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 Date(s): 4/14/16-4/16/16**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Dec-16	1212090	0.0773	0.0696 - 0.0850	0.0745 g/100cc
					0.0759 g/100cc
					g/100cc
Level 2	Jul-18	1407032	0.2020	0.1818 - 0.2222	0.2011 g/100cc
					0.2016 g/100cc
					g/100cc
Multi-Component mixture:		**Exp date: Oct 2019**	**Lot #**	FN09231404	OK
Curve Fit:			**Column 1**	0.99999	**Column2** 0.99987

Ethanol Calibration Reference Material								
Calibrator level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Column 1**	**Column 2**	**Precision**	**Mean**
0.050	Jan-17	FN010912-01	0.050	0.045 - 0.055	0.0492	0.0458	0.0034	0.0475
0.080			0.080	0.072 - 0.088			0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0992	0.0933	0.0059	0.0962
0.200			0.200	0.180 - 0.220			0	#DIV/0!
0.300	Jun-20	FN06051501	0.300	0.270 - 0.330	0.2981	0.2935	0.0046	0.2958
0.400	Jan-17	FN012712-01	0.400	0.360 - 0.440	0.4005	0.4010	0.0005	0.4007
0.500	Aug-19	FN07031402	0.500	0.450 - 0.550	0.5010	0.5049	0.0039	0.5029

Aqueous Controls					
Control level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Overall Results**
0.080	Oct-18	FN09051304	0.08000	0.076 - 0.084	0.077 g/100cc

Issued: 4/22/2015

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

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

NB

Worklist: 1086

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2016-1314	1	54066	Alcohol Analysis
M2016-1315	1	54067	Alcohol Analysis
M2016-1316	1	54071	Alcohol Analysis
M2016-1317	1	54072	Alcohol Analysis
M2016-1318	1	54073	Alcohol Analysis
M2016-1345	1	54144	Alcohol Analysis
M2016-1361	1	54202	Alcohol Analysis
M2016-1362	1	54206	Alcohol Analysis
M2016-1363	1	54210	Alcohol Analysis
M2016-1384	1	54260	Alcohol Analysis
M2016-1385	1	54261	Alcohol Analysis
M2016-1415	1	54421	Alcohol Analysis
M2016-1416	1	54422	Alcohol Analysis
M2016-1417	1	54423	Alcohol Analysis
M2016-1418	1	54424	Alcohol Analysis
M2016-1419	1	54431	Alcohol Analysis
M2016-1420	1	54432	Alcohol Analysis
M2016-1426	1	54448	Alcohol Analysis
M2016-1439	1	54484	Alcohol Analysis
M2016-1456	1	54559	Alcohol Analysis
M2016-1459	1	54574	Alcohol Analysis
P2015-2834	1	54831	Alcohol Analysis

NB

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, April 14, 2016 12:21:21 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 : Forced
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

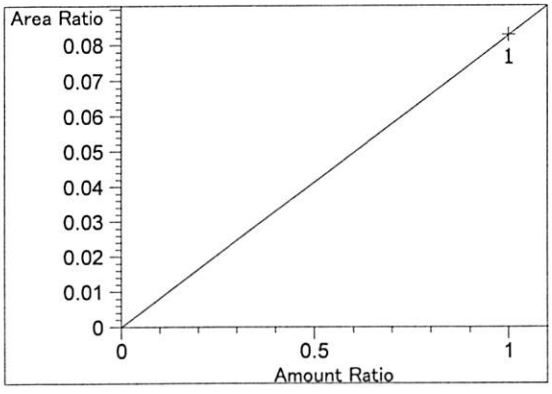
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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
3.074	1	1	5.00000e-2	4.63365	1.07906e-2	No	No	1	ethanol
		2	1.00000e-1	9.13064	1.09521e-2				
		3	3.00000e-1	27.87136	1.07637e-2				
		4	4.00000e-1	37.03930	1.07993e-2				
		5	5.00000e-1	46.37201	1.07824e-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
4.288	2	1	5.00000e-2	4.33981	1.15212e-2	No	No	2	ethanol
		2	1.00000e-1	8.53822	1.17120e-2				
		3	3.00000e-1	27.05299	1.10893e-2				
		4	4.00000e-1	36.33092	1.10099e-2				
		5	5.00000e-1	45.86862	1.09007e-2				
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No	1	acetone
4.624	1	1	1.00000	44.64915	2.23968e-2	No	Yes	1	n-propanol
		2	1.00000	43.60487	2.29332e-2				
		3	1.00000	44.27906	2.25840e-2				
		4	1.00000	43.80157	2.28302e-2				
		5	1.00000	43.84206	2.28091e-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
7.567	2	1	1.00000	42.14514	2.37275e-2	No	Yes	2	n-propanol
		2	1.00000	40.69658	2.45721e-2				
		3	1.00000	40.97525	2.44050e-2				
		4	1.00000	40.28128	2.48254e-2				
		5	1.00000	40.38544	2.47614e-2				

Peak Sum Table

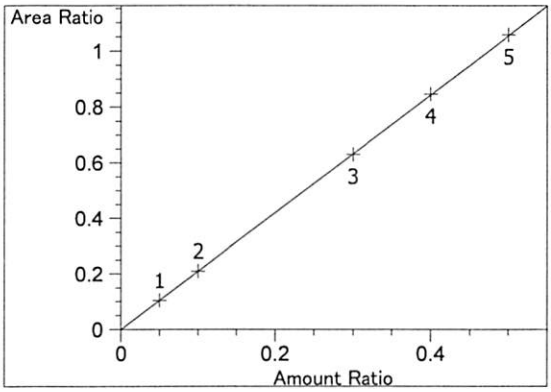
No Entries in table

Calibration Curves

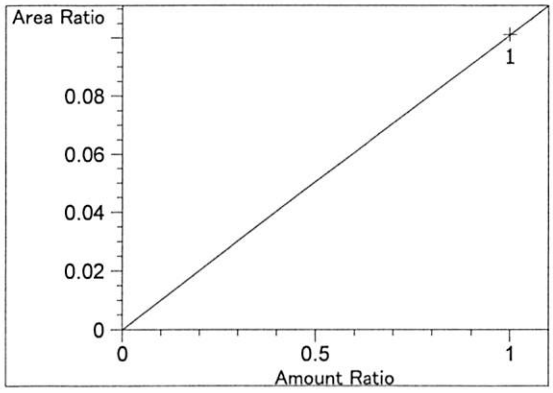


methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.27943e-2
x: Amount Ratio
y: Area Ratio

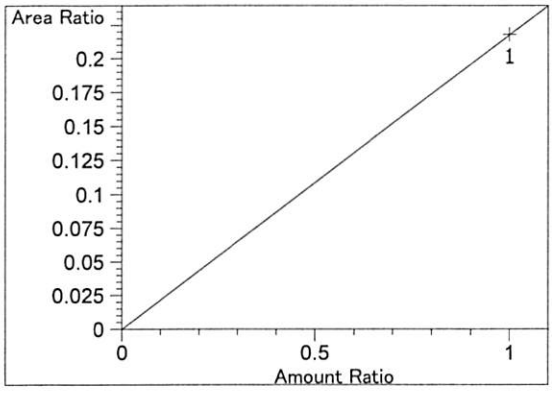
NB



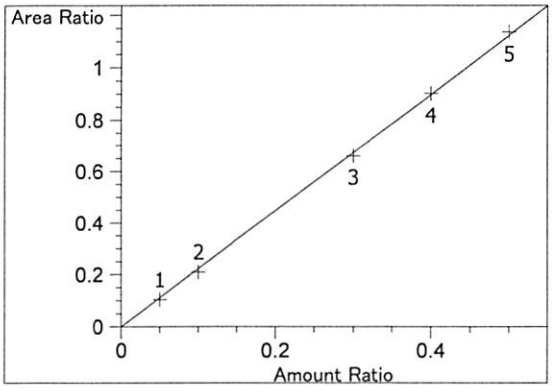
ethanol at exp. RT: 3.074
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00261
Formula: y = mx
m: 2.11134
x: Amount Ratio
y: Area Ratio



methanol at exp. RT: 3.388
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.01094e-1
x: Amount Ratio
y: Area Ratio

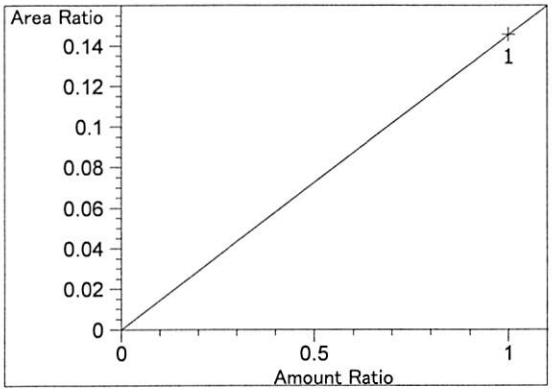


isopropyl alcohol at exp. RT: 3.628
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.17934e-1
x: Amount Ratio
y: Area Ratio

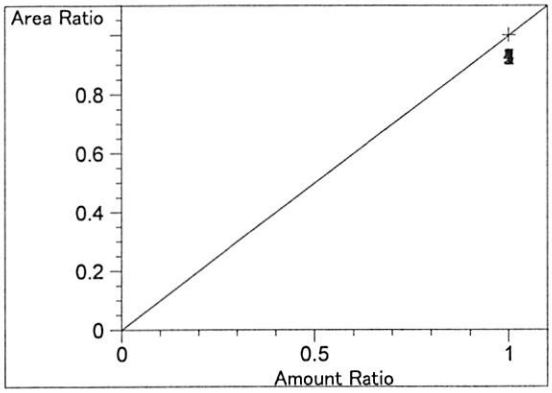


ethanol at exp. RT: 4.288
FID2 B, Back Signal
Correlation: 0.99987
Residual Std. Dev.: 0.01284
Formula: y = mx
m: 2.24947
x: Amount Ratio
y: Area Ratio

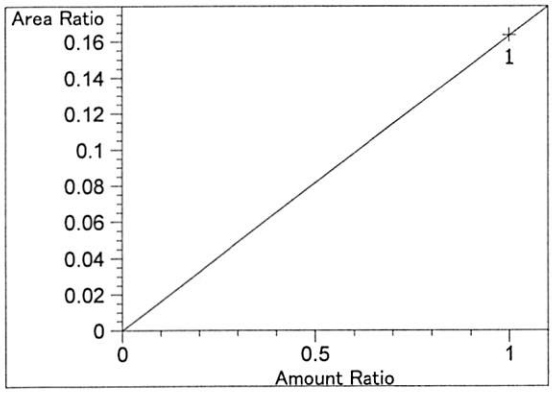
NB



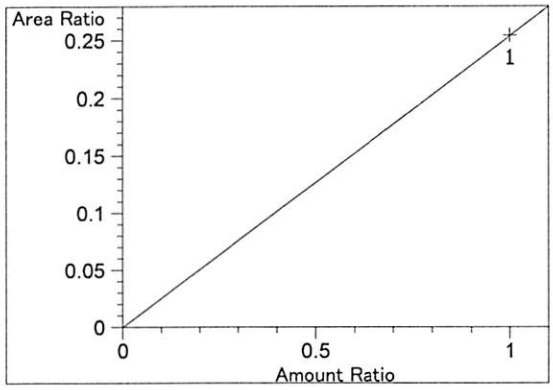
acetone at exp. RT: 4.308
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.45566e-1
x: Amount Ratio
y: Area Ratio



n-propanol at exp. RT: 4.624
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

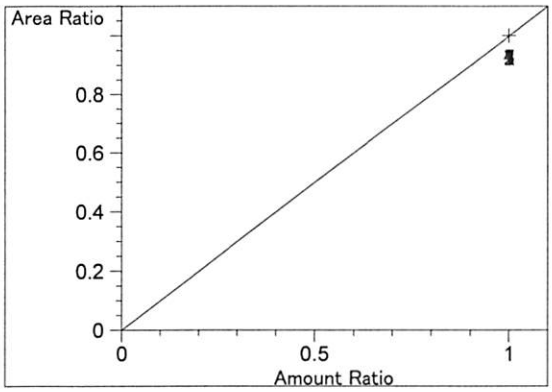


acetone at exp. RT: 4.661
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.63554e-1
x: Amount Ratio
y: Area Ratio



isopropyl alcohol at exp. RT: 4.969
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.54037e-1
x: Amount Ratio
y: Area Ratio

