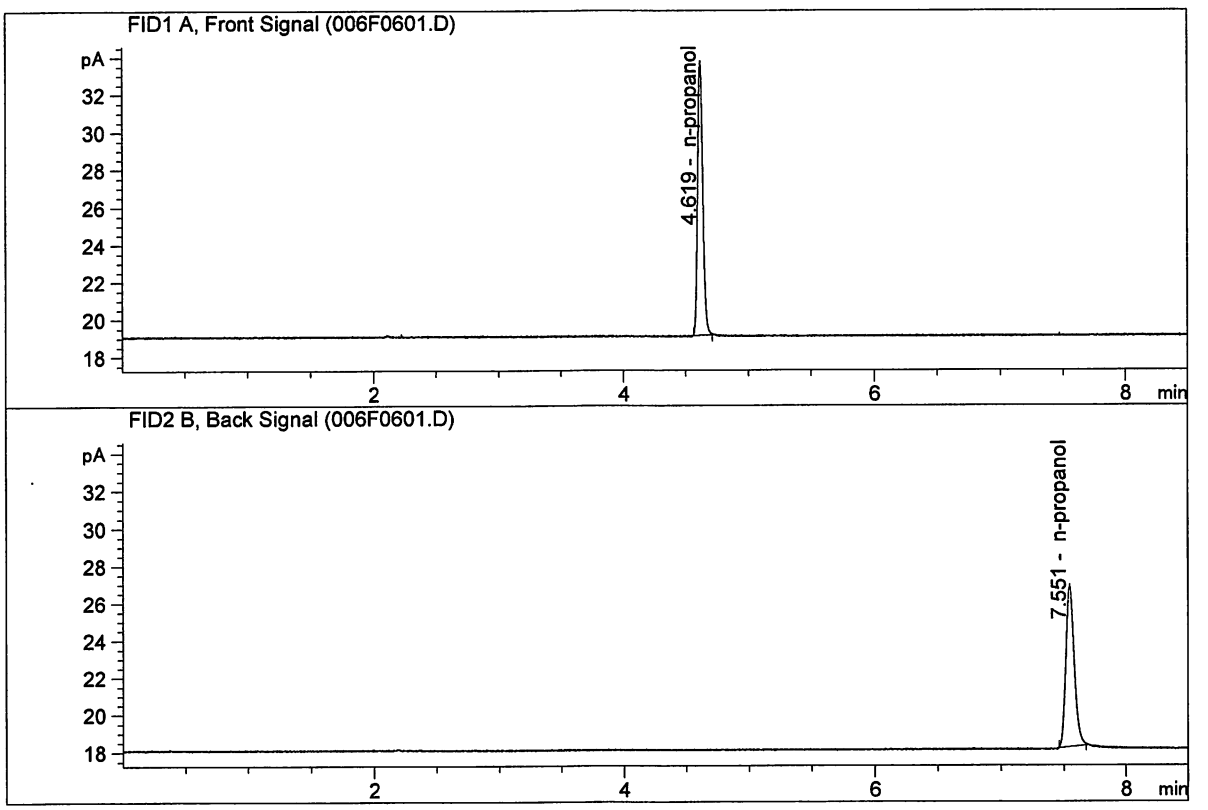
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : May 3, 2017
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:	41.88939	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.67945	1.0000	g/100cc

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Sequence File C:\Chem32\1\Data\05-03-17_CAL\05-03-17_CAL 2017-05-03 15-54-36\05-03-17_CAL.S

Sample Summary

Sequence table: C:\Chem32\1\Data\05-03-17_CAL\05-03-17_CAL 2017-05-03 15-54-36\05-03-17_CAL.S
Data directory path: C:\Chem32\1\Data\05-03-17_CAL\05-03-17_CAL 2017-05-03 15-54-36\
Logbook: C:\Chem32\1\Data\05-03-17_CAL\05-03-17_CAL 2017-05-03 15-54-36\05-03-17_CAL.LOG
Sequence start: 5/3/2017 4:09:13 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\05-03-17_CAL\05-03-17_CAL 2017-05-03 15-54-36\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 FN07201502	-	1.0000	003F0301.D	*	4
4	4	1	0.300 FN02121601	-	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

Method file name: C:\Chem32\1\Data\05-03-17_CAL\05-03-17_CAL 2017-05-03 15-54-36\SHUTDOWN.M

Run #	Location #	Inj	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
7	7	1	EMPTY	-	1.0000	007F0701.D		0

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, May 03, 2017 4:59:46 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

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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
3.072	1	1	5.00000e-2	4.31991	1.15743e-2	No	No	1	ethanol
		2	1.00000e-1	8.62654	1.15921e-2				
		3	2.00000e-1	17.34364	1.15316e-2				
		4	3.00000e-1	26.62922	1.12658e-2				
		5	5.00000e-1	44.68284	1.11900e-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
4.282	2	1	5.00000e-2	4.30771	1.16071e-2	No	No	2	ethanol
		2	1.00000e-1	8.62235	1.15978e-2				
		3	2.00000e-1	17.54943	1.13964e-2				
		4	3.00000e-1	27.39053	1.09527e-2				
		5	5.00000e-1	46.57215	1.07360e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.619	1	1	1.00000	41.06409	2.43522e-2	No	Yes	1	n-propanol
		2	1.00000	40.75367	2.45377e-2				
		3	1.00000	40.71599	2.45604e-2				
		4	1.00000	41.75167	2.39511e-2				
		5	1.00000	41.87146	2.38826e-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
7.553	2	1	1.00000	41.09549	2.43336e-2	No	Yes	2	n-propanol
		2	1.00000	40.51496	2.46822e-2				
		3	1.00000	40.47738	2.47052e-2				
		4	1.00000	41.48848	2.41031e-2				
		5	1.00000	41.61554	2.40295e-2				

Peak Sum Table

No Entries in table

33 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 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 4.619 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
Warning : Curve requires more calibration points. at 7.553 min, signal 2
Warning : Curve requires more calibration points. at 2.586 min, signal 1

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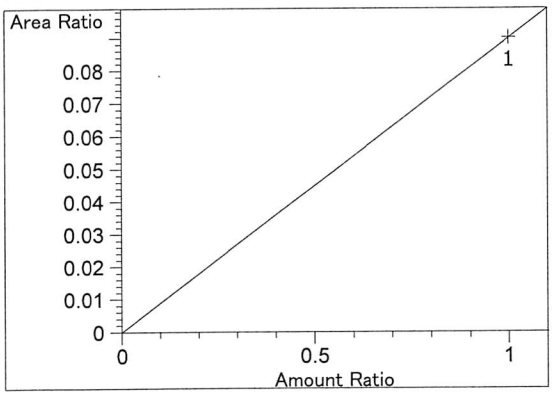
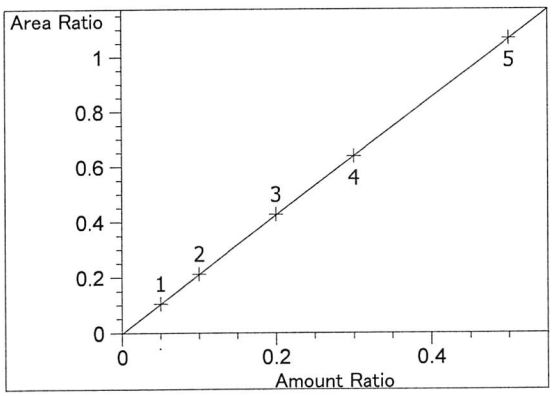
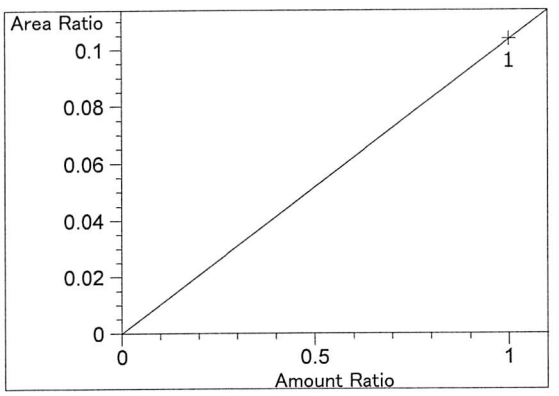
Calibration Curves



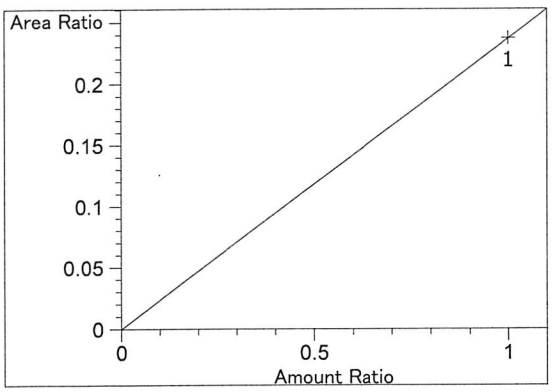
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 9.00226e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



ethanol at exp. RT: 3.072
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00092
Formula: y = mx + b
m: 2.13705
b: -1.96402e-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: 1.03676e-1
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: 2.36960e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

