

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 6004 Liquid Processor/Dilutor Serial Number: ML600HC11378

Volatiles Quality Assurance Controls Run Date(s): 05/01/19 (extraction)

Calibration date 05/01/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0829 g/100cc
					0.0843 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2073 g/100cc
					0.2111 g/100cc
Multi-Component mixture:					OK
Curve Fit:					OK
			Column 1	Lot #	FN06041502
			Column 1	1.00000	Column 2
					0.99994

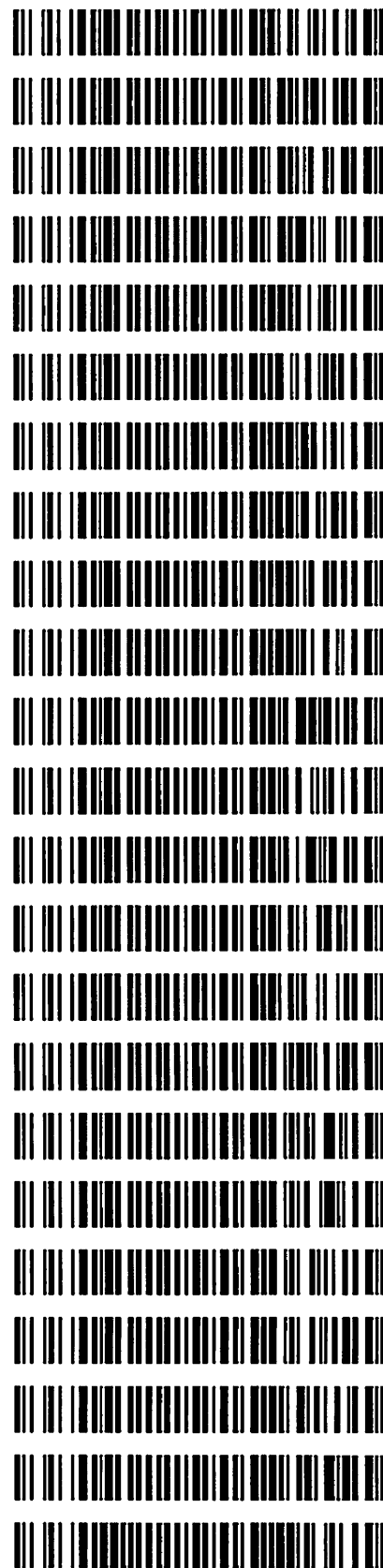
Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0503	0.0521	0.0018	0.0512
100	0.100	0.090 - 0.110	0.0998	0.1000	0.0002	0.0999
200	0.200	0.180 - 0.220	0.1996	0.1974	0.0022	0.1985
300	0.300	0.270 - 0.330	0.3004	0.2990	0.0014	0.2997
500	0.500	0.450 - 0.550	0.4999	0.5014	0.0015	0.5006

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



Worklist: 3359

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2019-1833	2	149982	Alcohol Analysis
M2019-1843	1	149414	Alcohol Analysis
M2019-1844	1	149415	Alcohol Analysis
M2019-1862	1	149471	Alcohol Analysis
M2019-1873	1	149522	Alcohol Analysis
M2019-1902	1	149781	Alcohol Analysis
M2019-1939	1	149829	Alcohol Analysis
M2019-1940	1	149833	Alcohol Analysis
M2019-1946	1	149846	Alcohol Analysis
M2019-1947	1	149849	Alcohol Analysis
M2019-1985	1	149929	Alcohol Analysis
M2019-1986	1	149930	Alcohol Analysis
M2019-1987	1	149931	Alcohol Analysis
M2019-1991	1	149981	Alcohol Analysis
M2019-1993	1	150105	Alcohol Analysis
M2019-2006	1	150154	Alcohol Analysis
M2019-2009	1	150247	Alcohol Analysis
M2019-2010	1	150251	Alcohol Analysis
M2019-2011	1	150252	Alcohol Analysis
M2019-2012	1	150264	Alcohol Analysis
M2019-2030	1	150305	Alcohol Analysis
M2019-2044	1	150333	Alcohol Analysis
P2019-1267	3	149852	Alcohol Analysis



Worklist: 3359

LAB CASE ITEM TASK_ID DESCRIPTION

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Calibration Table
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General Calibration Setting

Calib. Data Modified : Wednesday, May 01, 2019 10:28:53 AM
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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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	4.41458	1.13261e-2	No	No 1	ethanol
		2	1.00000e-1	8.80713	1.13544e-2			
		3	2.00000e-1	17.69654	1.13016e-2			
		4	3.00000e-1	26.57748	1.12878e-2			
		5	5.00000e-1	44.13723	1.13283e-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	4.45179	1.12314e-2	No	No 2	ethanol
		2	1.00000e-1	8.96959	1.11488e-2			
		3	2.00000e-1	18.26976	1.09471e-2			
		4	3.00000e-1	27.59874	1.08701e-2			
		5	5.00000e-1	46.35536	1.07862e-2			
4.308	1	1	1.00000	6.49940	1.53860e-1	No	No 1	acetone
4.620	1	1	1.00000	47.42672	2.10852e-2	No	Yes 1	n-propanol
		2	1.00000	47.30640	2.11388e-2			
		3	1.00000	47.35352	2.11178e-2			
		4	1.00000	47.18001	2.11954e-2			
		5	1.00000	47.02999	2.12630e-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	49.06056	2.03830e-2	No	Yes 2	n-propanol
		2	1.00000	48.61694	2.05690e-2			
		3	1.00000	48.72375	2.05239e-2			
		4	1.00000	48.08435	2.07968e-2			
		5	1.00000	47.78846	2.09256e-2			