NB



n-propanol at exp. RT: 7.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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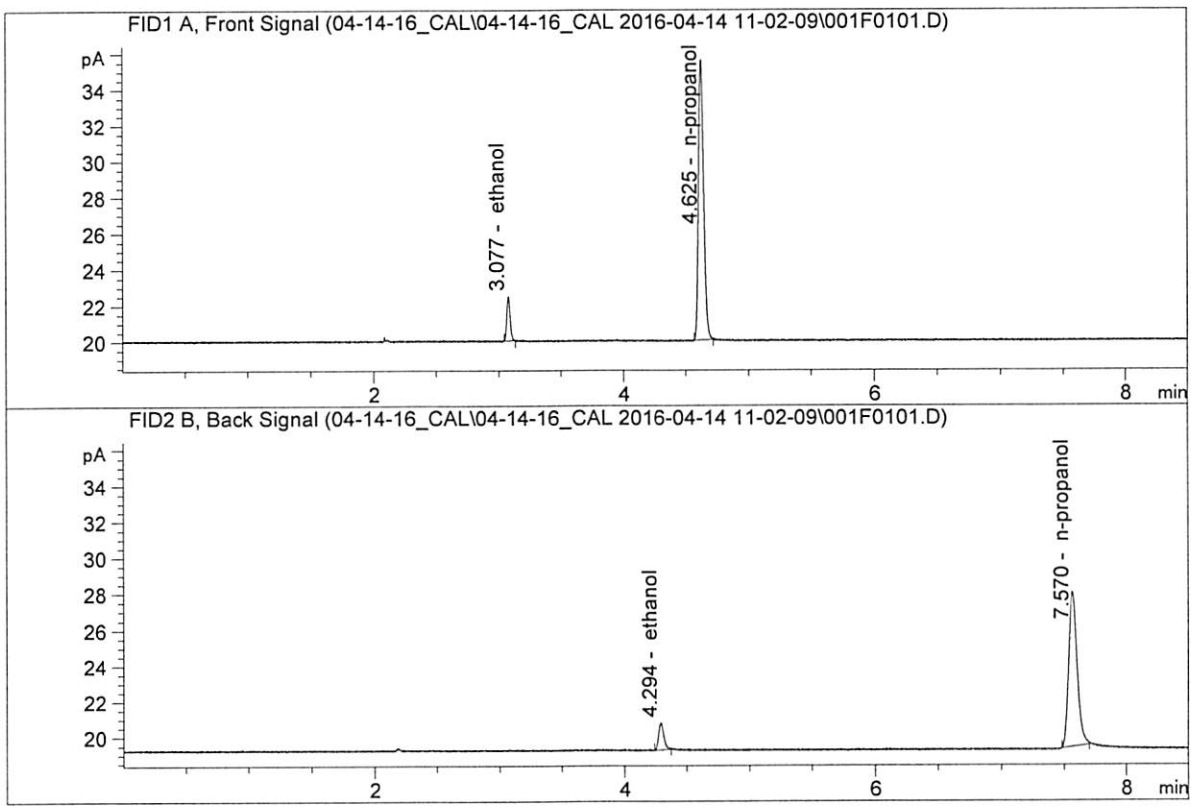
NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN010912-01
Laboratory : Meridian
Injection Date : Apr 14, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

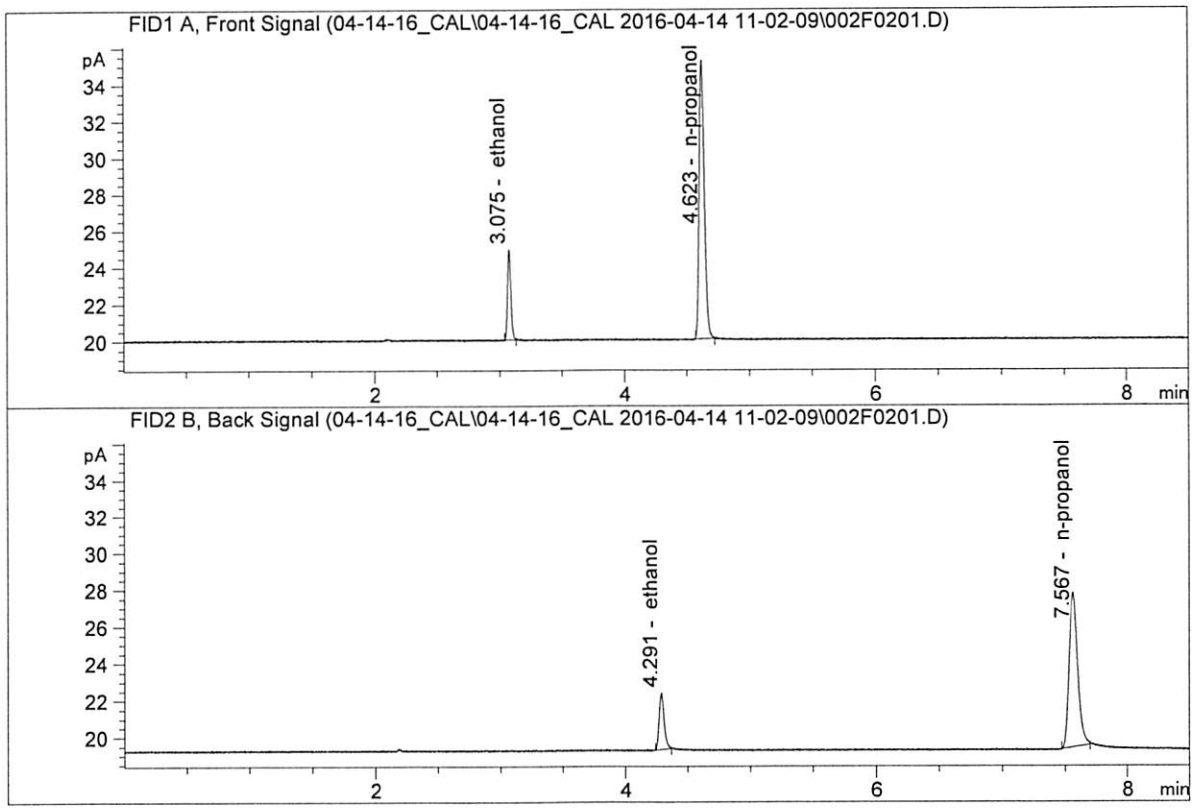


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.63365	0.0492	g/100cc
2.	Ethanol	Column 2:	4.33981	0.0458	g/100cc
3.	n-Propanol	Column 1:	44.64915	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.14514	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN02021403
Laboratory : Meridian
Injection Date : Apr 14, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

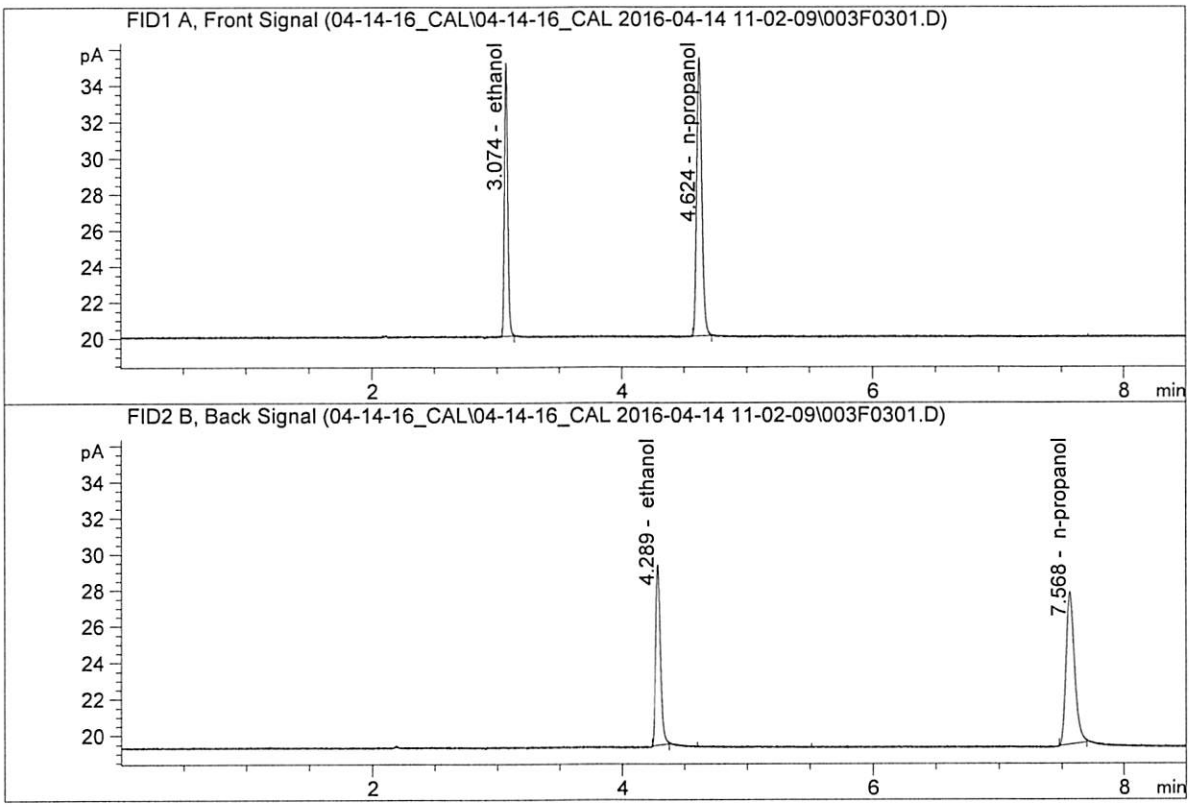


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.13064	0.0992	g/100cc
2.	Ethanol	Column 2:	8.53822	0.0933	g/100cc
3.	n-Propanol	Column 1:	43.60487	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.69658	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN06051501
Laboratory : Meridian
Injection Date : Apr 14, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

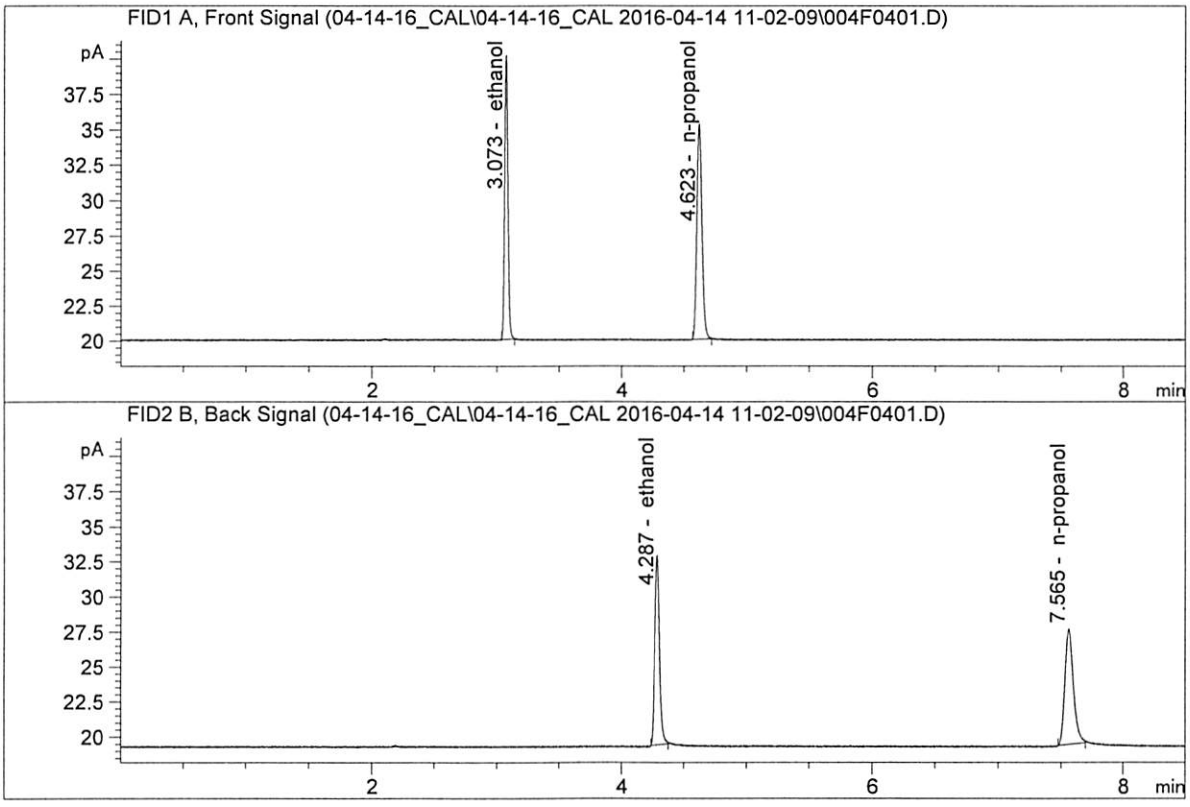


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.87136	0.2981	g/100cc
2.	Ethanol	Column 2:	27.05299	0.2935	g/100cc
3.	n-Propanol	Column 1:	44.27906	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.97525	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.400 FN012712-01
Laboratory : Meridian
Injection Date : Apr 14, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