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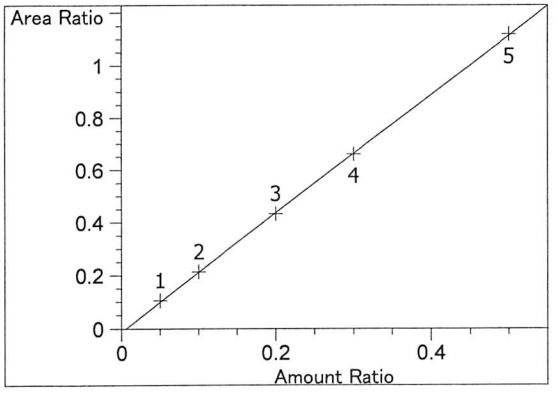
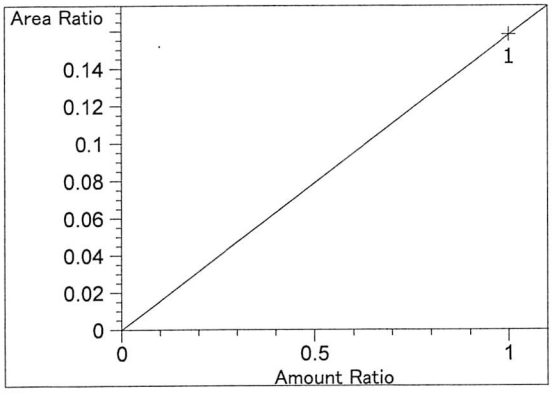
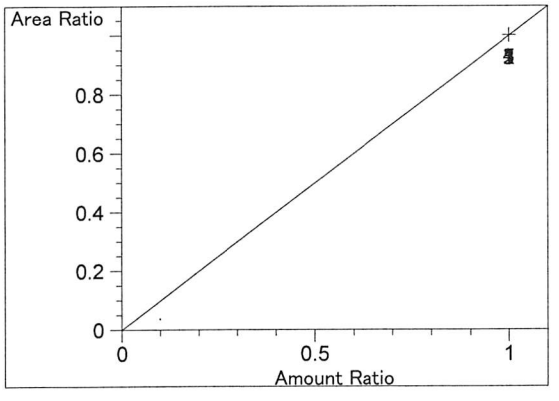


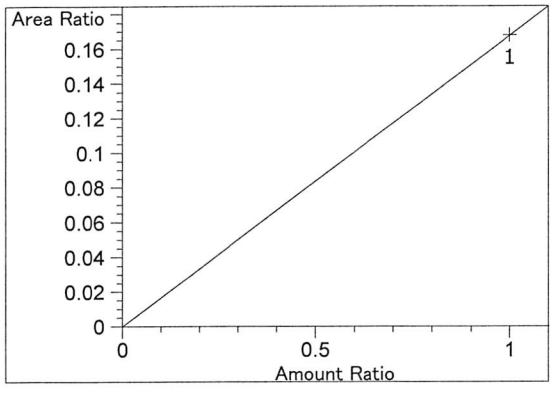
ethanol at exp. RT: 4.282
FID2 B, Back Signal
Correlation: 0.99994
Residual Std. Dev.: 0.00504
Formula: y = mx + b
m: 2.25649
b: -1.28921e-2
x: Amount Ratio
y: Area Ratio



acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.58275e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



n-propanol at exp. RT: 4.619
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: 1.67732e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio

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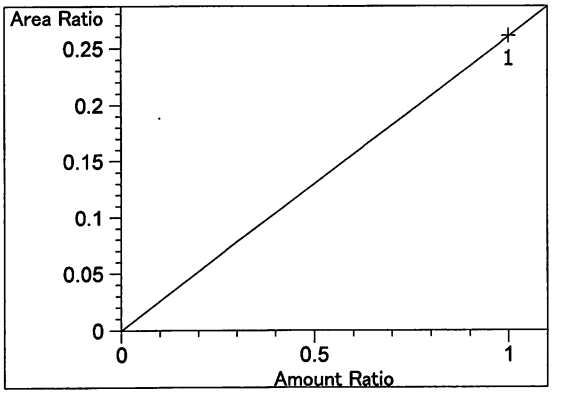
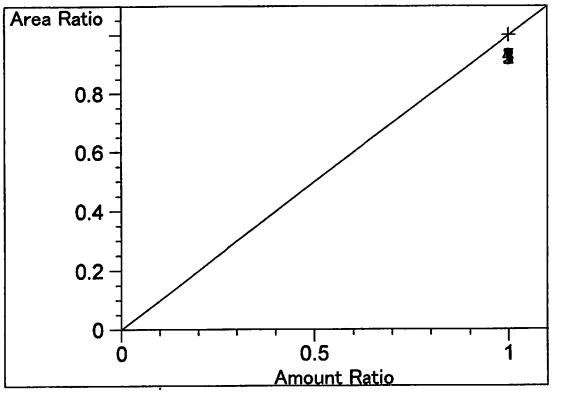


isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 2.60525e-1
b: 0.00000
x: Amount Ratio
y: Area Ratio



n-propanol at exp. RT: 7.553
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

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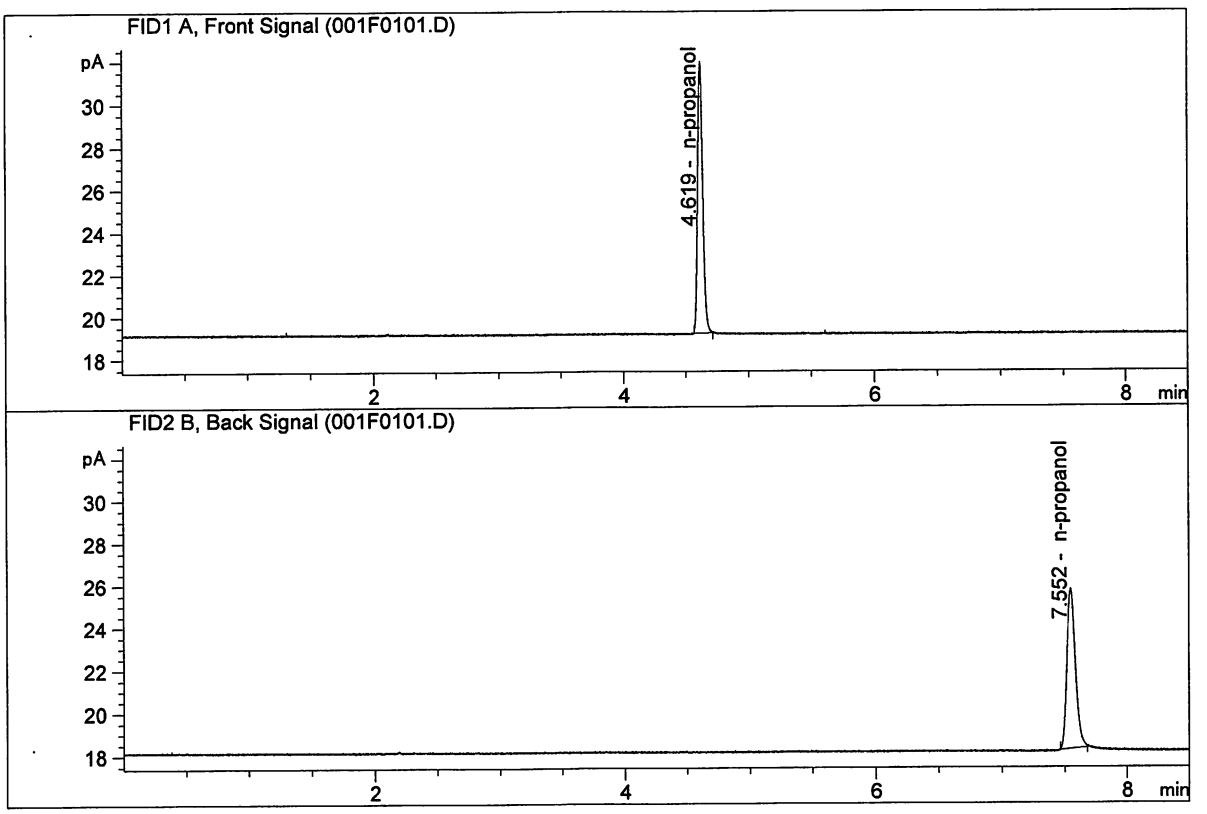
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

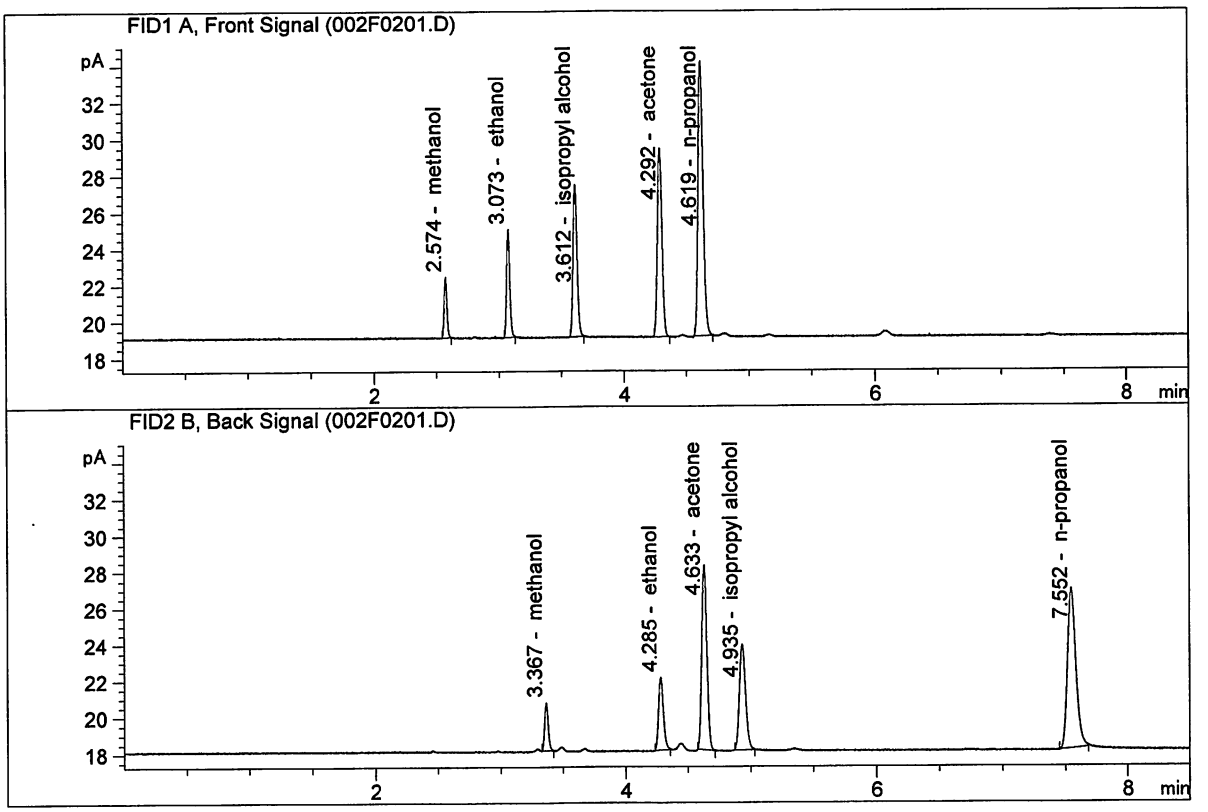


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	36.32706	1.0000	g/100cc
4.	n-Propanol	Column 2:	35.97394	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.56571	0.1177	g/100cc
2.	Ethanol	Column 2:	10.60910	0.1169	g/100cc
3.	n-Propanol	Column 1:	42.33344	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.26885	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 03 May 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0812	0.0822	0.0010	0.0817	0.0814	
(g/100cc)	0.0808	0.0815	0.0007	0.0811		