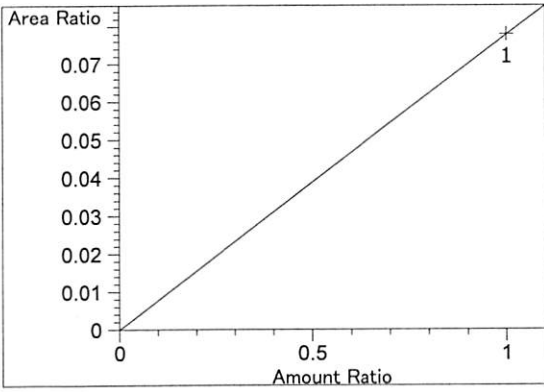
Peak Sum Table

No Entries in table

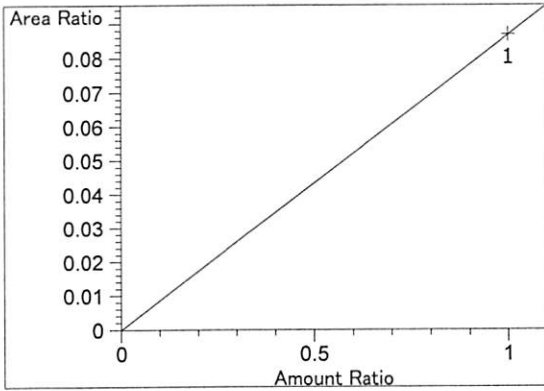
61 Warnings or Errors (10 first messages follow) :

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

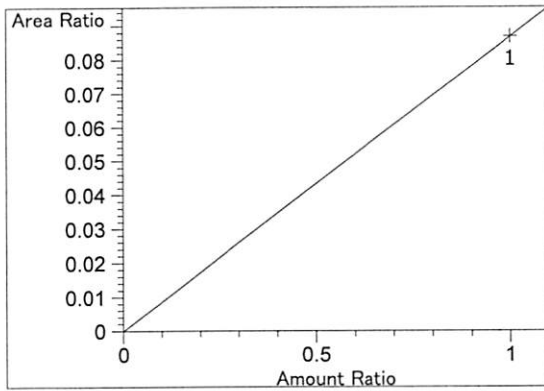
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Calibration Curves
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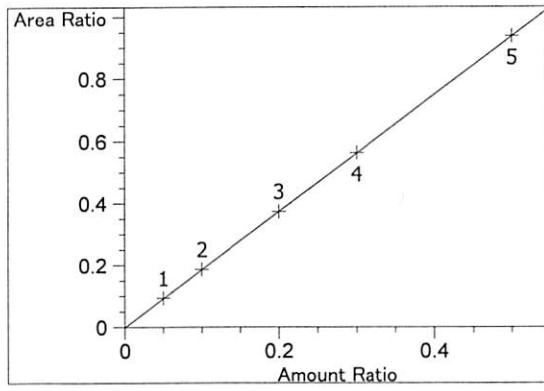
methanol at exp. RT: 2.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 7.79454e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



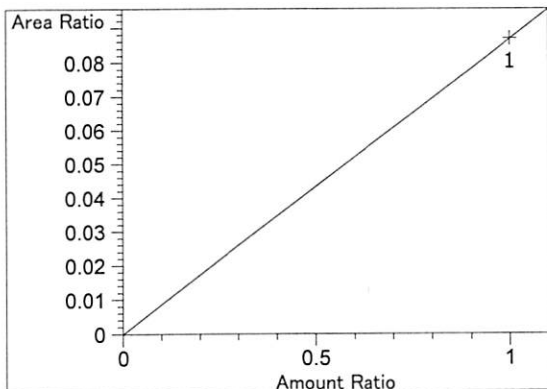
Acetaldehyde at exp. RT: 2.809
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.68518e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



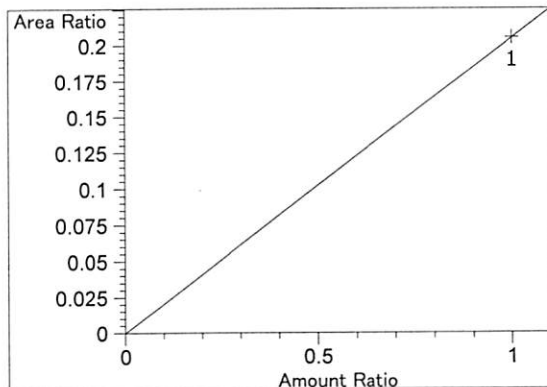
Acetaldehyde at exp. RT: 2.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 8.68518e-2
b: 0.00000
x: Amount Ratio
y: Area Ratio