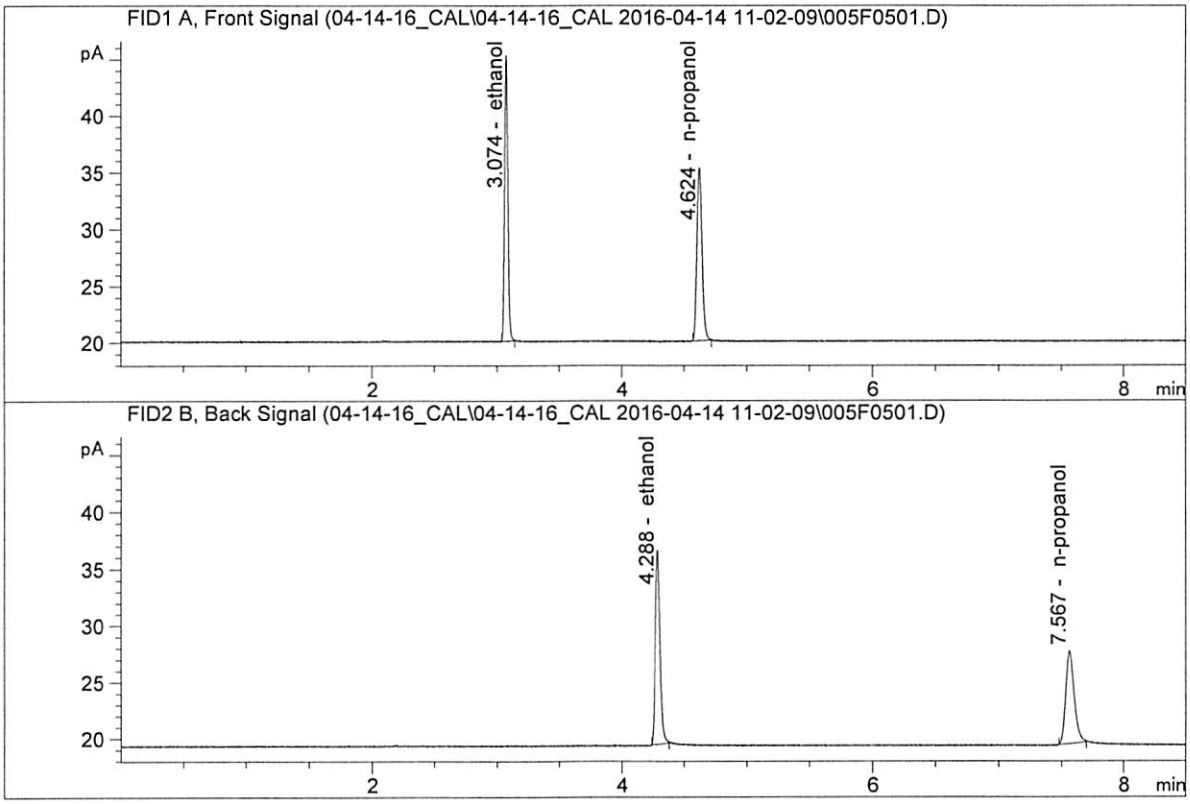


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.03930	0.4005	g/100cc
2.	Ethanol	Column 2:	36.33092	0.4010	g/100cc
3.	n-Propanol	Column 1:	43.80157	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.28128	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN07031402
Laboratory : Meridian
Injection Date : Apr 14, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

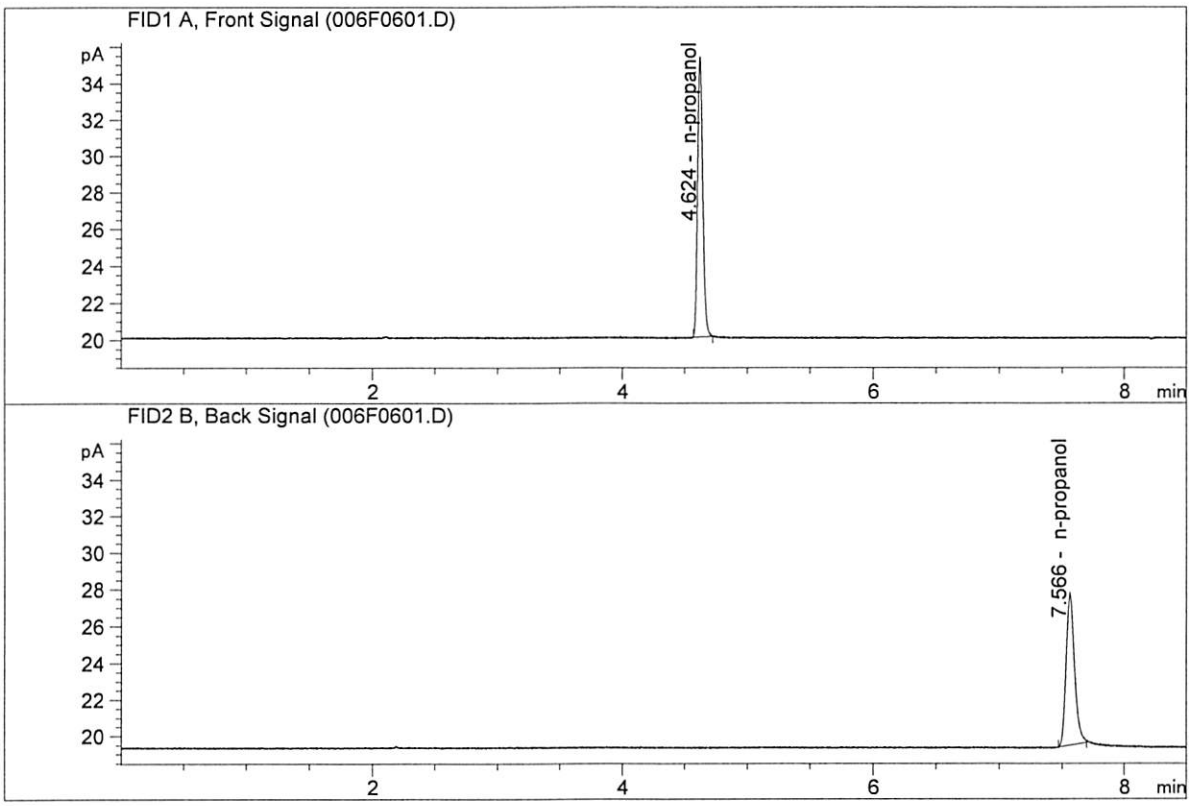


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.37201	0.5010	g/100cc
2.	Ethanol	Column 2:	45.86862	0.5049	g/100cc
3.	n-Propanol	Column 1:	43.84206	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.38544	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
Laboratory : Meridian
Injection Date : Apr 14, 2016
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:	43.85079	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.50065	1.0000	g/100cc

NB

Sample Summary

Sequence table: C:\Chem32\1\Data\04-14-16_CAL\04-14-16_CAL 2016-04-14 11-02-09\04-14-16_CAL.S
Data directory path: C:\Chem32\1\Data\04-14-16_CAL\04-14-16_CAL 2016-04-14 11-02-09\
Logbook: C:\Chem32\1\Data\04-14-16_CAL\04-14-16_CAL 2016-04-14 11-02-09\04-14-16_CAL.LOG
Sequence start: 4/14/2016 11:16:45 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\04-14-16_CAL\04-14-16_CAL 2016-04-14 11-02-09\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050 FN010912-0	-	1.0000	001F0101.D	*	4
2	2	1	0.100 FN02021403	-	1.0000	002F0201.D	*	4
3	3	1	0.300 FN06051501	-	1.0000	003F0301.D	*	4
4	4	1	0.400 FN012712-0	-	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

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 15 Apr 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0774	0.0713	0.0061	0.0743	0.0745
(g/100cc)	0.0775	0.0719	0.0056	0.0747	

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

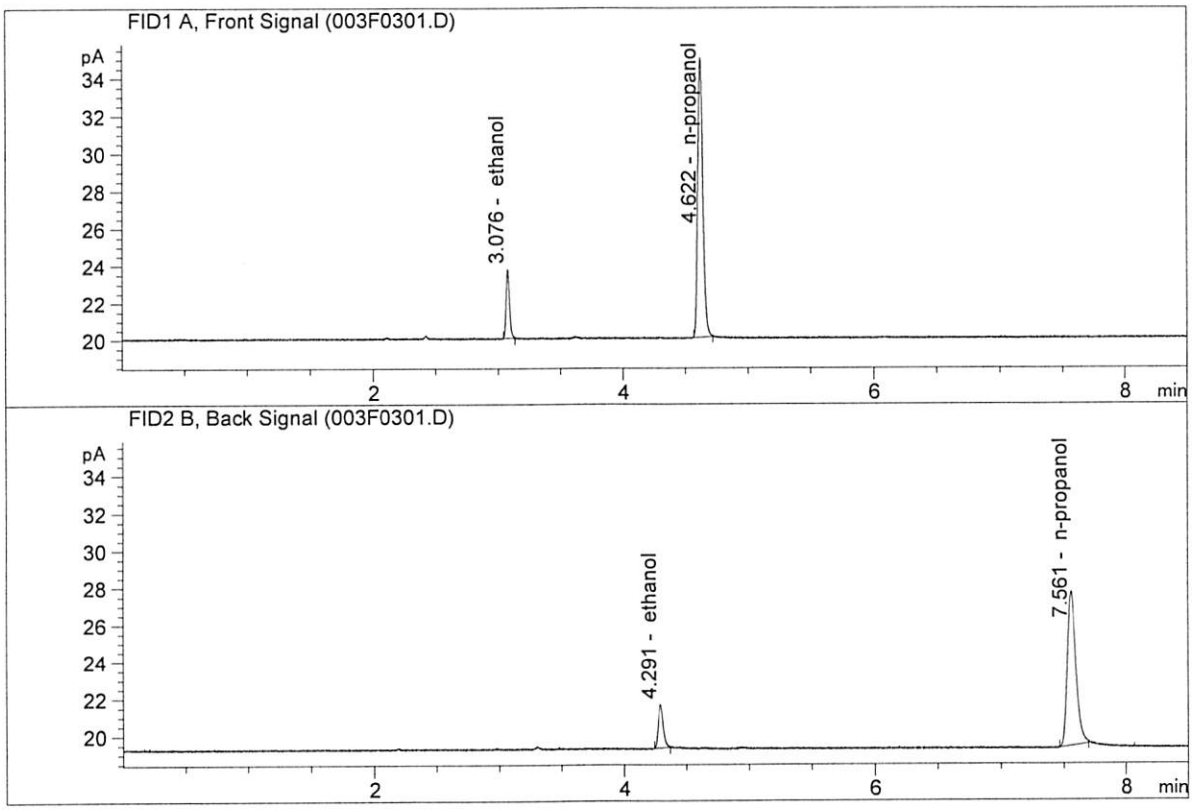
Overall Mean (g/100cc)	Low	High	5% of Mean
0.074	**0.070**	**0.078**	**0.004**

Reported Result
0.074

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

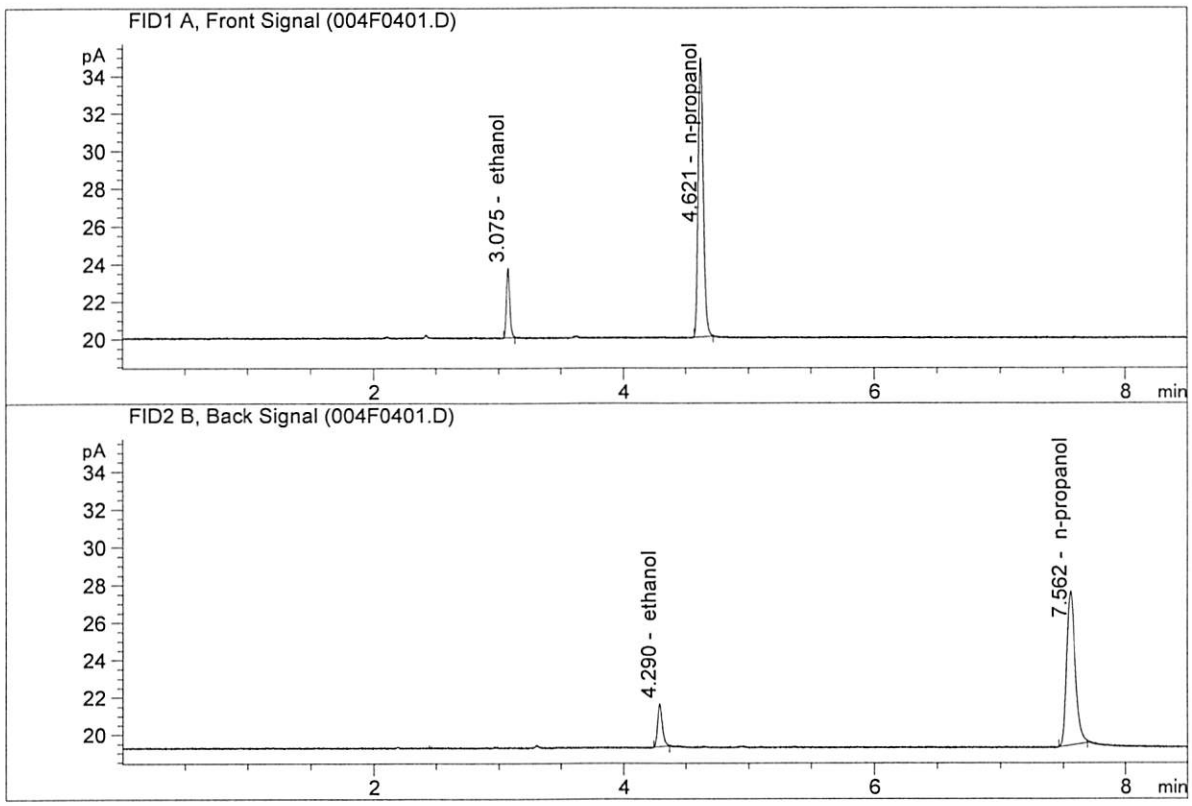


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01417	0.0774	g/100cc
2.	Ethanol	Column 2:	6.52868	0.0713	g/100cc
3.	n-Propanol	Column 1:	42.90536	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.70582	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.97900	0.0775	g/100cc
2.	Ethanol	Column 2:	6.50660	0.0719	g/100cc
3.	n-Propanol	Column 1:	42.64931	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.24957	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 15 Apr 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0791	0.0739	0.0052	0.0765	0.0759	
(g/100cc)	0.0780	0.0728	0.0052	0.0754		