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
0.081	**0.076**	**0.086**	**0.005**

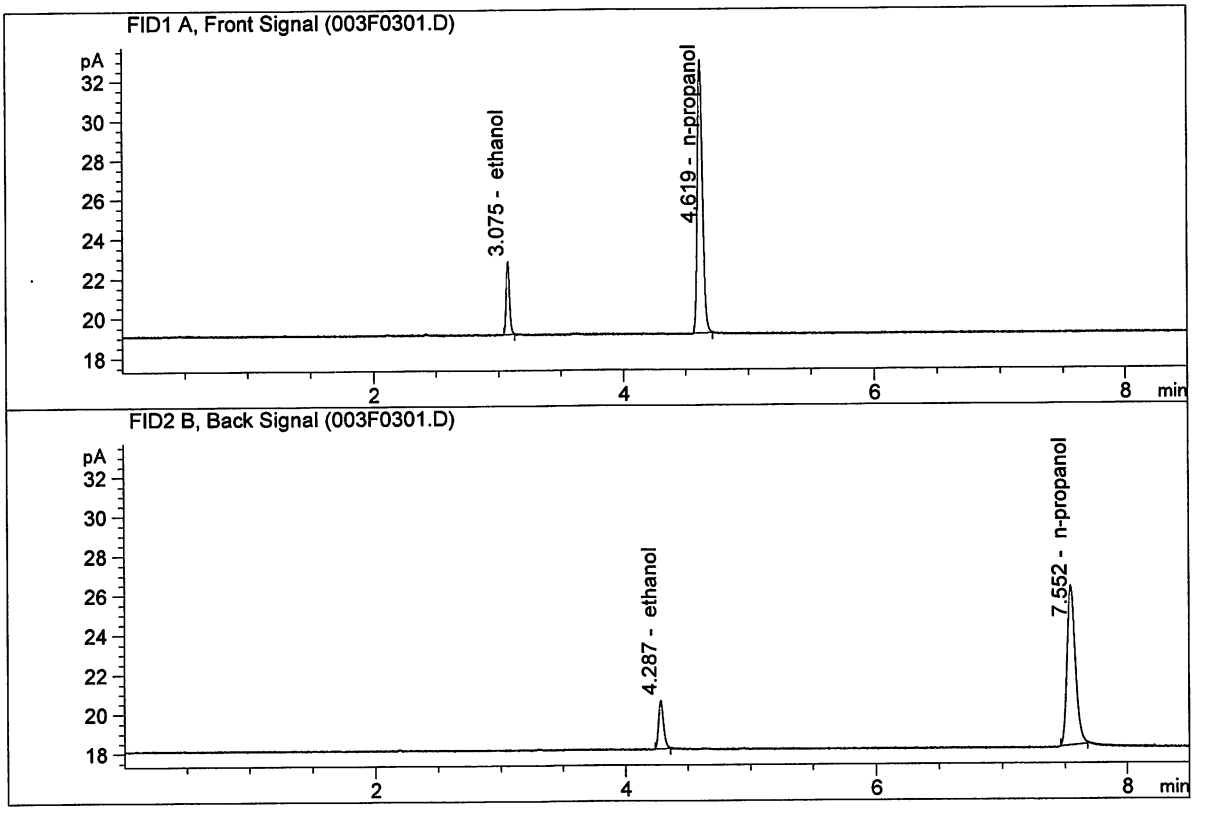
Reported Result

0.081

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

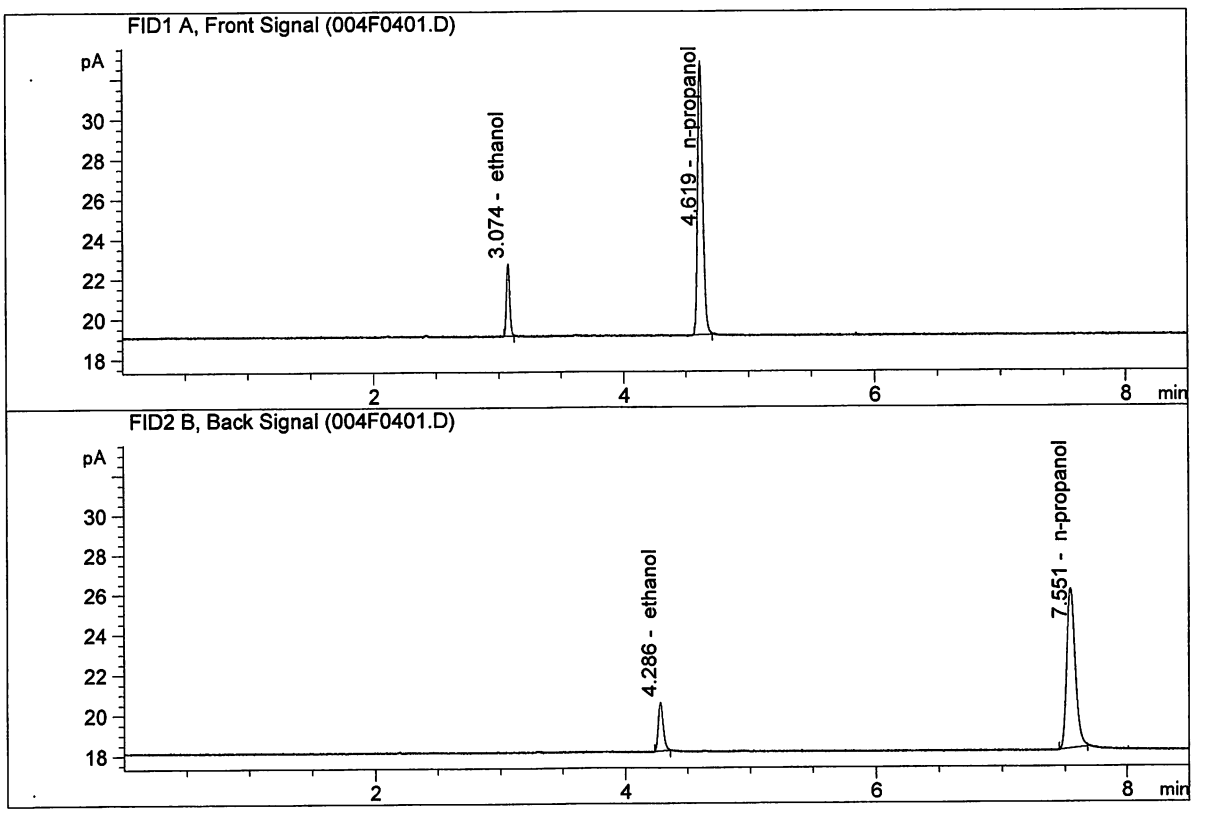
Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.72156	0.0812	g/100cc
2.	Ethanol	Column 2:	6.65860	0.0822	g/100cc
3.	n-Propanol	Column 1:	39.19129	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.58466	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.63128	0.0808	g/100cc
2.	Ethanol	Column 2:	6.58103	0.0815	g/100cc
3.	n-Propanol	Column 1:	38.85937	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.45972	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 04 May 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0795	0.0801	0.0006	0.0798	0.0803	
(g/100cc)	0.0805	0.0813	0.0008	0.0809		