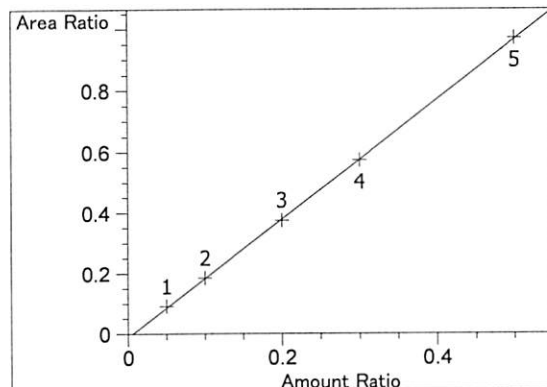
ethanol at exp. RT: 3.075
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00076
Formula: $y = mx + b$
m: 1.88013
b: -1.47432e-3
x: Amount Ratio
y: Area Ratio



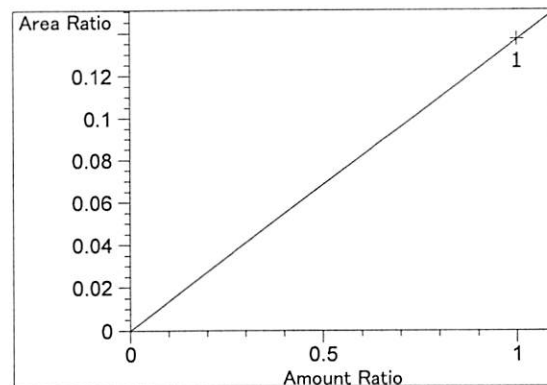
methanol at exp. RT: 3.388
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 8.68442e-2
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



isopropyl alcohol at exp. RT: 3.628
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 2.05170e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

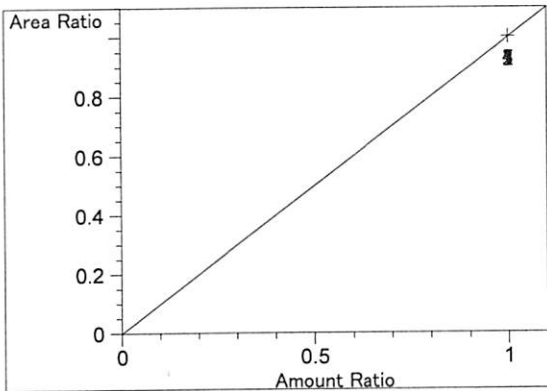


ethanol at exp. RT: 4.285
 FID2 B, Back Signal
 Correlation: 0.99994
 Residual Std. Dev.: 0.00429
 Formula: $y = mx + b$
 m: 1.95714
 b: -1.13067e-2
 x: Amount Ratio
 y: Area Ratio

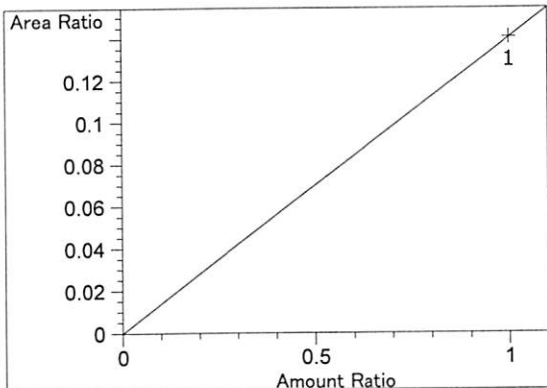


acetone at exp. RT: 4.308
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.37041e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

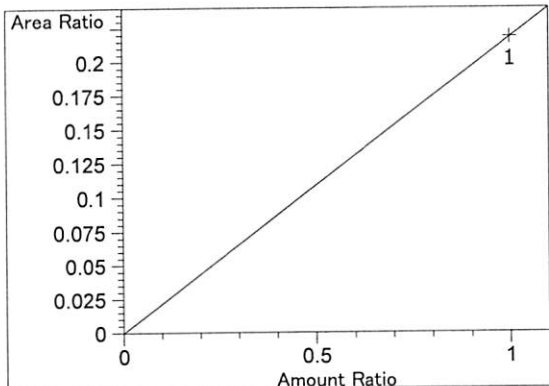
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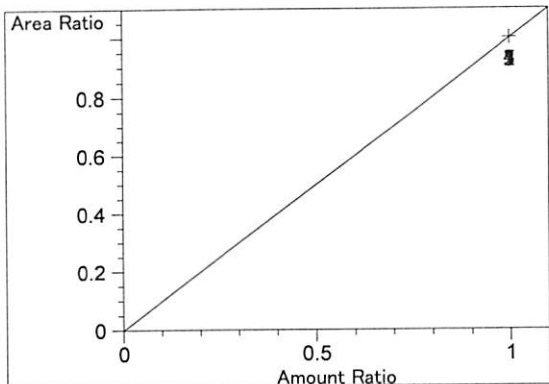
n-propanol at exp. RT: 4.620
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio



acetone at exp. RT: 4.661
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.40500e-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: 2.18229e-1
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