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

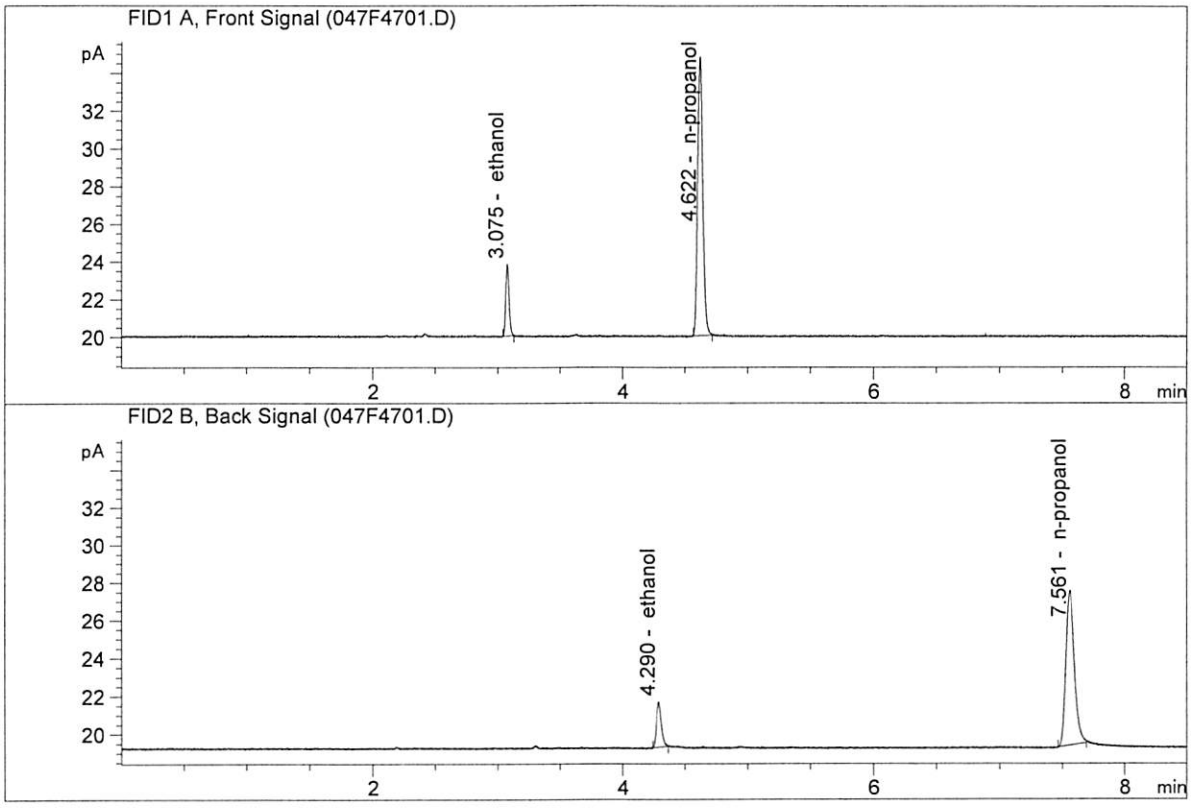
Overall Mean (g/100cc)	Low	High	5% of Mean
0.075	**0.071**	**0.079**	**0.004**

	Reported Result	
	0.075	

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

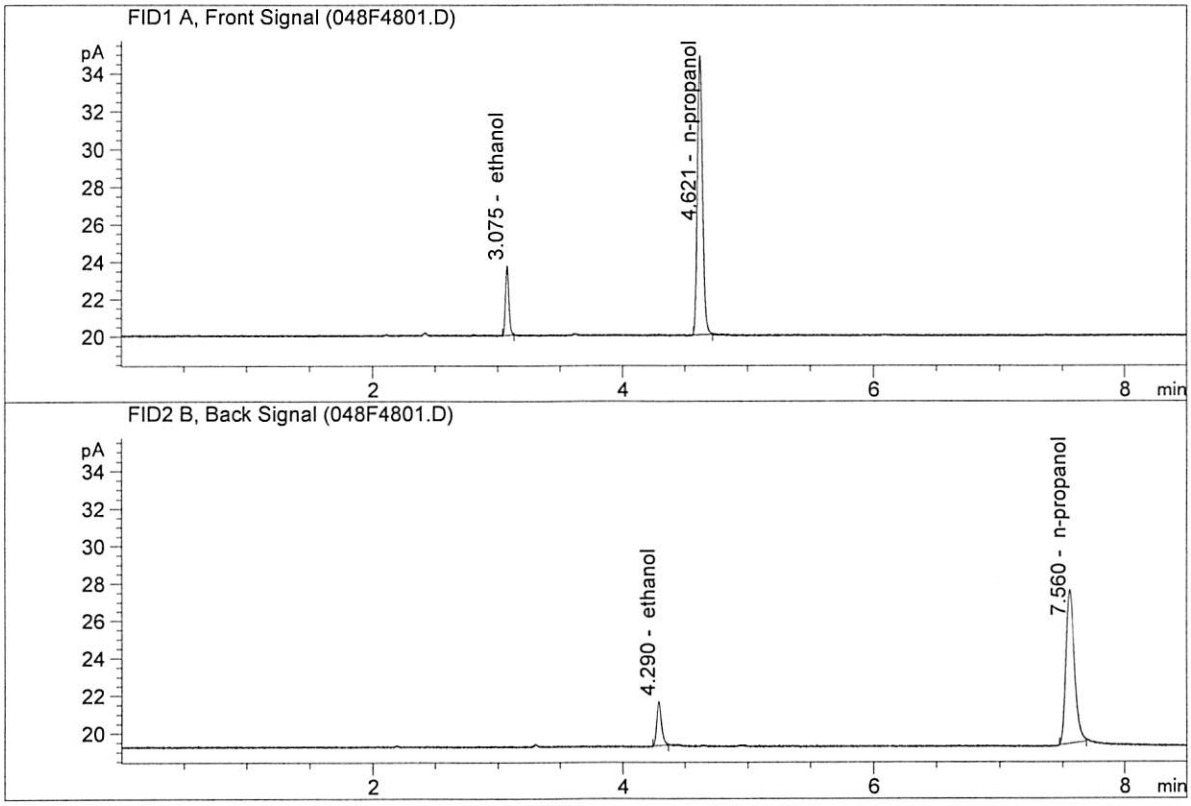


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.05954	0.0791	g/100cc
2.	Ethanol	Column 2:	6.59349	0.0739	g/100cc
3.	n-Propanol	Column 1:	42.29179	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.64705	1.0000	g/100cc

KB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01761	0.0780	g/100cc
2.	Ethanol	Column 2:	6.52092	0.0728	g/100cc
3.	n-Propanol	Column 1:	42.61274	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.83588	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 15 Apr 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.2033	0.2003	0.0030	0.2018	0.2011
(g/100cc)	0.2028	0.1983	0.0045	0.2005	

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

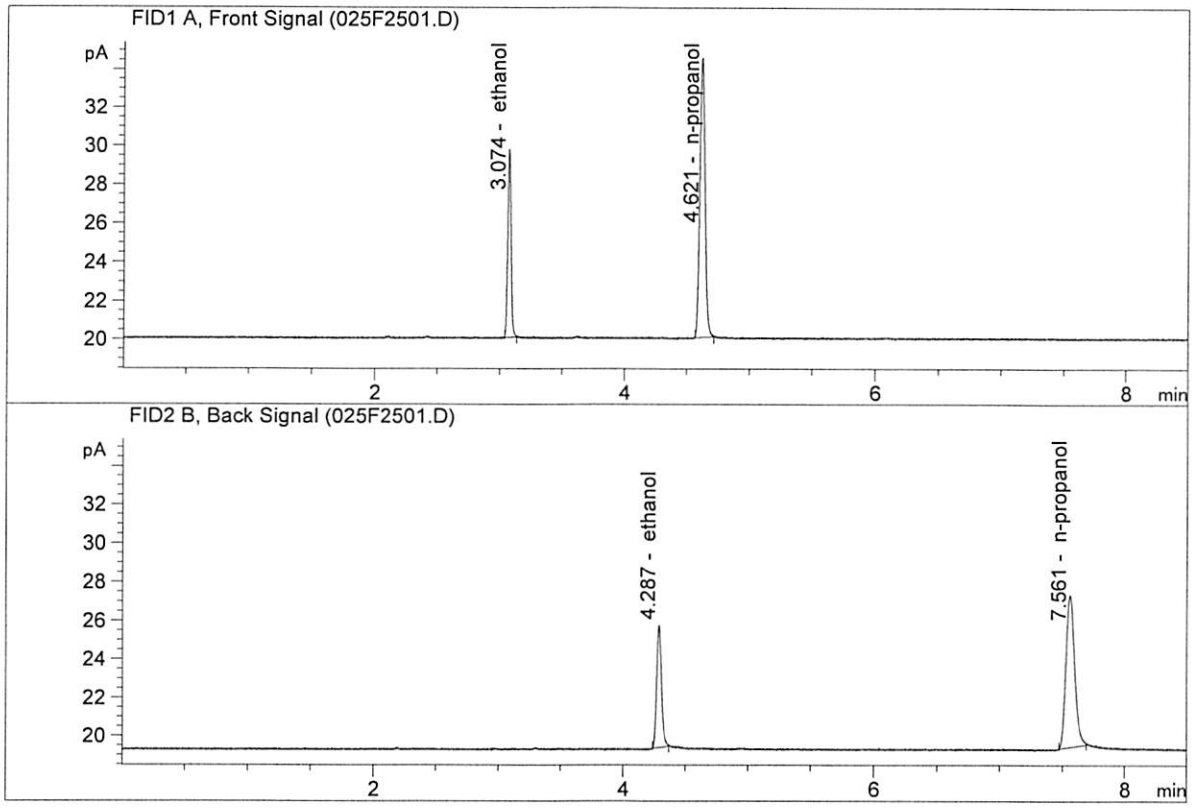
Overall Mean (g/100cc)	Low	High	5% of Mean
0.201	**0.190**	**0.212**	**0.011**

Reported Result
0.201

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

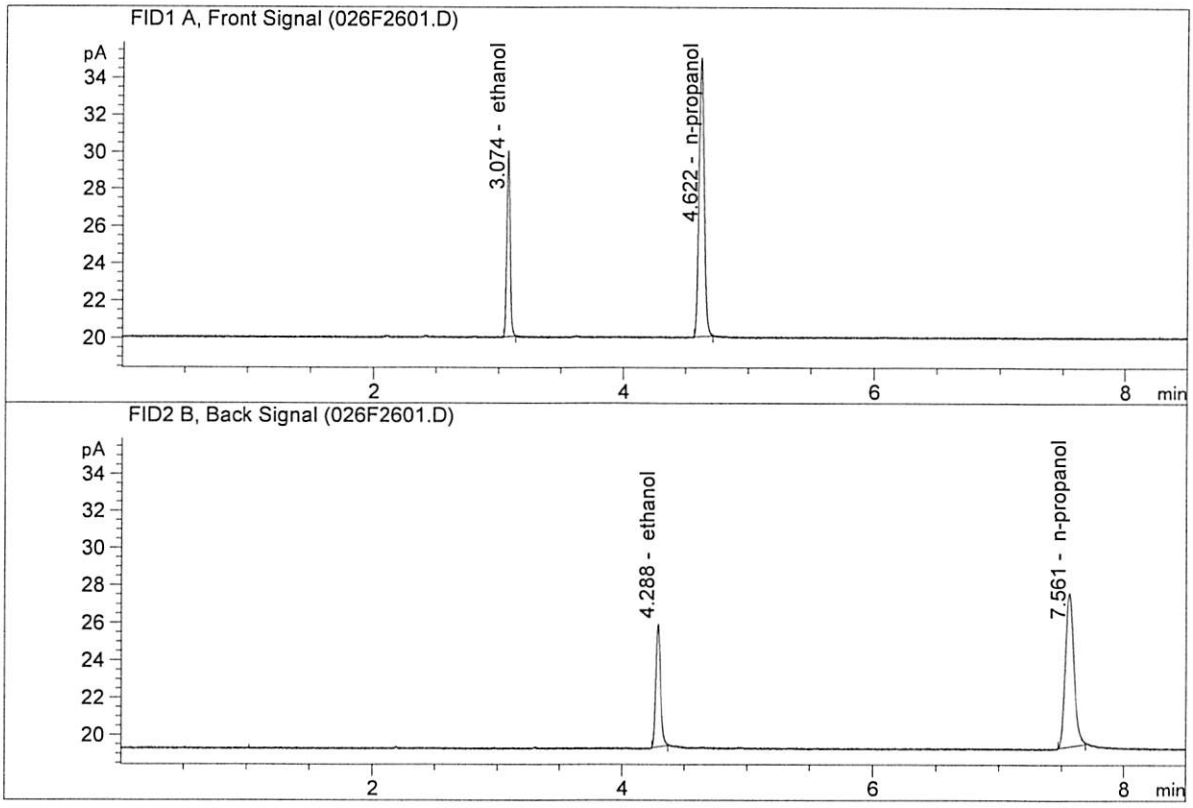


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.89436	0.2033	g/100cc
2.	Ethanol	Column 2:	17.40732	0.2003	g/100cc
3.	n-Propanol	Column 1:	41.69756	1.0000	g/100cc
4.	n-Propanol	Column 2:	38.62653	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.41814	0.2028	g/100cc
2.	Ethanol	Column 2:	17.80742	0.1983	g/100cc
3.	n-Propanol	Column 1:	43.00550	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.91313	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 15 Apr 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.2062	0.2001	0.0061	0.2031	0.2016
(g/100cc)	0.2029	0.1972	0.0057	0.2000	