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

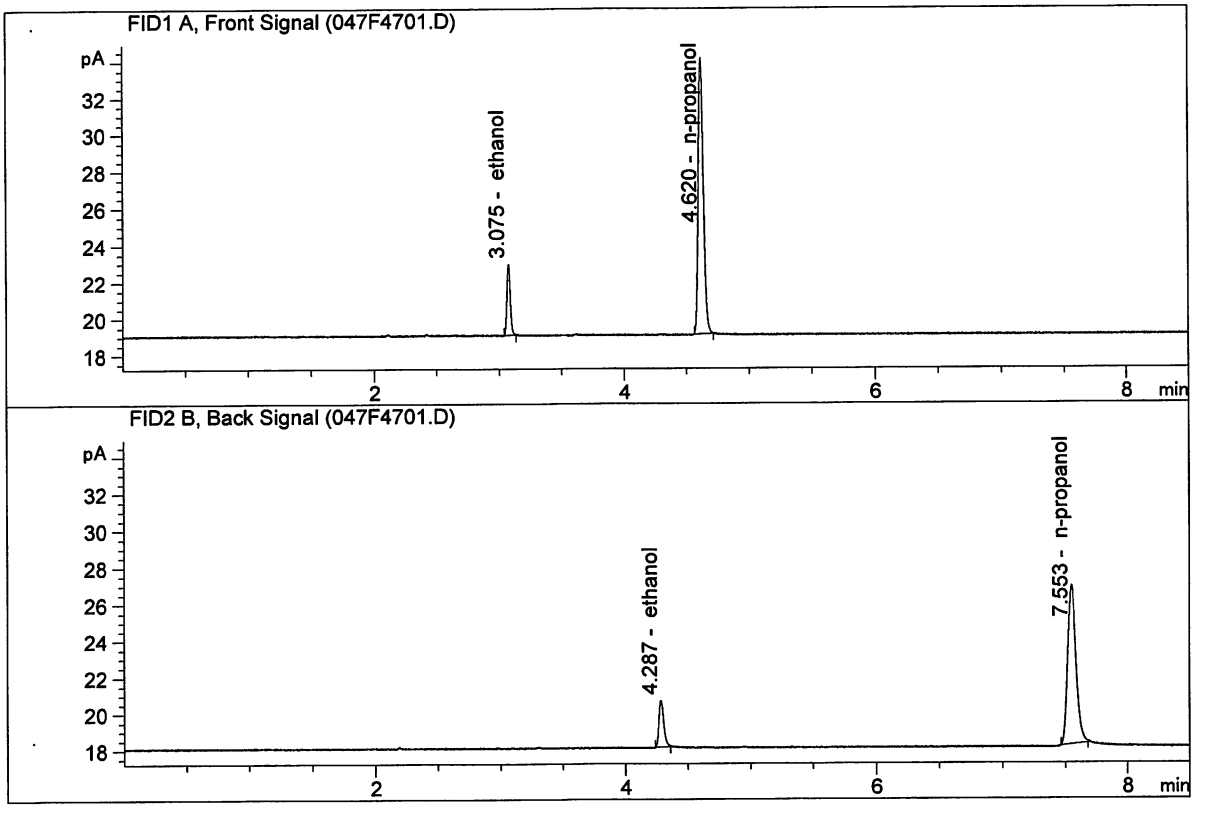
0.080

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

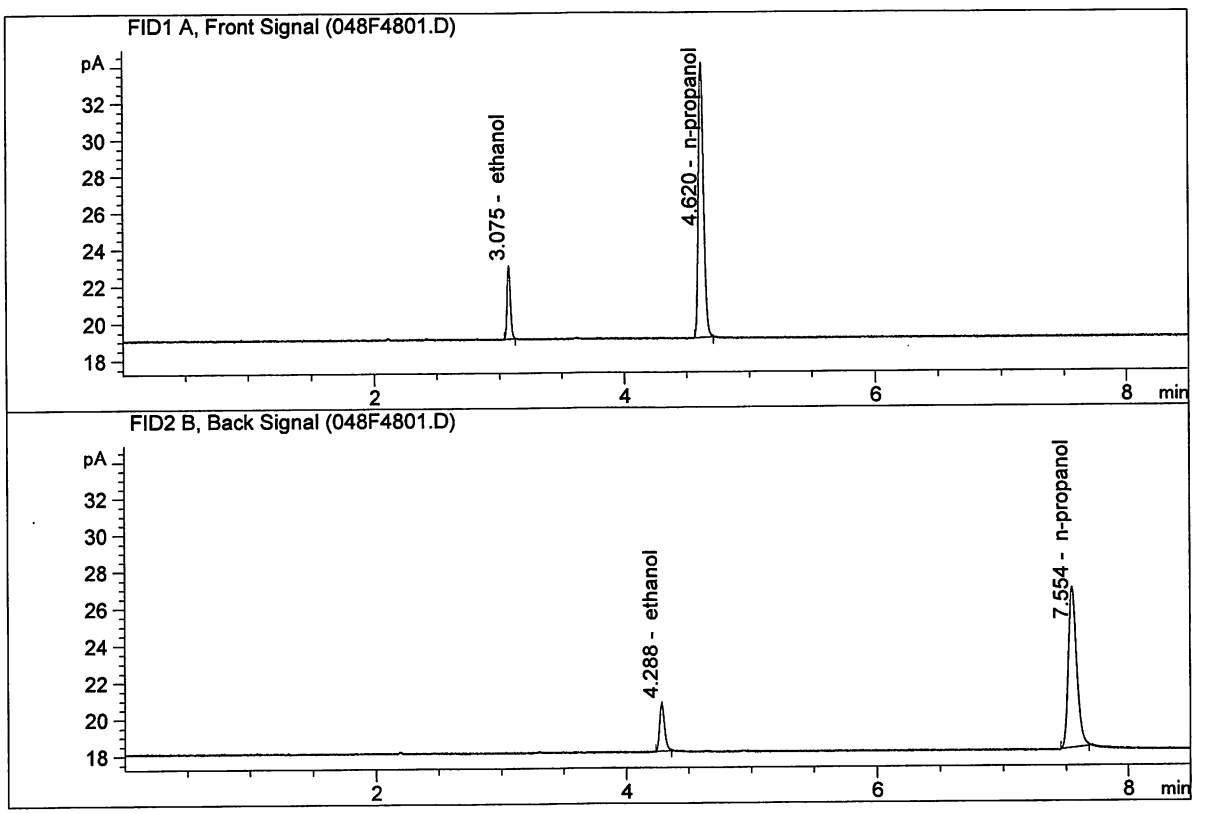


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.19262	0.0795	g/100cc
2.	Ethanol	Column 2:	7.00687	0.0801	g/100cc
3.	n-Propanol	Column 1:	42.83406	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.75613	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.26952	0.0805	g/100cc
2.	Ethanol	Column 2:	7.17603	0.0813	g/100cc
3.	n-Propanol	Column 1:	42.76904	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.05305	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 03 May 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2096	0.2093	0.0003	0.2094	0.2092	
(g/100cc)	0.2084	0.2097	0.0013	0.2090		

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
0.209	**0.198**	**0.220**	**0.011**

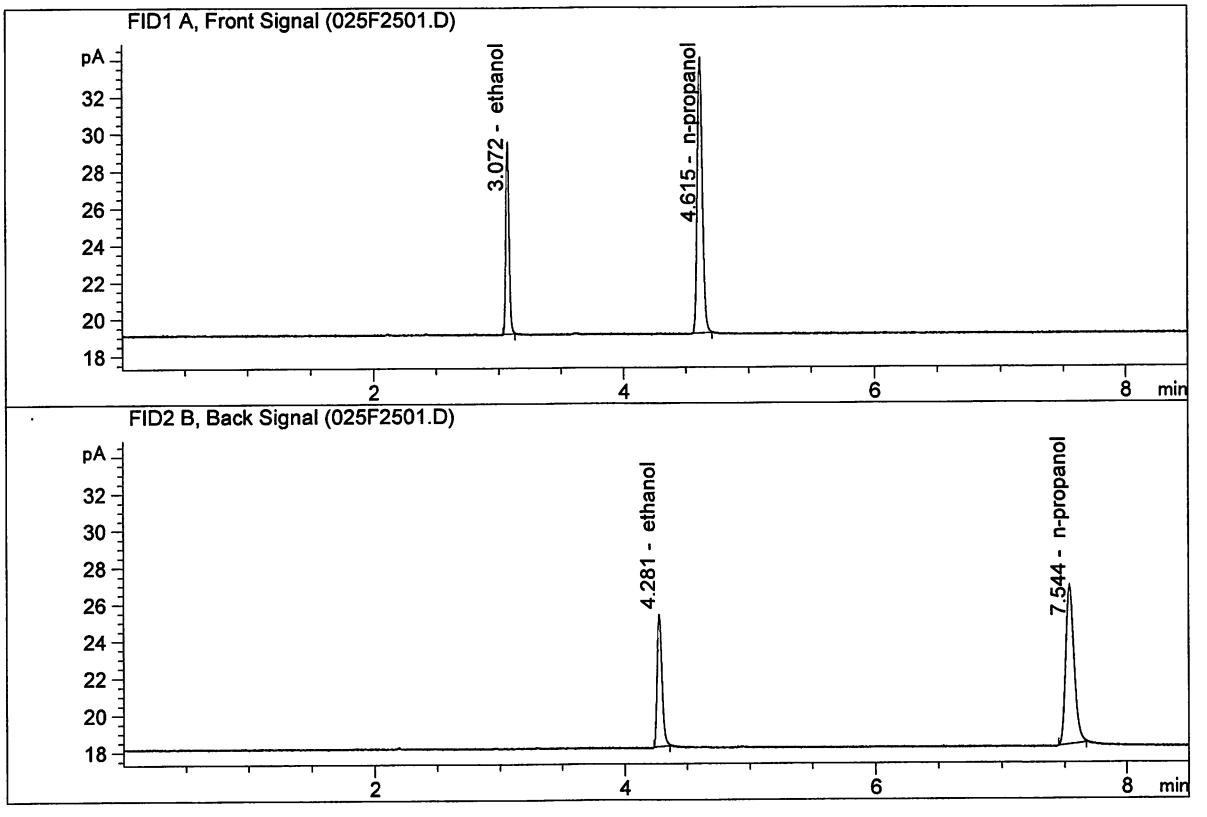
	Reported Result	
	0.209	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