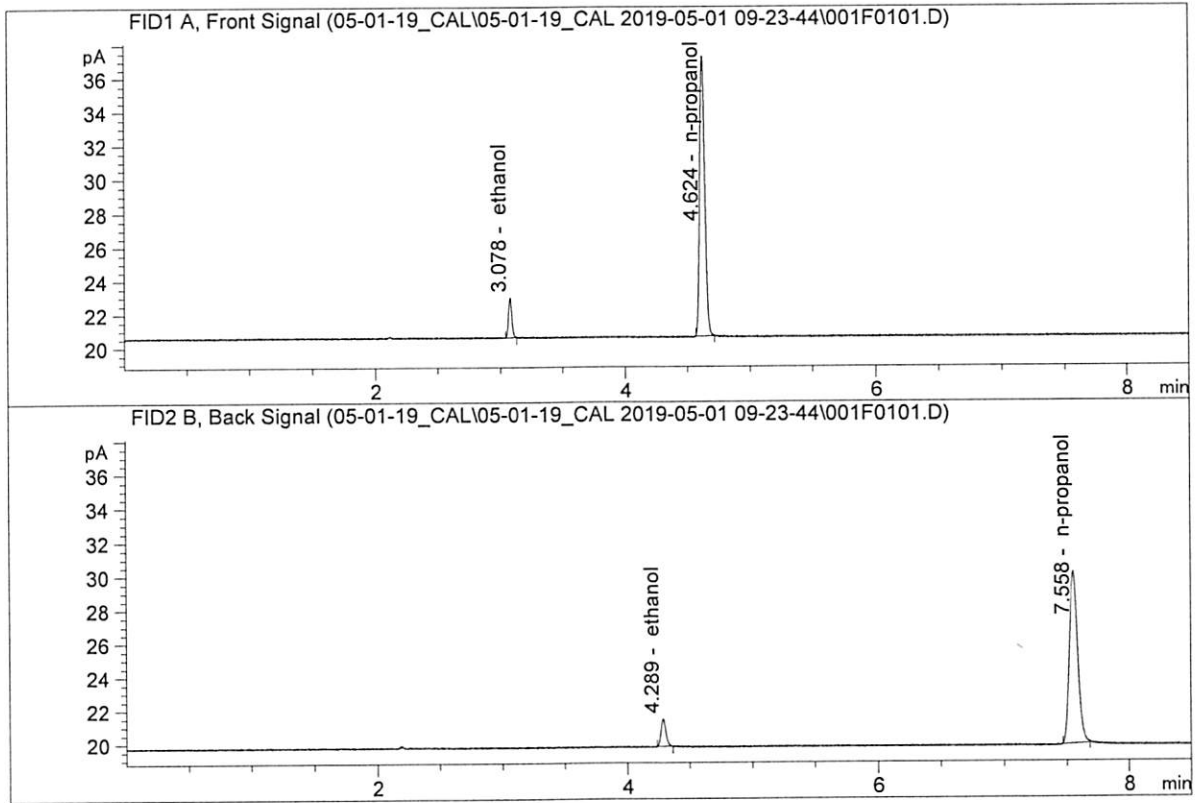


n-propanol at exp. RT: 7.550
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx + b$
 m: 1.00000
 b: 0.00000
 x: Amount Ratio
 y: Area Ratio

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050 FN04271601
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