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%

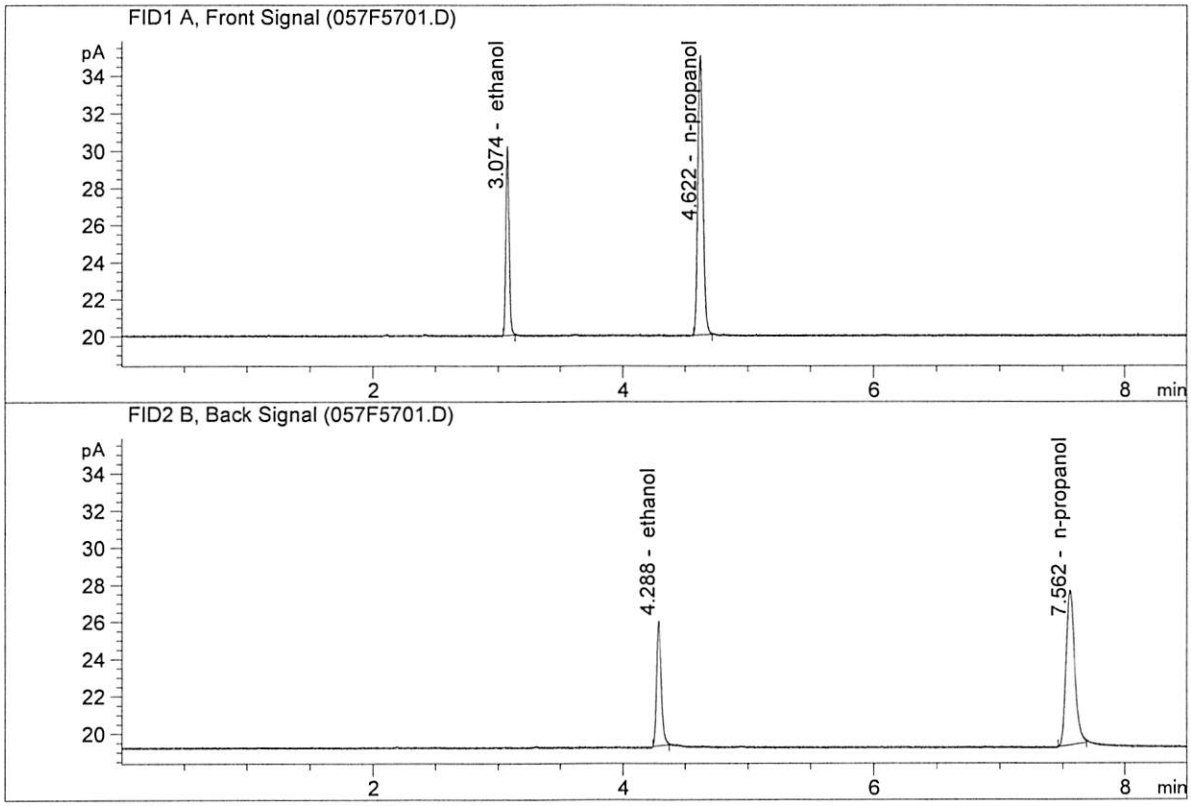
Overall Mean (g/100cc)	Low	High	5% of Mean
0.201	**0.190**	**0.212**	**0.011**

Reported Result
0.201

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

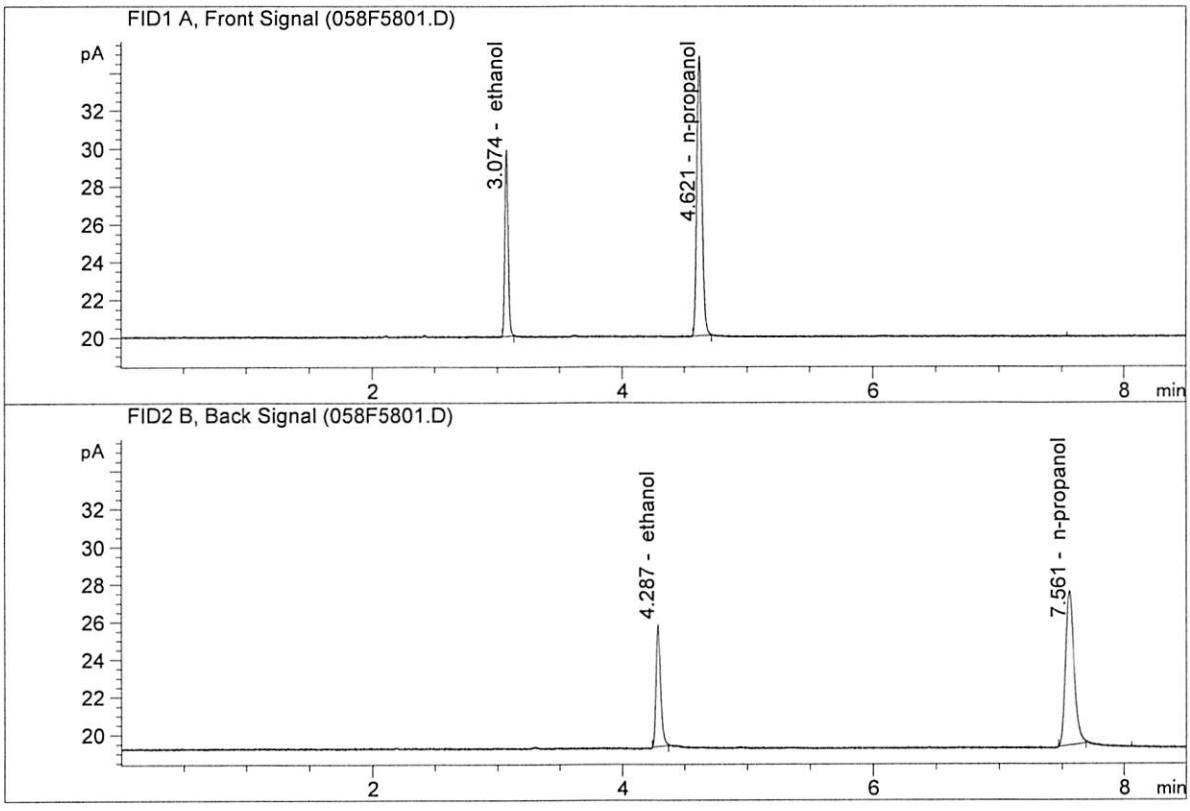


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.68741	0.2062	g/100cc
2.	Ethanol	Column 2:	18.16645	0.2001	g/100cc
3.	n-Propanol	Column 1:	42.92697	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.35717	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.16107	0.2029	g/100cc
2.	Ethanol	Column 2:	17.63284	0.1972	g/100cc
3.	n-Propanol	Column 1:	42.40168	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.74068	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 15 Apr 2016**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0795	0.0751	0.0044	0.0773	0.0771
(g/100cc)	0.0796	0.0742	0.0054	0.0769	

Analysis Method

Refer to Volatiles Analytical Method 1.0

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%**

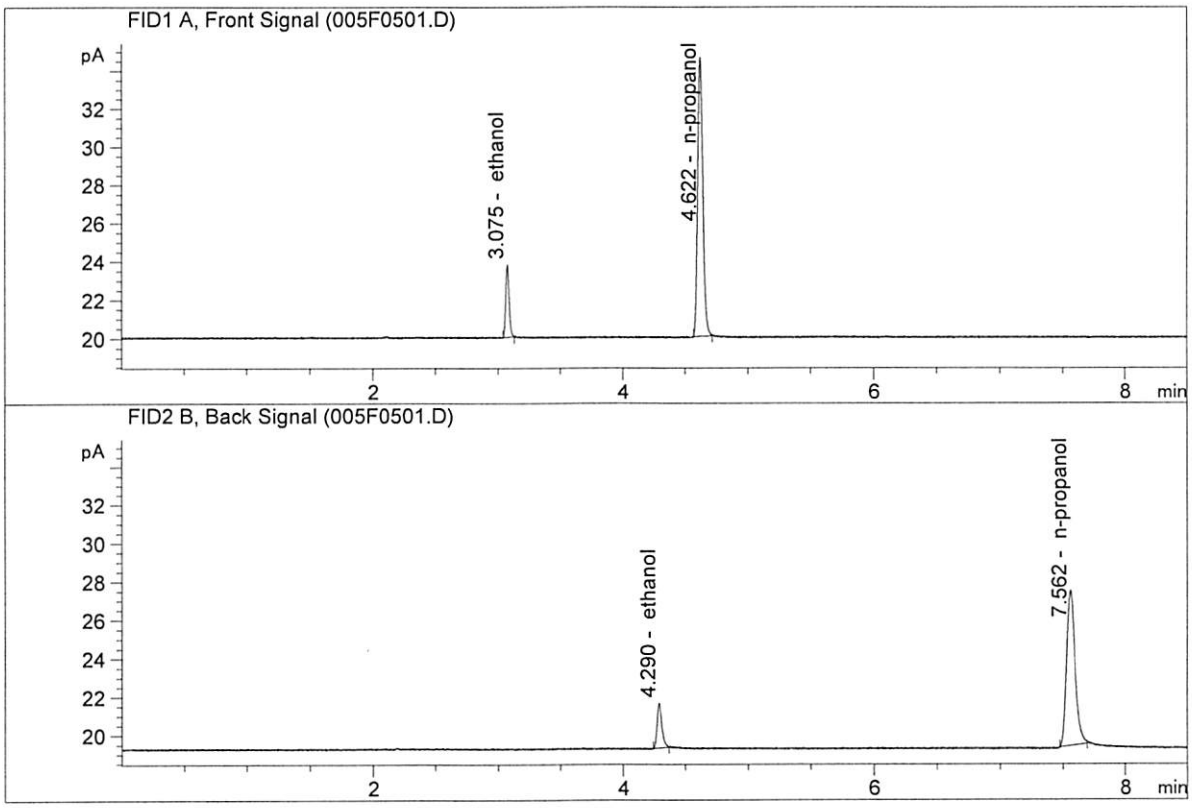
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

Reported Result
0.077

Calibration and control data are stored centrally. **Analyst:** NB **Page 2**

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-A
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

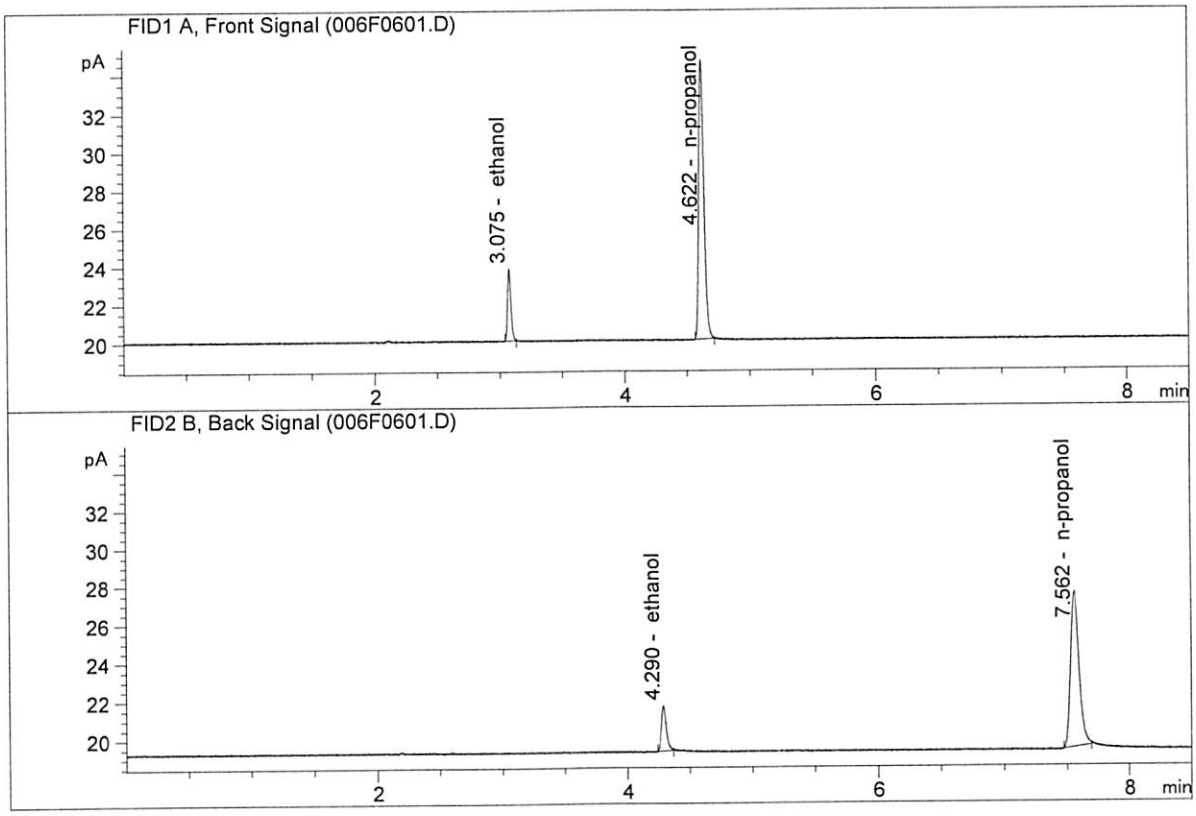


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.04098	0.0795	g/100cc
2.	Ethanol	Column 2:	6.64113	0.0751	g/100cc
3.	n-Propanol	Column 1:	41.93979	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.29188	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