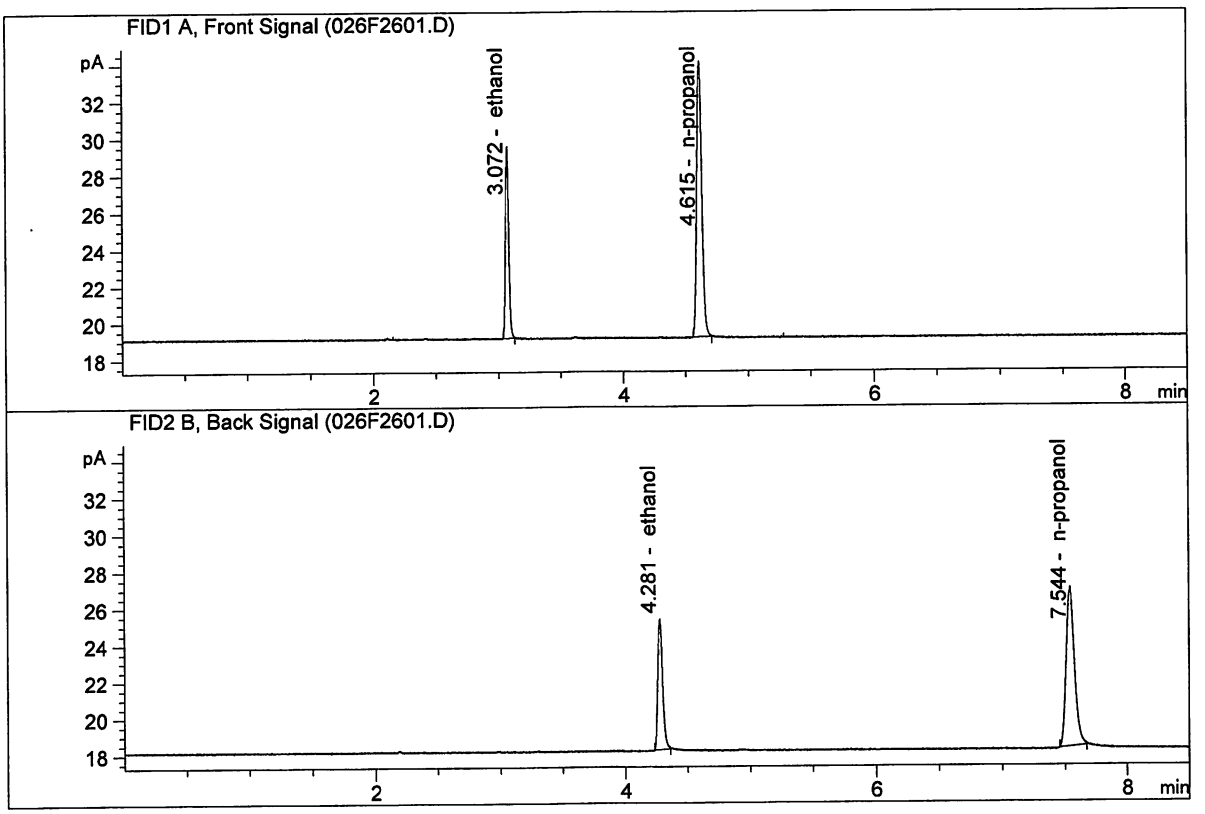
Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.89255	0.2096	g/100cc
2.	Ethanol	Column 2:	19.08134	0.2093	g/100cc
3.	n-Propanol	Column 1:	42.35609	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.53706	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.84615	0.2084	g/100cc
2.	Ethanol	Column 2:	19.09103	0.2097	g/100cc
3.	n-Propanol	Column 1:	42.50375	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.47815	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 04 May 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2076	0.2078	0.0002	0.2077	0.2082	
(g/100cc)	0.2085	0.2090	0.0005	0.2087		

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
0.208	**0.197**	**0.219**	**0.011**

Reported Result

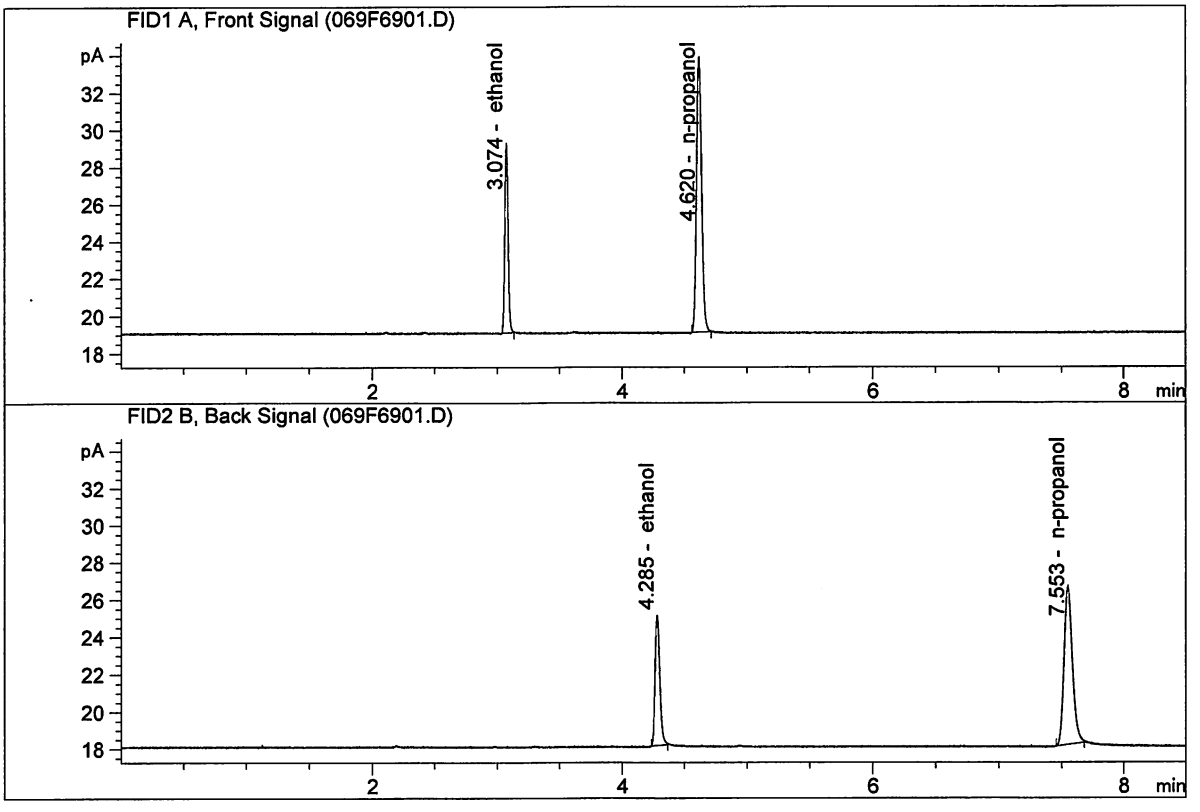
0.208

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

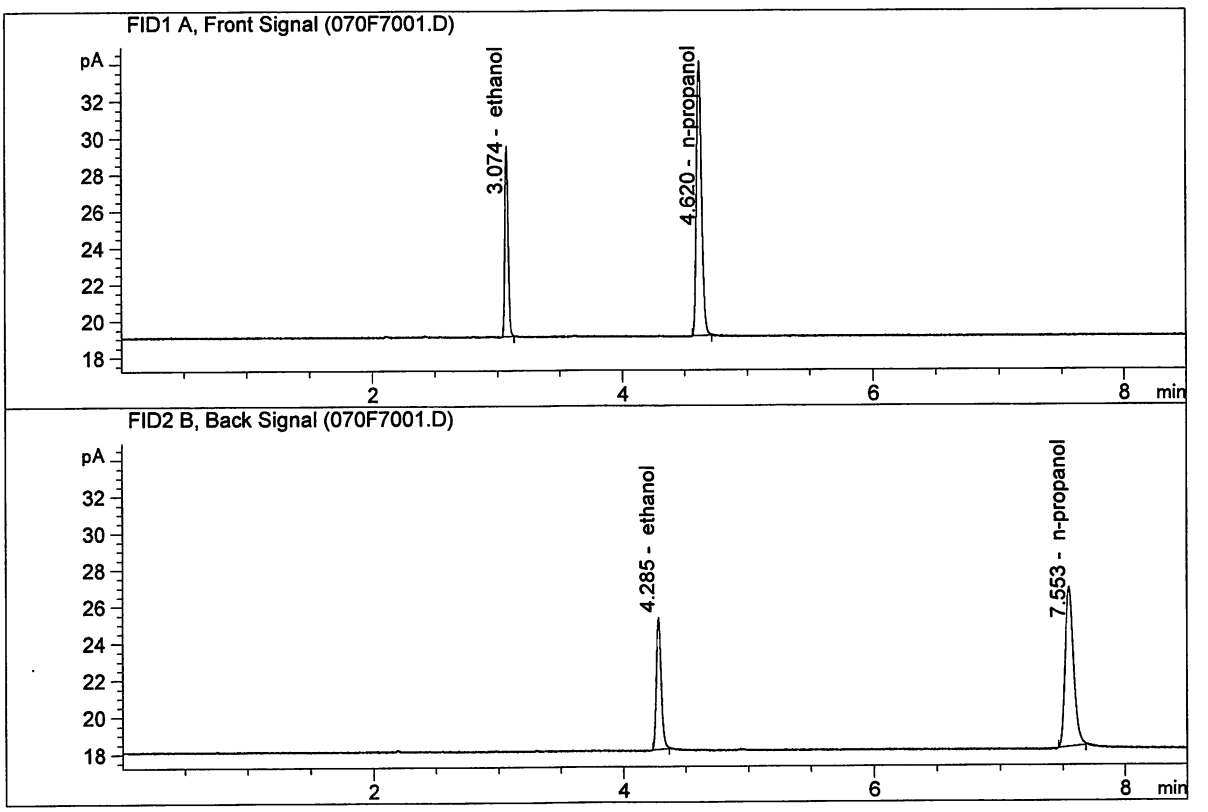


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.55496	0.2076	g/100cc
2.	Ethanol	Column 2:	18.70235	0.2078	g/100cc
3.	n-Propanol	Column 1:	42.00935	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.01760	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.88479	0.2085	g/100cc
2.	Ethanol	Column 2:	19.01802	0.2090	g/100cc
3.	n-Propanol	Column 1:	42.57494	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.46227	1.0000	g/100cc