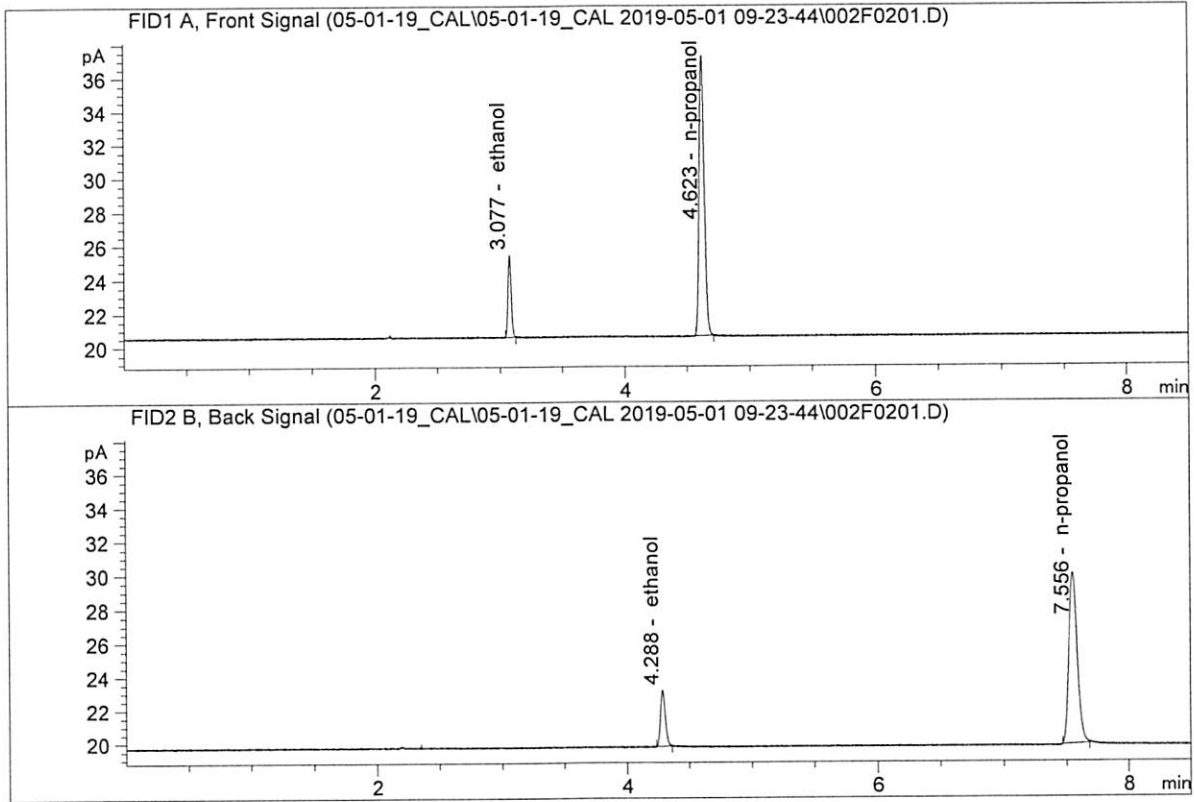


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	4.41458	0.0503	g/100cc
2.	Ethanol	Column 2:	4.45179	0.0521	g/100cc
3.	n-Propanol	Column 1:	47.42672	1.0000	g/100cc
4.	n-Propanol	Column 2:	49.06056	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100 FN08101601
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

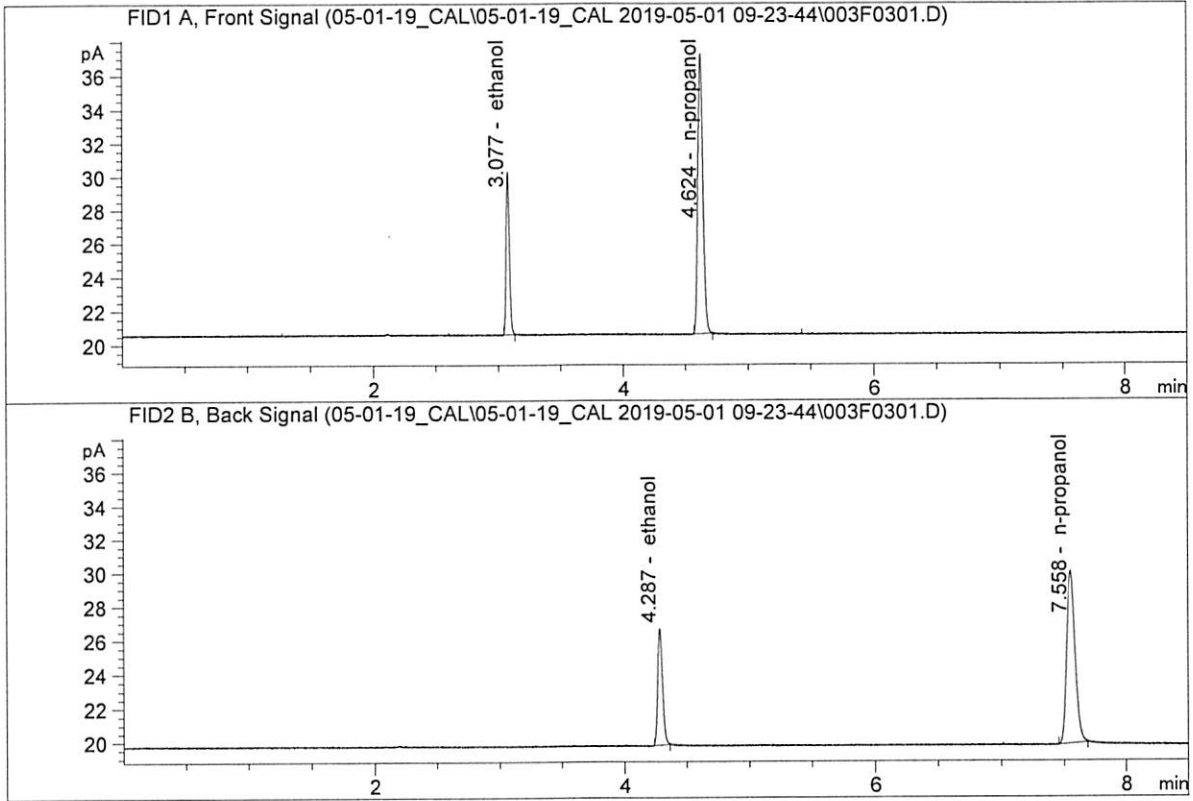


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.80713	0.0998	g/100cc
2.	Ethanol	Column 2:	8.96959	0.1000	g/100cc
3.	n-Propanol	Column 1:	47.30640	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.61694	1.0000	g/100cc