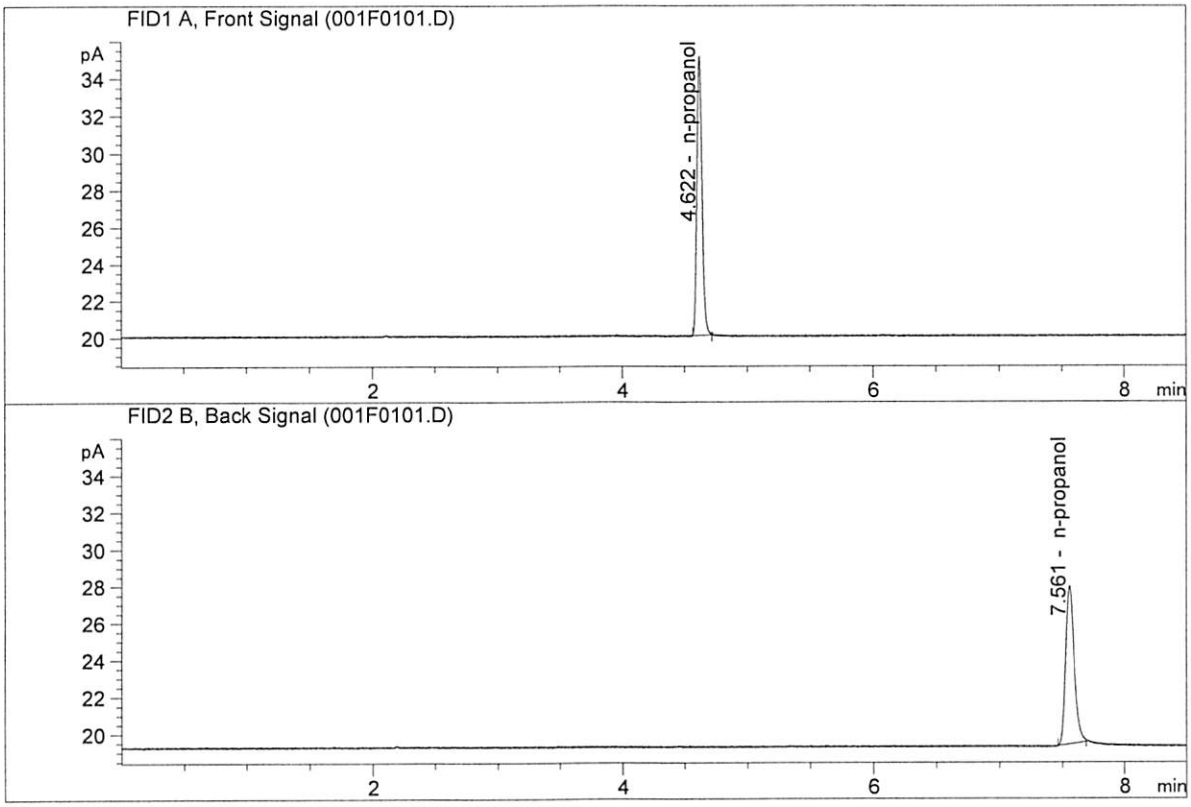


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.03697	0.0796	g/100cc
2.	Ethanol	Column 2:	6.56011	0.0742	g/100cc
3.	n-Propanol	Column 1:	41.85863	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.30529	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK 1
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

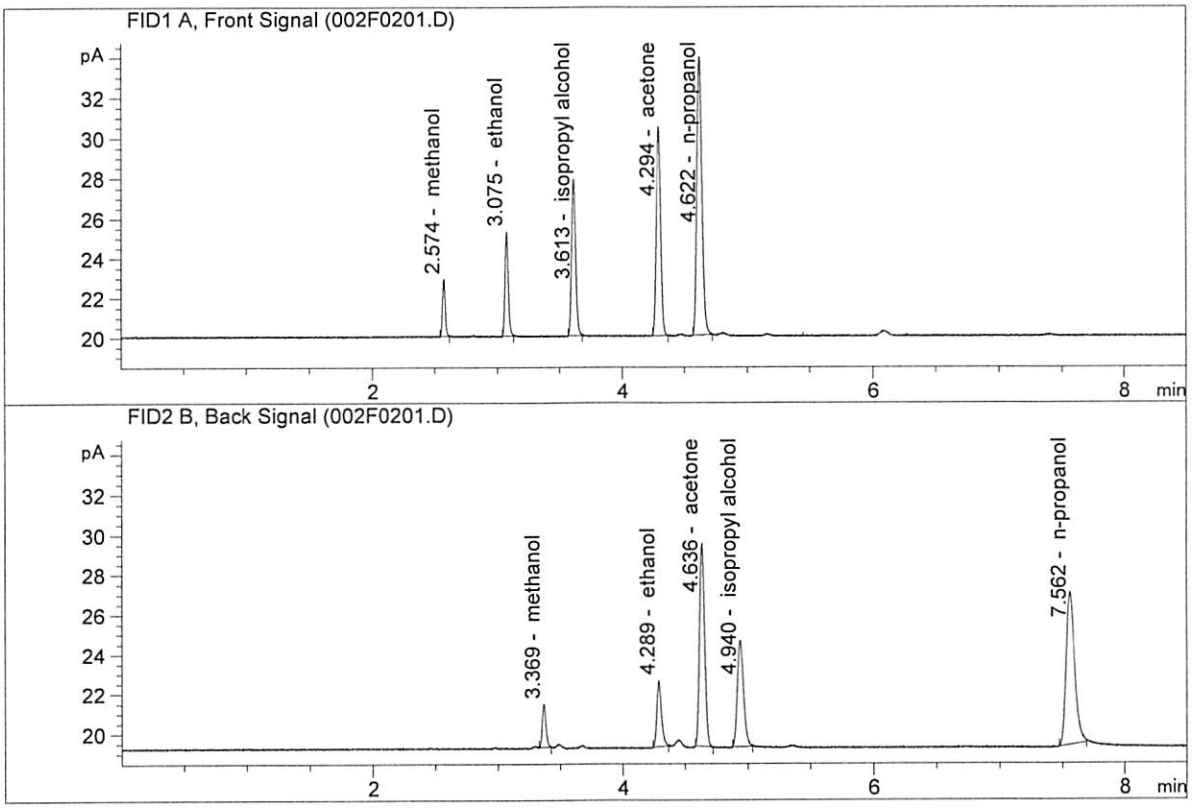


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.28519	1.0000	g/100cc
4.	n-Propanol	Column 2:	41.56705	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN09231404
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

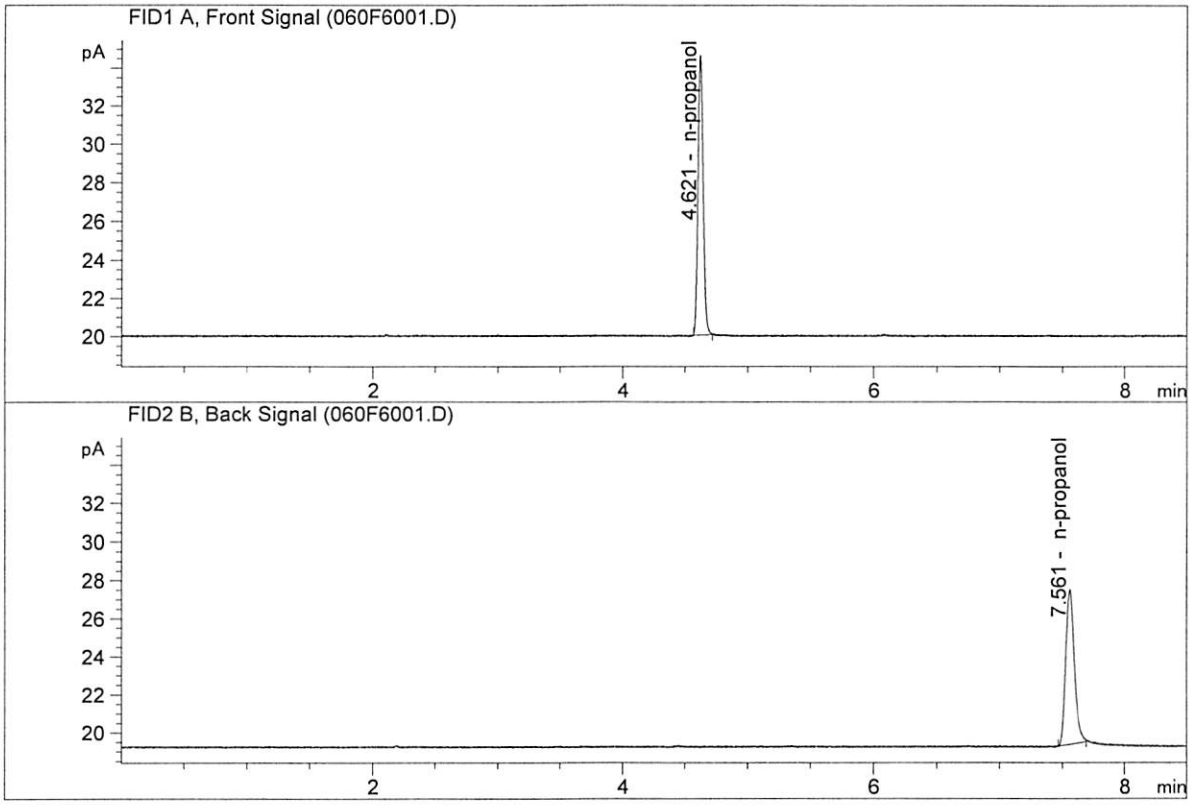


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.53394	0.1143	g/100cc
2.	Ethanol	Column 2:	9.01684	0.1078	g/100cc
3.	n-Propanol	Column 1:	39.49353	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.19591	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLK
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

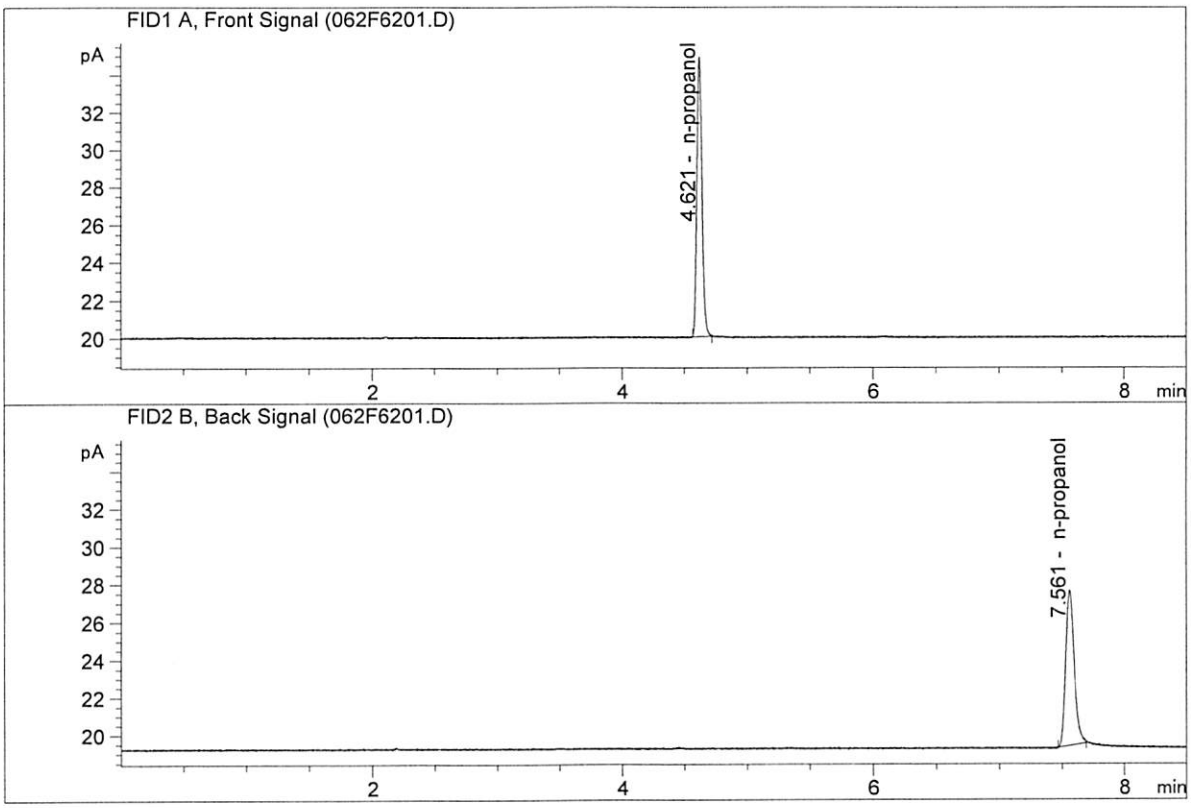


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	41.81177	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.52100	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLK a
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