JG

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN10281510 **Analysis Date(s): 03 May 2017**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0829	0.0838	0.0009	0.0833	0.0828	
(g/100cc)	0.0820	0.0828	0.0008	0.0824		

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
0.082	**0.077**	**0.087**	**0.005**

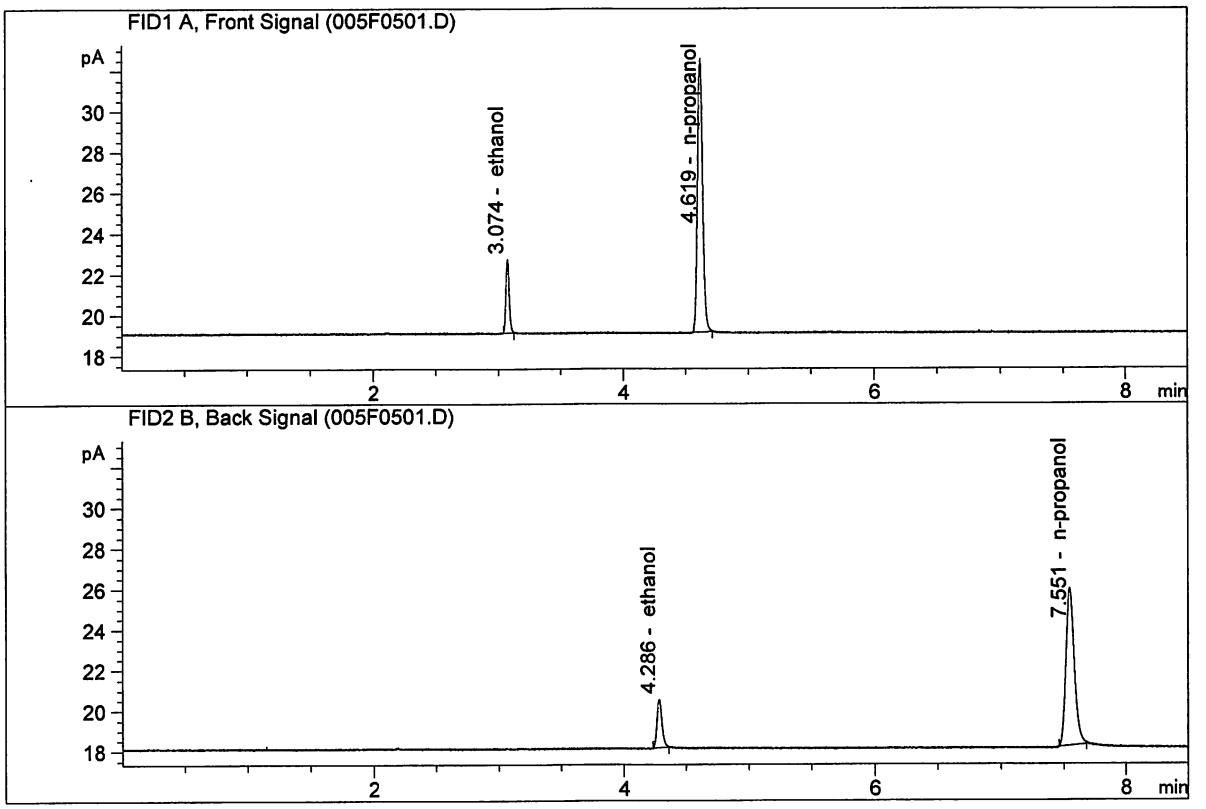
	Reported Result	
	0.082	

Calibration and control data are stored centrally.

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-A
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

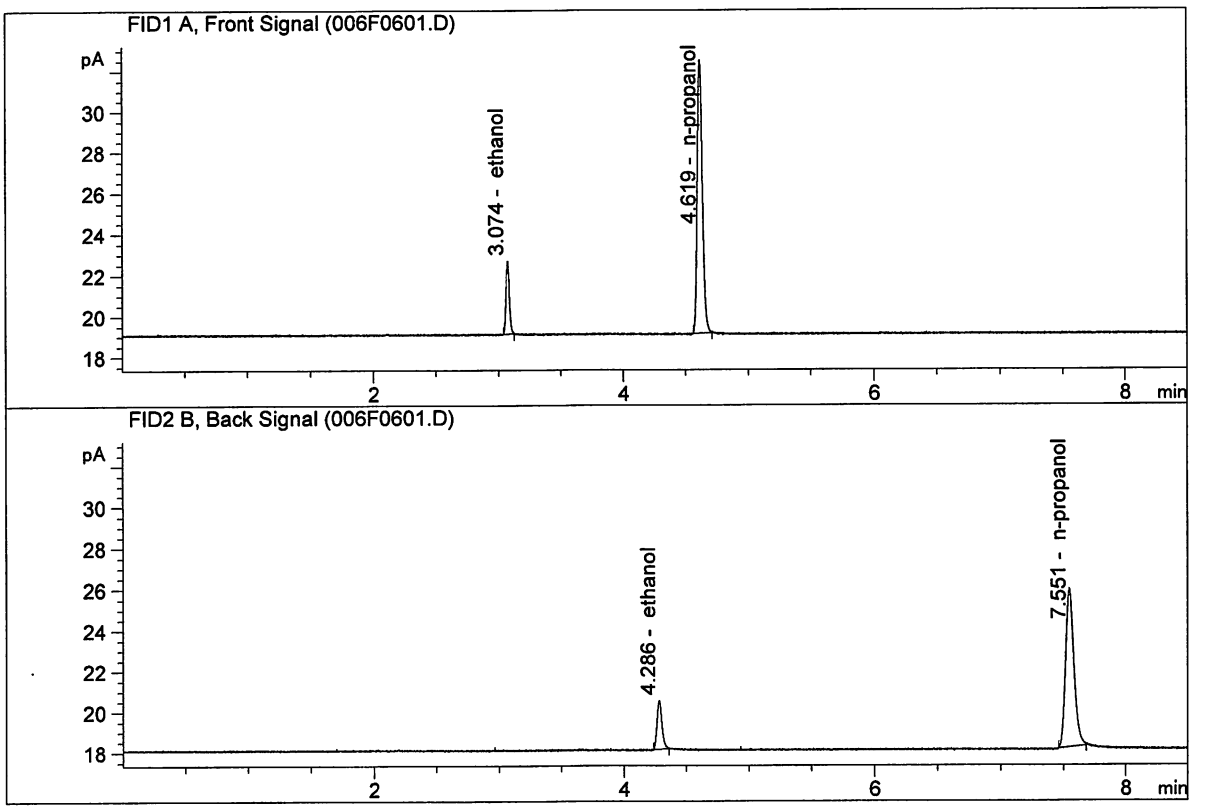


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.70532	0.0829	g/100cc
2.	Ethanol	Column 2:	6.61886	0.0838	g/100cc
3.	n-Propanol	Column 1:	38.25501	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.56382	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN10281510-B
Laboratory : Meridian
Injection Date : May 3, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

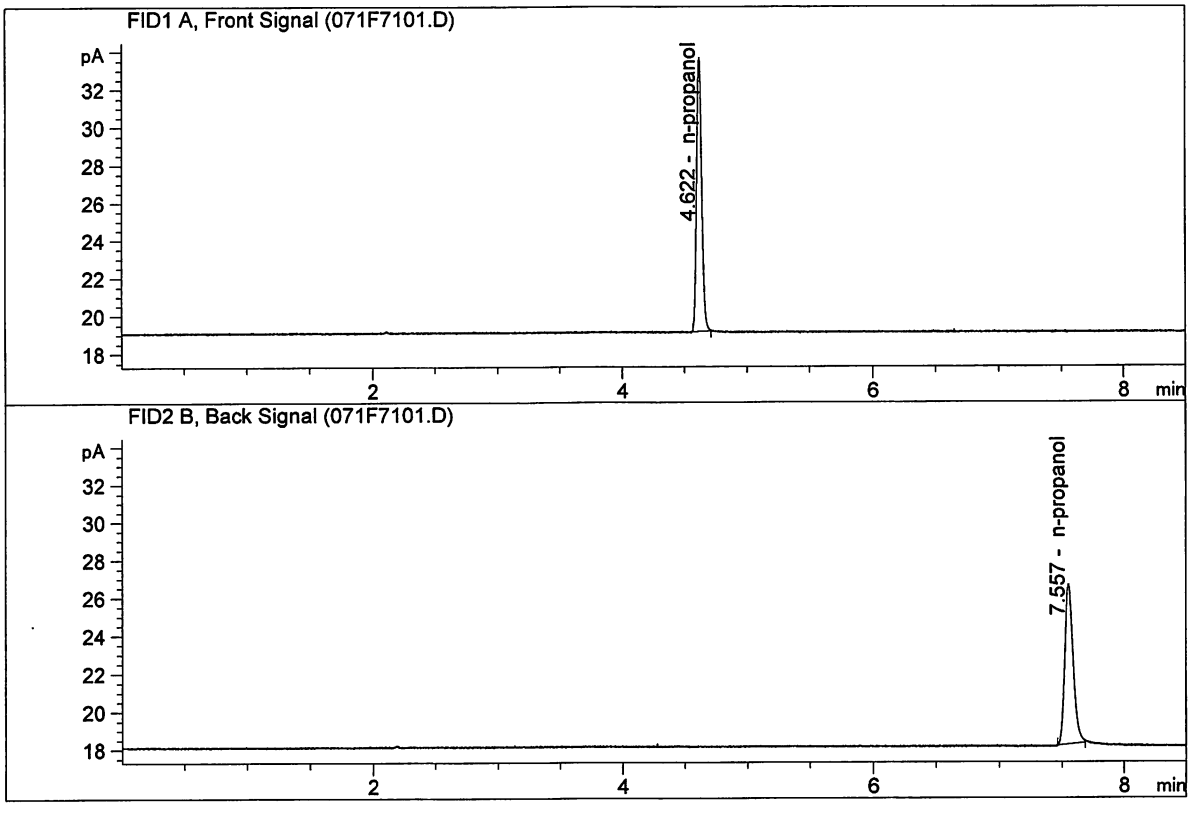


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.58742	0.0820	g/100cc
2.	Ethanol	Column 2:	6.49915	0.0828	g/100cc
3.	n-Propanol	Column 1:	38.02368	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.38601	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