Handwritten signature/initials

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200 FN03301601
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

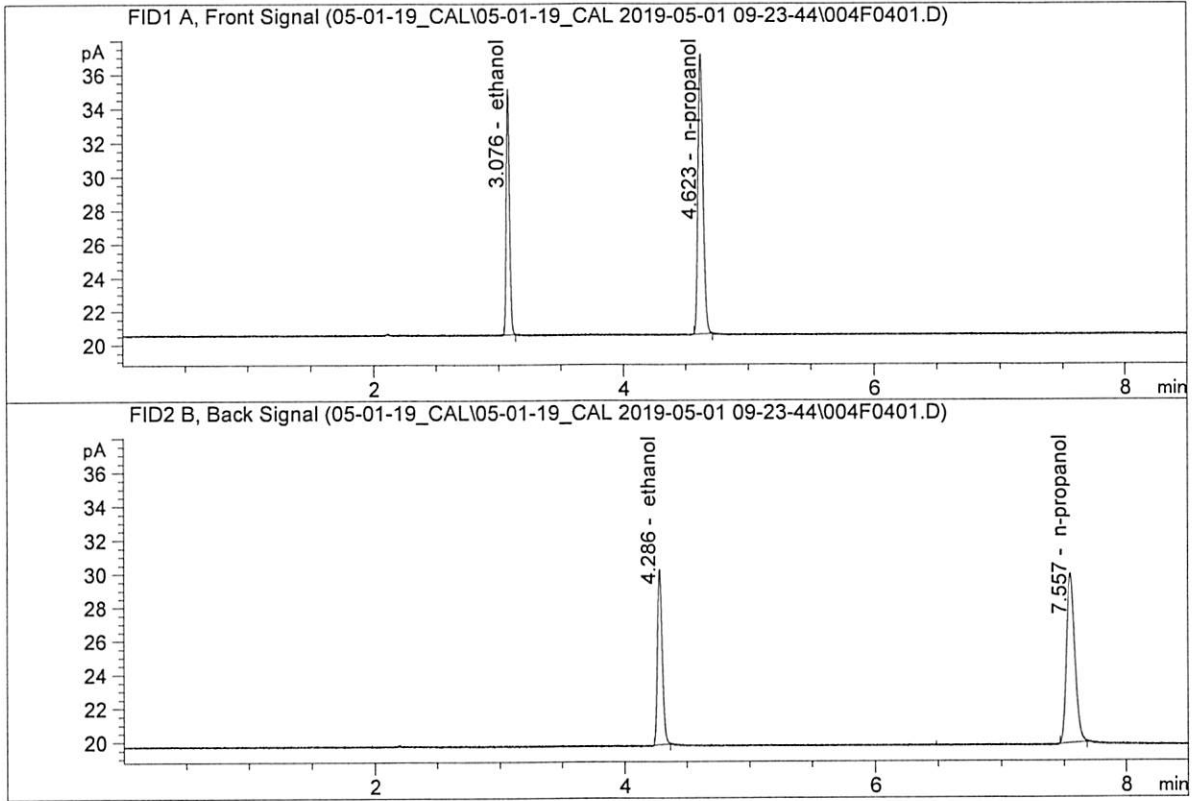


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.69654	0.1996	g/100cc
2.	Ethanol	Column 2:	18.26976	0.1974	g/100cc
3.	n-Propanol	Column 1:	47.35352	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.72375	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 FN02121601
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