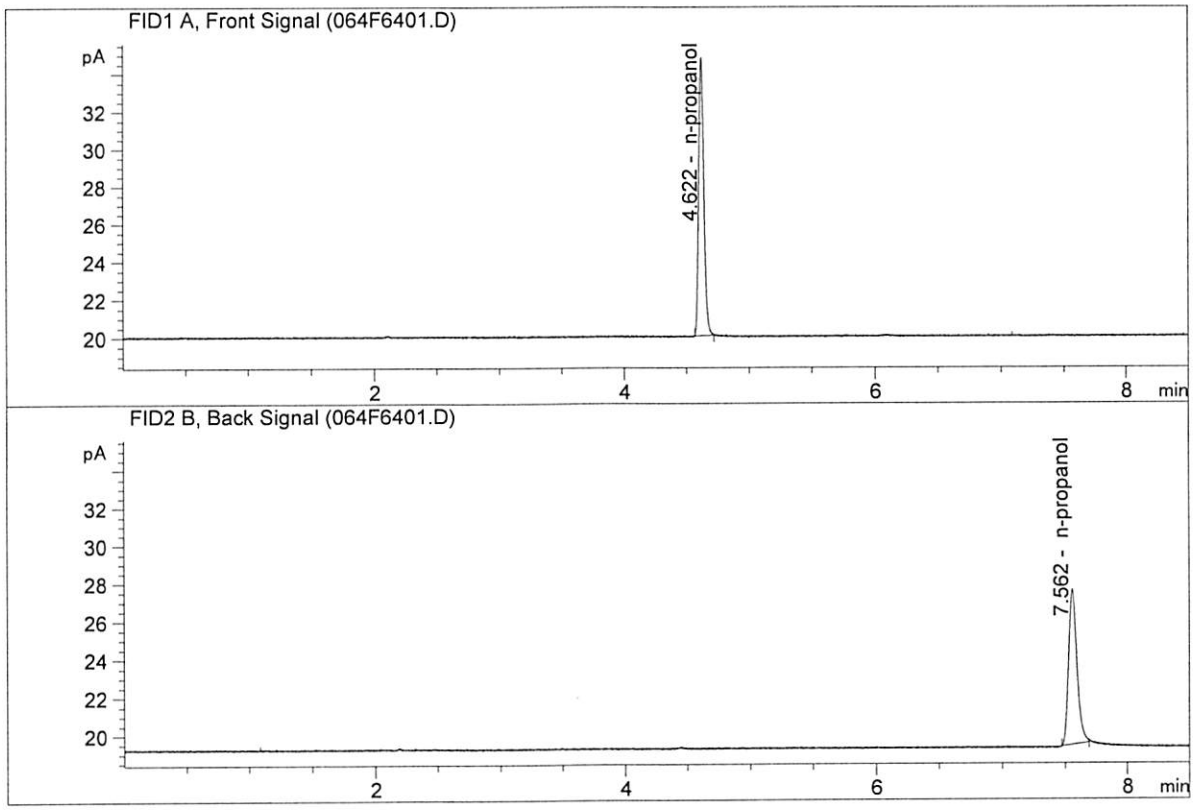


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.55365	1.0000	g/100cc
4.	n-Propanol	Column 2:	40.05097	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLK b
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

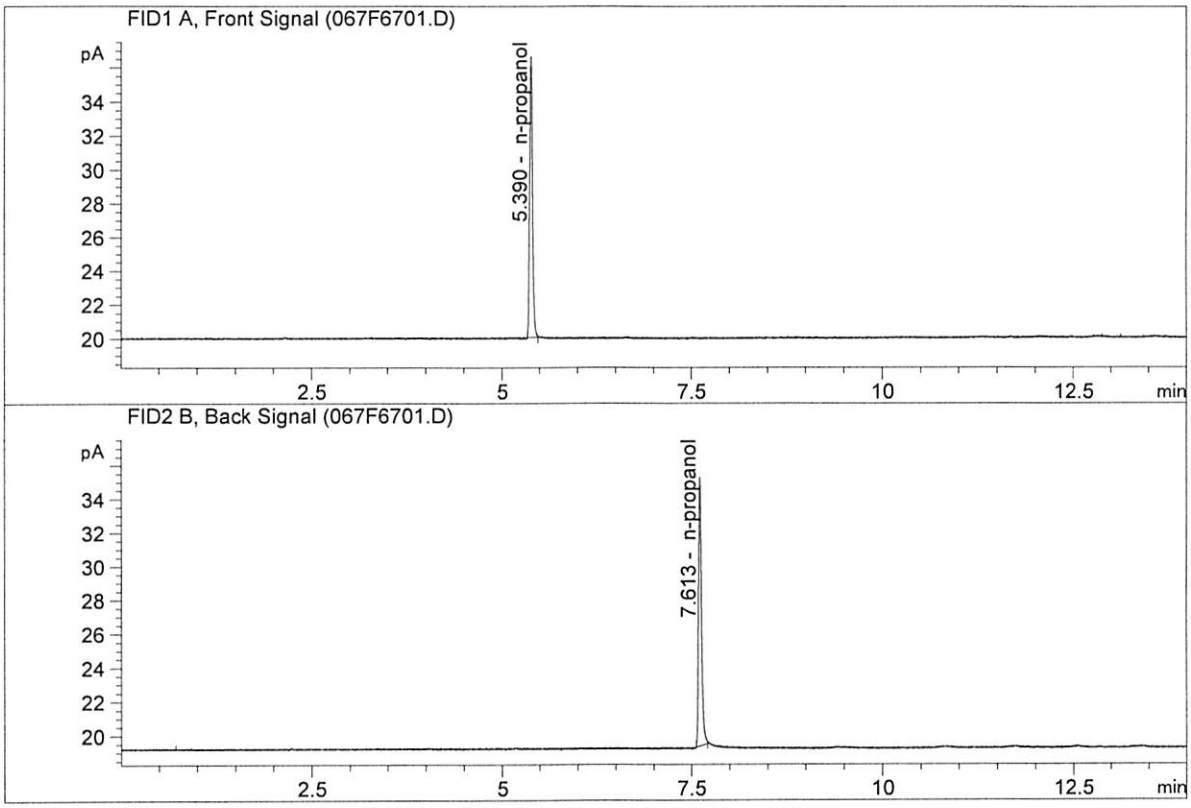


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.24067	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.66961	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLK vol a
Laboratory : Meridian
Injection Date : Apr 16, 2016
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167

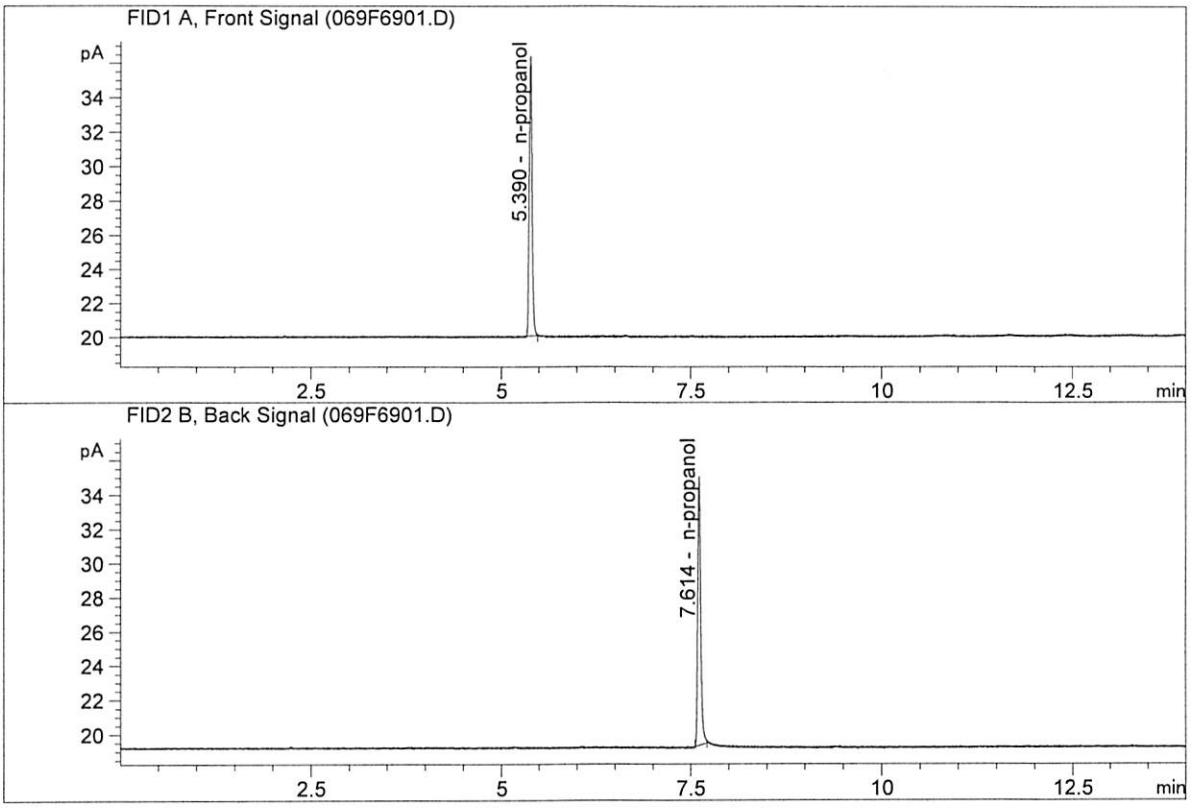


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	43.44145	1.0000	g/100cc
4.	n-Propanol	Column 2:	43.13427	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLK vol b
Laboratory : Meridian
Injection Date : Apr 16, 2016
Method : VOLATILES.M
Acq. Instrument: CN11180014-CN11041167

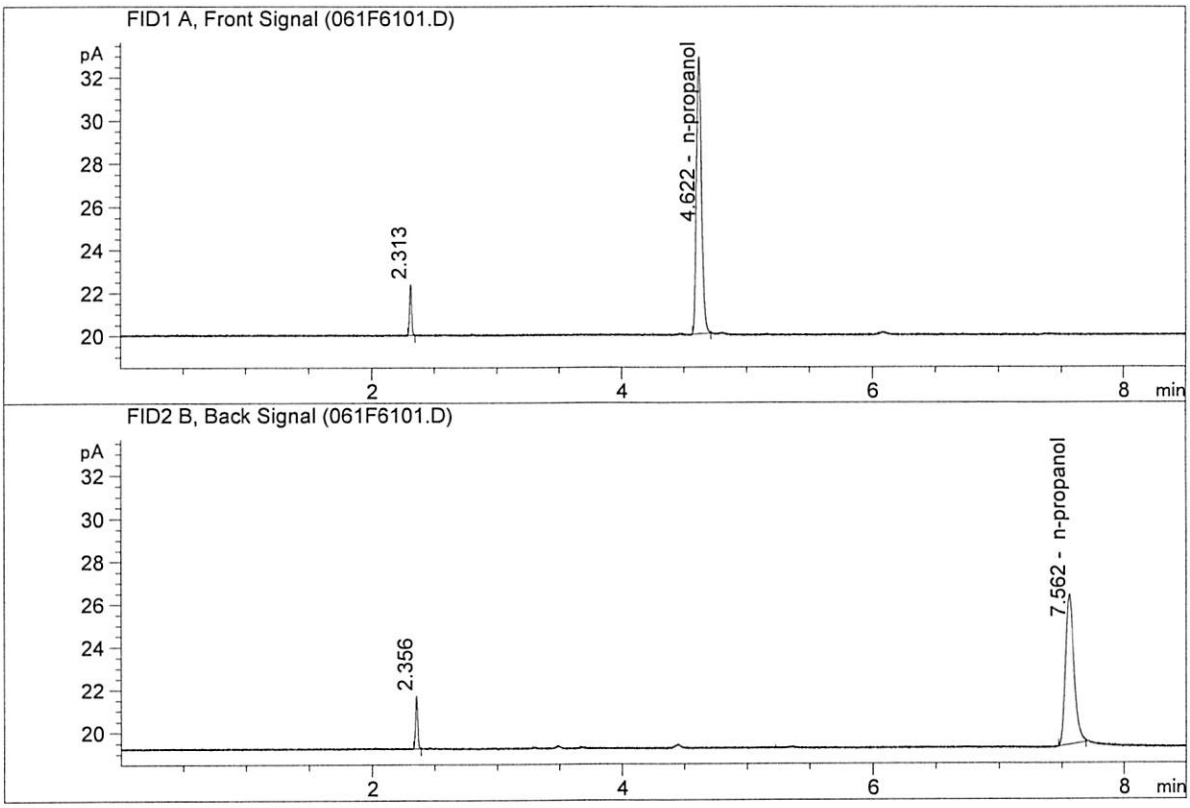


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	42.79609	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.64104	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : difluoroethane 111914OM
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