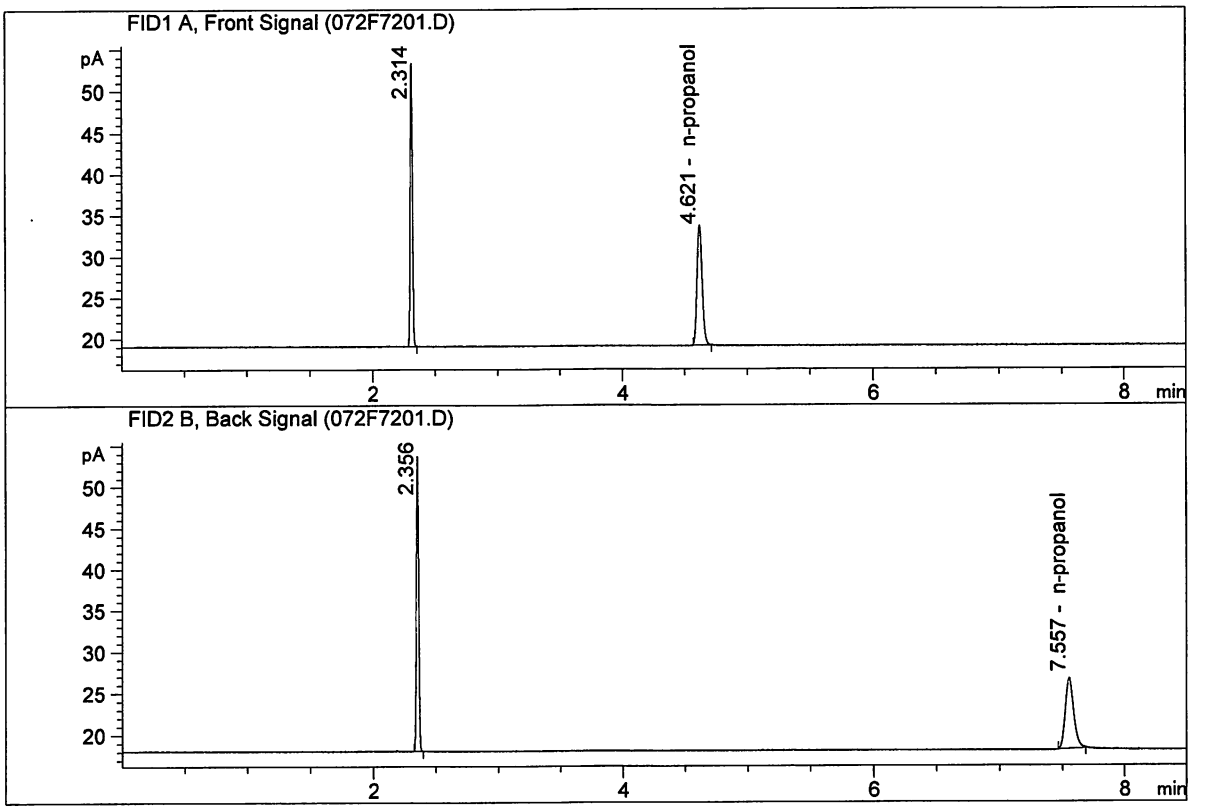


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.33817	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.53769	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE 111914OM
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

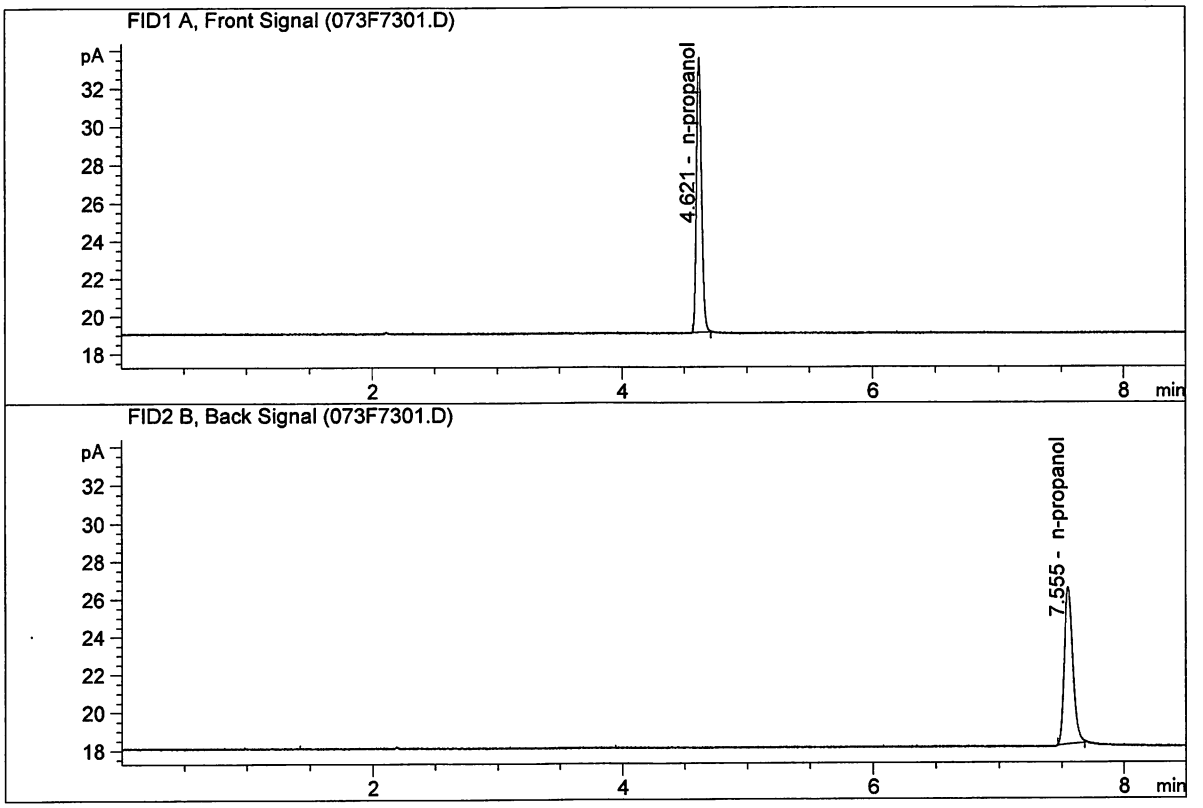


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.58494	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.62056	1.0000	g/100cc

JC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

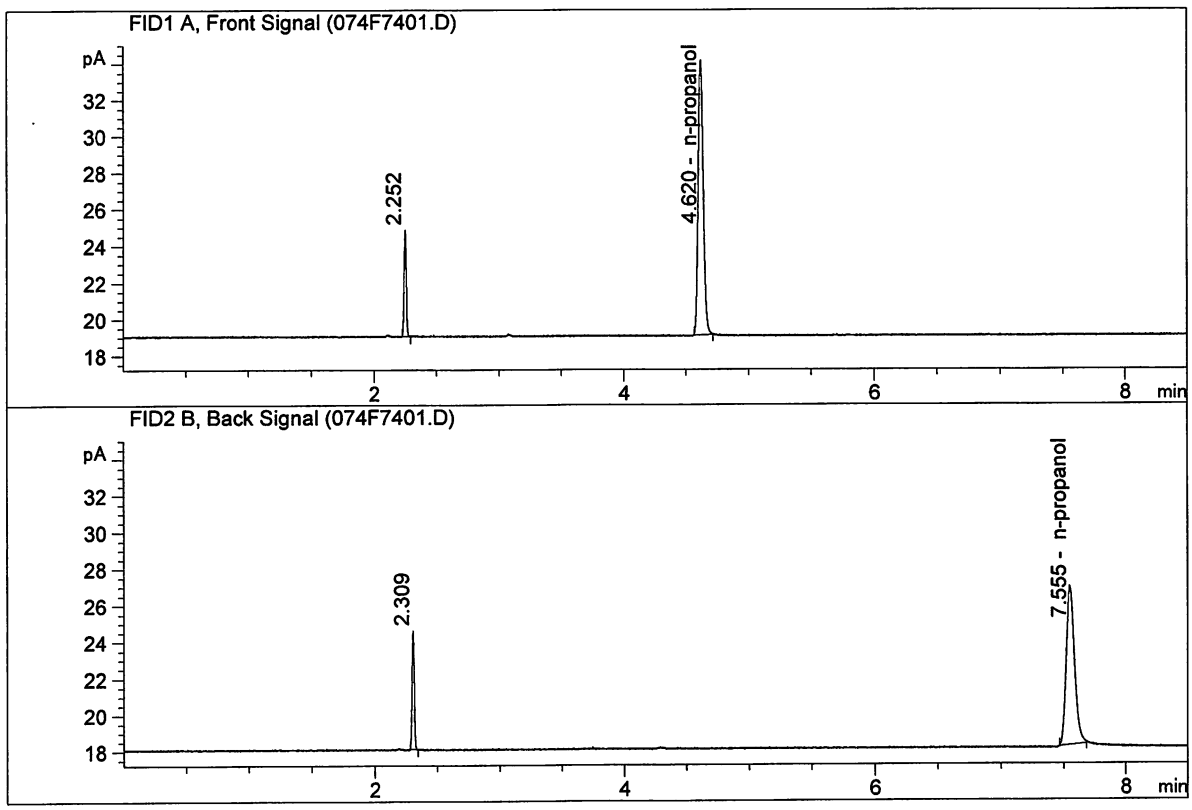


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.03957	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.06483	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : TFE 111914
Laboratory : Meridian
Injection Date : May 4, 2017
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