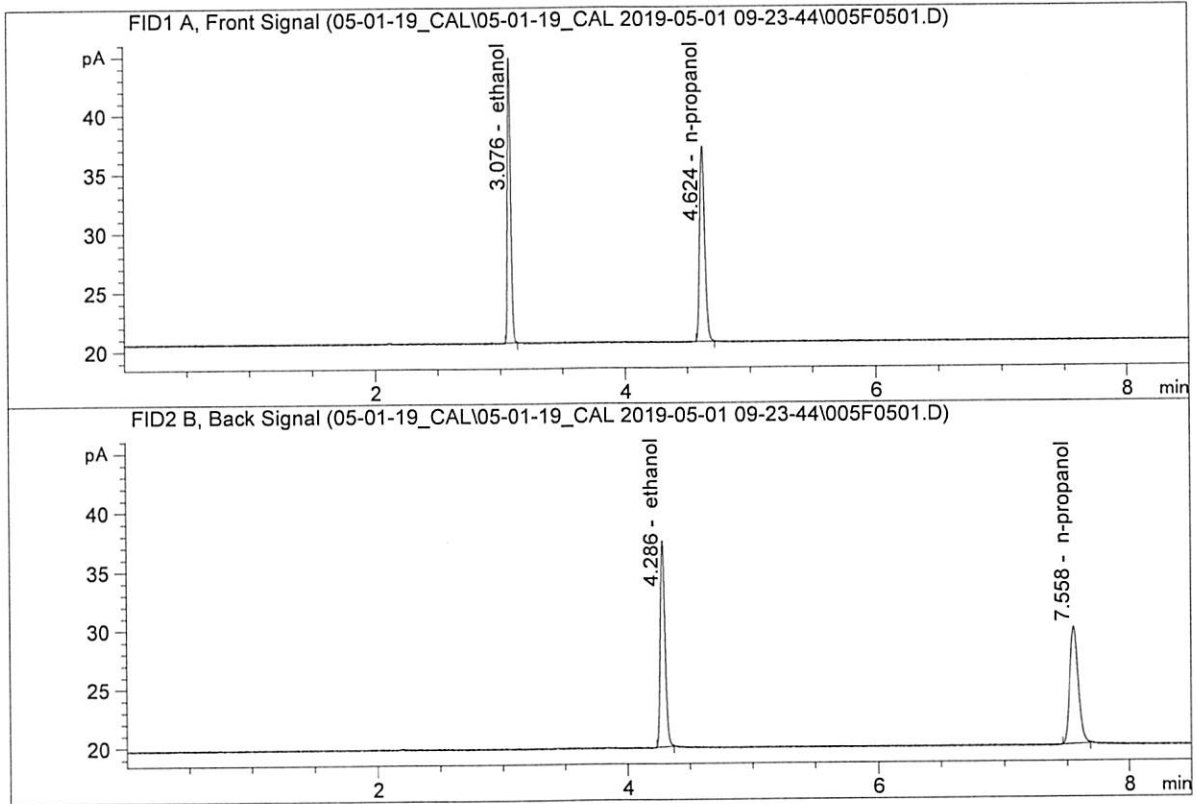


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.57748	0.3004	g/100cc
2.	Ethanol	Column 2:	27.59874	0.2990	g/100cc
3.	n-Propanol	Column 1:	47.18001	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.08435	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 FN08031602
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