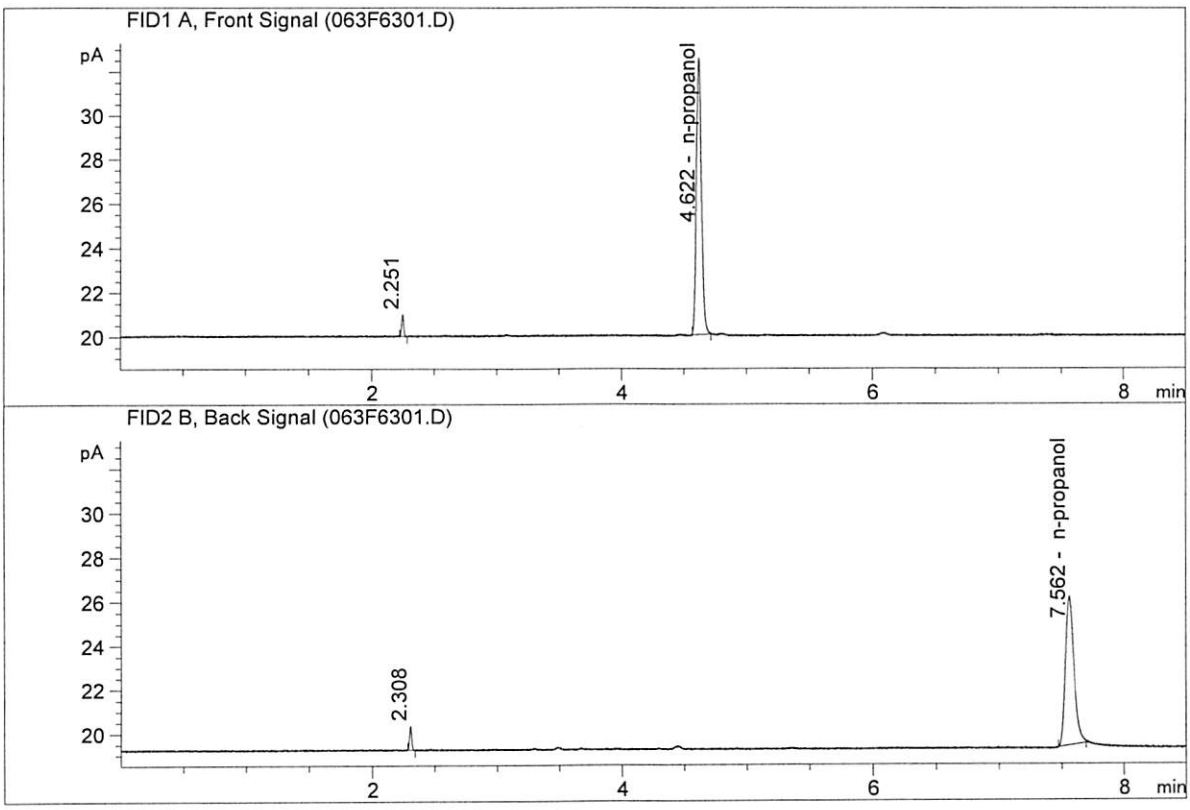


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	36.57805	1.0000	g/100cc
4.	n-Propanol	Column 2:	34.09596	1.0000	g/100cc

NB

ISP Forensic Services Blood Alcohol Report

Sample Name : tetrafluoroethane 111914
Laboratory : Meridian
Injection Date : Apr 15, 2016
Method : ALCOHOL.M
Acq. Instrument: CN11180014-CN11041167

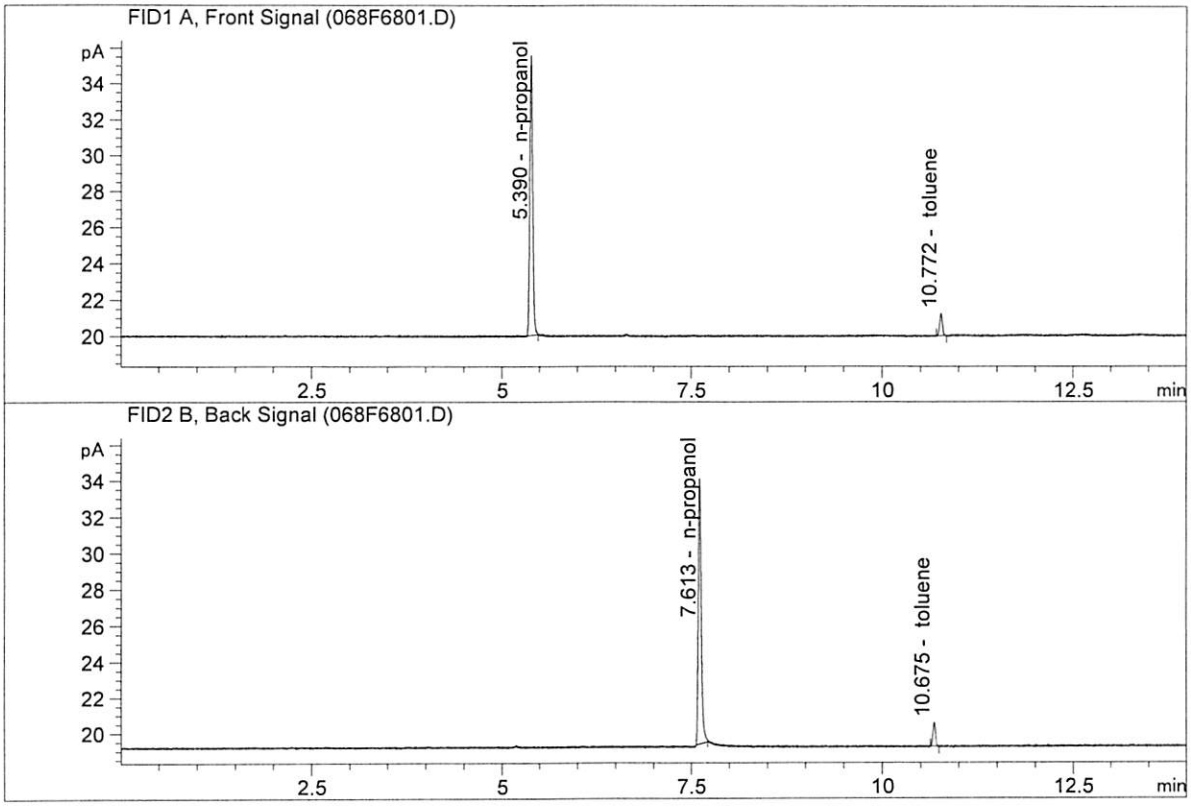


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	35.58347	1.0000	g/100cc
4.	n-Propanol	Column 2:	32.99915	1.0000	g/100cc

MB

ISP Forensic Services Blood Alcohol Report

Sample Name : toluene 002007
Laboratory : Meridian
Injection Date : Apr 16, 2016
Method : VOLATILES.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:	40.60595	1.0000	g/100cc
4.	n-Propanol	Column 2:	39.97685	1.0000	g/100cc

NB

Sample Summary

Sequence table: C:\Chem32\1\Data\04-15-16_SAMPLES\04-15-16_SAMPLES 2016-04-15 12-30-11\04 15-16_SAMPLES.S
Data directory path: C:\Chem32\1\Data\04-15-16_SAMPLES\04-15-16_SAMPLES 2016-04-15 12-30-11\
Logbook: C:\Chem32\1\Data\04-15-16_SAMPLES\04-15-16_SAMPLES 2016-04-15 12-30-11\04 15-16_SAMPLES.LOG
Sequence start: 4/15/2016 12:45:01 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\Chem32\1\Data\04-15-16_SAMPLES\04-15-16_SAMPLES 2016-04-15 12-30-11 \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 FN09051304-	-	1.0000	005F0501.D	4
6	6	1	0.08 FN09051304-	-	1.0000	006F0601.D	4
7	7	1	M2016-1314-1-A	-	1.0000	007F0701.D	4
8	8	1	M2016-1314-1-B	-	1.0000	008F0801.D	4
9	9	1	M2016-1315-1-A	-	1.0000	009F0901.D	2
10	10	1	M2016-1315-1-B	-	1.0000	010F1001.D	2
11	11	1	M2016-1316-1-A	-	1.0000	011F1101.D	4
12	12	1	M2016-1316-1-B	-	1.0000	012F1201.D	4
13	13	1	M2016-1317-1-A	-	1.0000	013F1301.D	4
14	14	1	M2016-1317-1-B	-	1.0000	014F1401.D	4
15	15	1	M2016-1318-1-A	-	1.0000	015F1501.D	4
16	16	1	M2016-1318-1-B	-	1.0000	016F1601.D	4
17	17	1	M2016-1345-1-A	-	1.0000	017F1701.D	4
18	18	1	M2016-1345-1-B	-	1.0000	018F1801.D	4
19	19	1	M2016-1361-1-A	-	1.0000	019F1901.D	6
20	20	1	M2016-1361-1-B	-	1.0000	020F2001.D	6
21	21	1	M2016-1362-1-A	-	1.0000	021F2101.D	2
22	22	1	M2016-1362-1-B	-	1.0000	022F2201.D	2
23	23	1	M2016-1363-1-A	-	1.0000	023F2301.D	4
24	24	1	M2016-1363-1-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	M2016-1384-1-A	-	1.0000	027F2701.D	4
28	28	1	M2016-1384-1-B	-	1.0000	028F2801.D	4
29	29	1	M2016-1385-1-A	-	1.0000	029F2901.D	4
30	30	1	M2016-1385-1-B	-	1.0000	030F3001.D	4
31	31	1	M2016-1415-1-A	-	1.0000	031F3101.D	4
32	32	1	M2016-1415-1-B	-	1.0000	032F3201.D	4
33	33	1	M2016-1416-1-A	-	1.0000	033F3301.D	4
34	34	1	M2016-1416-1-B	-	1.0000	034F3401.D	4
35	35	1	M2016-1417-1-A	-	1.0000	035F3501.D	4
36	36	1	M2016-1417-1-B	-	1.0000	036F3601.D	4
37	37	1	M2016-1418-1-A	-	1.0000	037F3701.D	4
38	38	1	M2016-1418-1-B	-	1.0000	038F3801.D	4
39	39	1	M2016-1419-1-A	-	1.0000	039F3901.D	2
40	40	1	M2016-1419-1-B	-	1.0000	040F4001.D	2
41	41	1	M2016-1420-1-A	-	1.0000	041F4101.D	4
42	42	1	M2016-1420-1-B	-	1.0000	042F4201.D	4
43	43	1	M2016-1426-1-A	-	1.0000	043F4301.D	4

NB

Sequence File C:\Chem32\...6_SAMPLES\04-15-16_SAMPLES 2016-04-15 12-30-11\04-15-16_SAMPLES.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2016-1426-1-B	-	1.0000	044F4401.D	4
45	45	1	M2016-1439-1-A	-	1.0000	045F4501.D	4
46	46	1	M2016-1439-1-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	M2016-1456-1-A	-	1.0000	049F4901.D	4
50	50	1	M2016-1456-1-B	-	1.0000	050F5001.D	4
51	51	1	M2016-1459-1-A	-	1.0000	051F5101.D	4
52	52	1	M2016-1459-1-B	-	1.0000	052F5201.D	4
53	53	1	P2016-2834-1-A	-	1.0000	053F5301.D	4
54	54	1	P2016-2834-1-B	-	1.0000	054F5401.D	4
55	55	1	L1 1407031-A	-	1.0000	055F5501.D	4
56	56	1	L1 1407031-~~A~~ B	-	1.0000	056F5601.D	4
57	57	1	QC2-2-A NB	-	1.0000	057F5701.D	4
58	58	1	QC2-2-B	-	1.0000	058F5801.D	4
59	59	1	Mixed FN06041502	-	1.0000	059F5901.D	10
60	60	1	INTERNAL STANDAR	-	1.0000	060F6001.D	2
61	61	1	difluoroethane 1	-	1.0000	061F6101.D	2
62	62	1	INTERNAL STANDAR	-	1.0000	062F6201.D	2
63	63	1	tetrafluoroethan	-	1.0000	063F6301.D	2
64	64	1	INTERNAL STANDAR	-	1.0000	064F6401.D	2

Method file name: C:\Chem32\1\Data\04-15-16_SAMPLES\04-15-16_SAMPLES 2016-04-15 12-30-11 \VOLATILES.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
65	65	1	M2016-1439-1-A	-	1.0000	065F6501.D	4
66	66	1	M2016-1439-1-B	-	1.0000	066F6601.D	4
67	67	1	INTERNAL STANDAR	-	1.0000	067F6701.D	2
68	68	1	toluene 002007	-	1.0000	068F6801.D	4
69	69	1	INTERNAL STANDAR	-	1.0000	069F6901.D	2

Method file name: C:\Chem32\1\Data\04-15-16_SAMPLES\04-15-16_SAMPLES 2016-04-15 12-30-11 \SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
70	70	1	EMPTY	-	1.0000	OnlineEdited4.D	0

NB