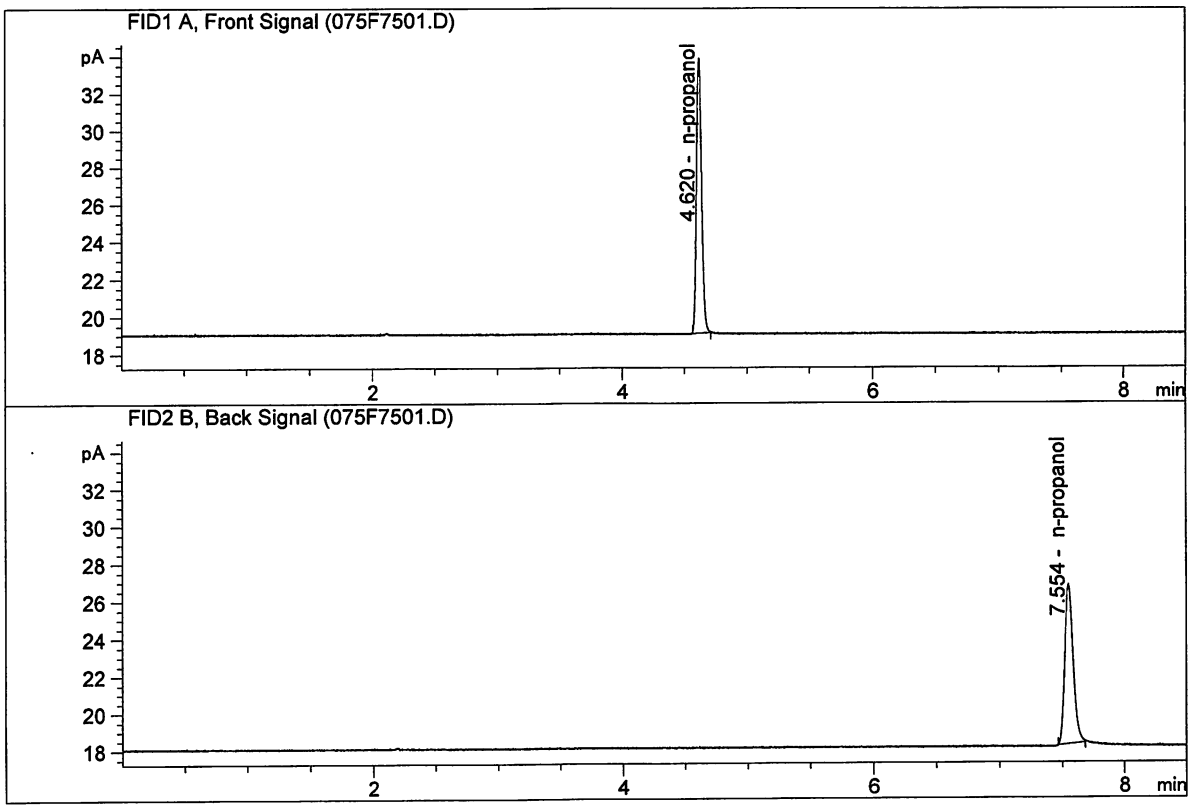


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.78696	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.69067	1.0000	g/100cc

JG

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
Laboratory : Meridian
Injection Date : May 4, 2017
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:	41.97696	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.93848	1.0000	g/100cc

JG

Sample Summary

Sequence table: C:\Chem32\1\Data\05-03-17_SAMPLES\05-03-17_SAMPLES 2017-05-03 17-24-59\05 03-17_SAMPLES.S
Data directory path: C:\Chem32\1\Data\05-03-17_SAMPLES\05-03-17_SAMPLES 2017-05-03 17-24-59\
Logbook: C:\Chem32\1\Data\05-03-17_SAMPLES\05-03-17_SAMPLES 2017-05-03 17-24-59\05 03-17_SAMPLES.LOG
Sequence start: 5/3/2017 5:39:49 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\05-03-17_SAMPLES\05-03-17_SAMPLES 2017-05-03 17-24-59 \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	M2016-2678-3-A	-	1.0000	007F0701.D	4
8	8	1	M2016-2678-3-B	-	1.0000	008F0801.D	4
9	9	1	M2017-1668-1-A	-	1.0000	009F0901.D	2
10	10	1	M2017-1668-1-B	-	1.0000	010F1001.D	2
11	11	1	M2017-1731-2-A	-	1.0000	011F1101.D	4
12	12	1	M2017-1731-2-B	-	1.0000	012F1201.D	4
13	13	1	M2017-1732-1-A	-	1.0000	013F1301.D	4
14	14	1	M2017-1732-1-B	-	1.0000	014F1401.D	4
15	15	1	M2017-1754-1-A	-	1.0000	015F1501.D	4
16	16	1	M2017-1754-1-B	-	1.0000	016F1601.D	4
17	17	1	M2017-1756-1-A	-	1.0000	017F1701.D	2
18	18	1	M2017-1756-1-B	-	1.0000	018F1801.D	2
19	19	1	M2017-1787-1-A	-	1.0000	019F1901.D	4
20	20	1	M2017-1787-1-B	-	1.0000	020F2001.D	4
21	21	1	M2017-1792-1-A	-	1.0000	021F2101.D	4
22	22	1	M2017-1792-1-B	-	1.0000	022F2201.D	4
23	23	1	M2017-1793-1-A	-	1.0000	023F2301.D	2
24	24	1	M2017-1793-1-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	M2017-1793-2-A	-	1.0000	027F2701.D	2
28	28	1	M2017-1793-2-B	-	1.0000	028F2801.D	2
29	29	1	M2017-1796-1-A	-	1.0000	029F2901.D	4
30	30	1	M2017-1796-1-B	-	1.0000	030F3001.D	4
31	31	1	M2017-1798-1-A	-	1.0000	031F3101.D	4
32	32	1	M2017-1798-1-B	-	1.0000	032F3201.D	4
33	33	1	M2017-1799-1-A	-	1.0000	033F3301.D	4
34	34	1	M2017-1799-1-B	-	1.0000	034F3401.D	4
35	35	1	M2017-1800-1-A	-	1.0000	035F3501.D	4
36	36	1	M2017-1800-1-B	-	1.0000	036F3601.D	4
37	37	1	M2017-1827-1-A	-	1.0000	037F3701.D	2
38	38	1	M2017-1827-1-B	-	1.0000	038F3801.D	2
39	39	1	M2017-1828-1-A	-	1.0000	039F3901.D	2
40	40	1	M2017-1828-1-B	-	1.0000	040F4001.D	2
41	41	1	M2017-1838-1-A	-	1.0000	041F4101.D	4
42	42	1	M2017-1838-1-B	-	1.0000	042F4201.D	4
43	43	1	M2017-1839-1-A	-	1.0000	043F4301.D	4

JC

Sequence File C:\Chem32\...7_SAMPLES\05-03-17_SAMPLES 2017-05-03 17-24-59\05-03-17_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal Cmp #
44	44	1	M2017-1839-1-B	-	1.0000	044F4401.D	4
45	45	1	M2017-1846-1-A	-	1.0000	045F4501.D	4
46	46	1	M2017-1846-1-B	-	1.0000	046F4601.D	4
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	M2017-1885-1-A	-	1.0000	049F4901.D	4
50	50	1	M2017-1885-1-B	-	1.0000	050F5001.D	4
51	51	1	M2017-1887-1-A	-	1.0000	051F5101.D	4
52	52	1	M2017-1887-1-B	-	1.0000	052F5201.D	4
53	53	1	M2017-1888-1-A	-	1.0000	053F5301.D	2
54	54	1	M2017-1888-1-B	-	1.0000	054F5401.D	2
55	55	1	M2017-1892-1-A	-	1.0000	055F5501.D	4
56	56	1	M2017-1892-1-B	-	1.0000	056F5601.D	4
57	57	1	M2017-1892-2-A	-	1.0000	057F5701.D	4
58	58	1	M2017-1892-2-B	-	1.0000	058F5801.D	4
59	59	1	M2017-1893-1-A	-	1.0000	059F5901.D	2
60	60	1	M2017-1893-1-B	-	1.0000	060F6001.D	2
61	61	1	M2017-1894-1-A	-	1.0000	061F6101.D	2
62	62	1	M2017-1894-1-B	-	1.0000	062F6201.D	2
63	63	1	M2017-1895-1-A	-	1.0000	063F6301.D	4
64	64	1	M2017-1895-1-B	-	1.0000	064F6401.D	4
65	65	1	M2017-1896-1-A	-	1.0000	065F6501.D	2
66	66	1	M2017-1896-1-B	-	1.0000	066F6601.D	2
67	67	1	M2017-1901-1-A	-	1.0000	067F6701.D	4
68	68	1	M2017-1901-1-B	-	1.0000	068F6801.D	4
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
72	72	1	DFE 111914OM	-	1.0000	072F7201.D	2
73	73	1	INTERNAL STD BLK	-	1.0000	073F7301.D	2
74	74	1	TFE 111914	-	1.0000	074F7401.D	2
75	75	1	INTERNAL STD BLK	-	1.0000	075F7501.D	2

Method file name: C:\Chem32\1\Data\05-03-17_SAMPLES\05-03-17_SAMPLES 2017-05-03 17-24-59\SHUTDOWN.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal Cmp #
76	76	1	EMPTY	-	1.0000	076F7601.D	0

JG