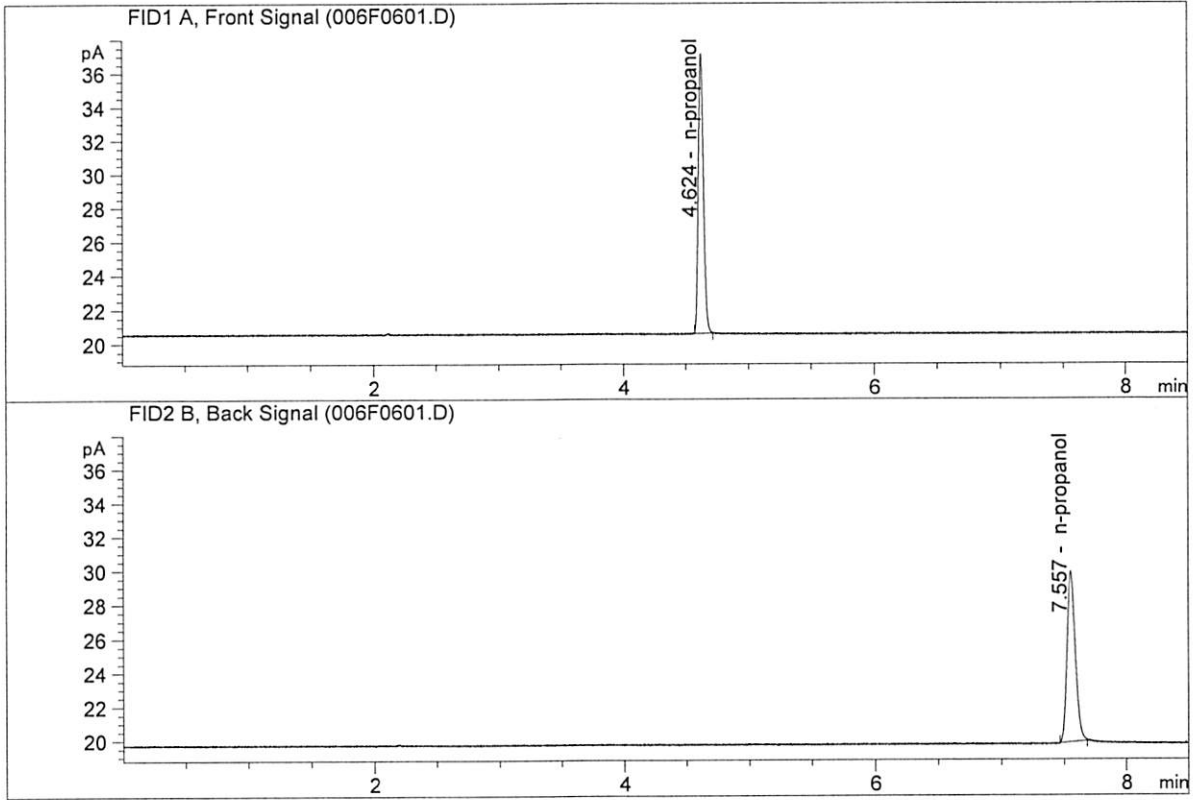


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.13723	0.4999	g/100cc
2.	Ethanol	Column 2:	46.35536	0.5014	g/100cc
3.	n-Propanol	Column 1:	47.02999	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.78846	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD BLANK
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	47.10583	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.77731	1.0000	g/100cc

Handwritten signature/initials in blue ink.

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

Sequence table: C:\Chem32\1\Data\05-01-19_CAL\05-01-19_CAL 2019-05-01 09-23-44\05-01-19_CAL.S
 Data directory path: C:\Chem32\1\Data\05-01-19_CAL\05-01-19_CAL 2019-05-01 09-23-44\
 Logbook: C:\Chem32\1\Data\05-01-19_CAL\05-01-19_CAL 2019-05-01 09-23-44\05-01-19_CAL.LOG
 Sequence start: 5/1/2019 9:38:22 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

Method file name: C:\Chem32\1\Data\05-01-19_CAL\05-01-19_CAL 2019-05-01 09-23-44\ALCOHOL.M

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

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 01 May 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0839	0.0855	0.0016	0.0847	0.0829	
(g/100cc)	0.0809	0.0813	0.0004	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: ML600HC11378

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

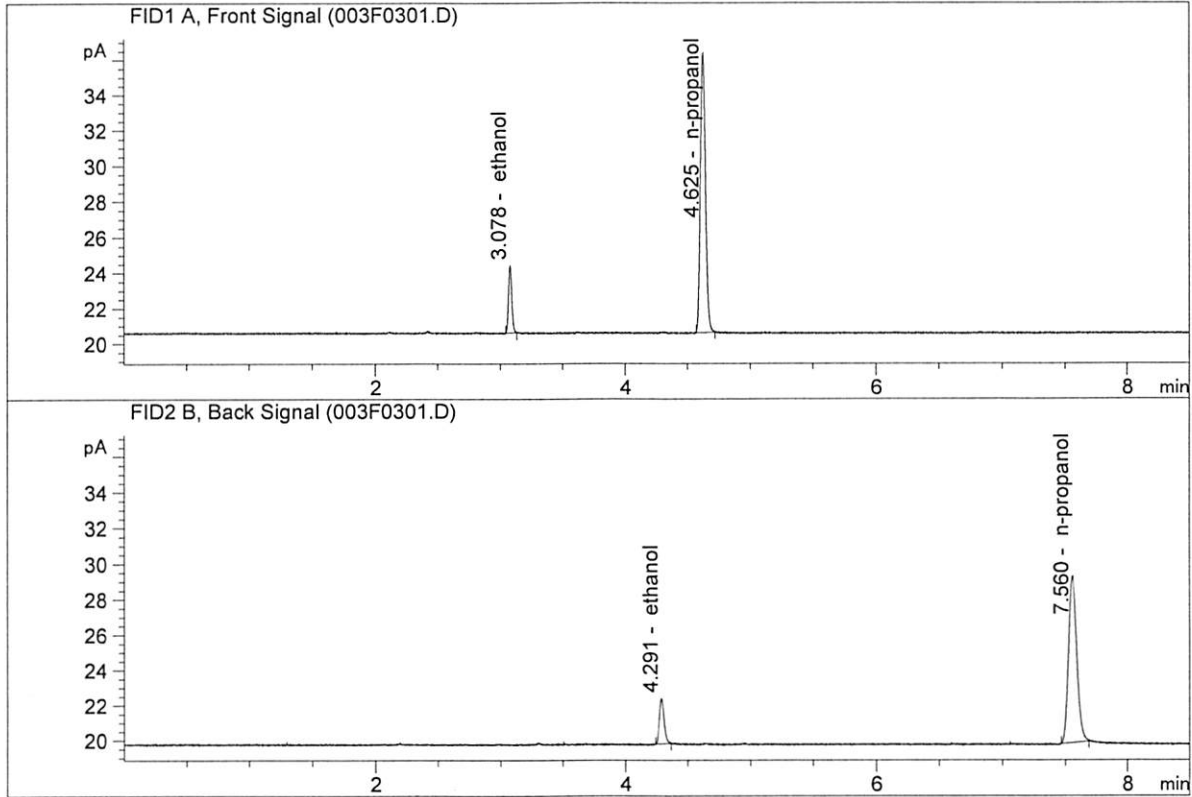
	Reported Result	
	0.082	

Calibration and control data are stored centrally.



ISP Forensic Services Blood Alcohol Report

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

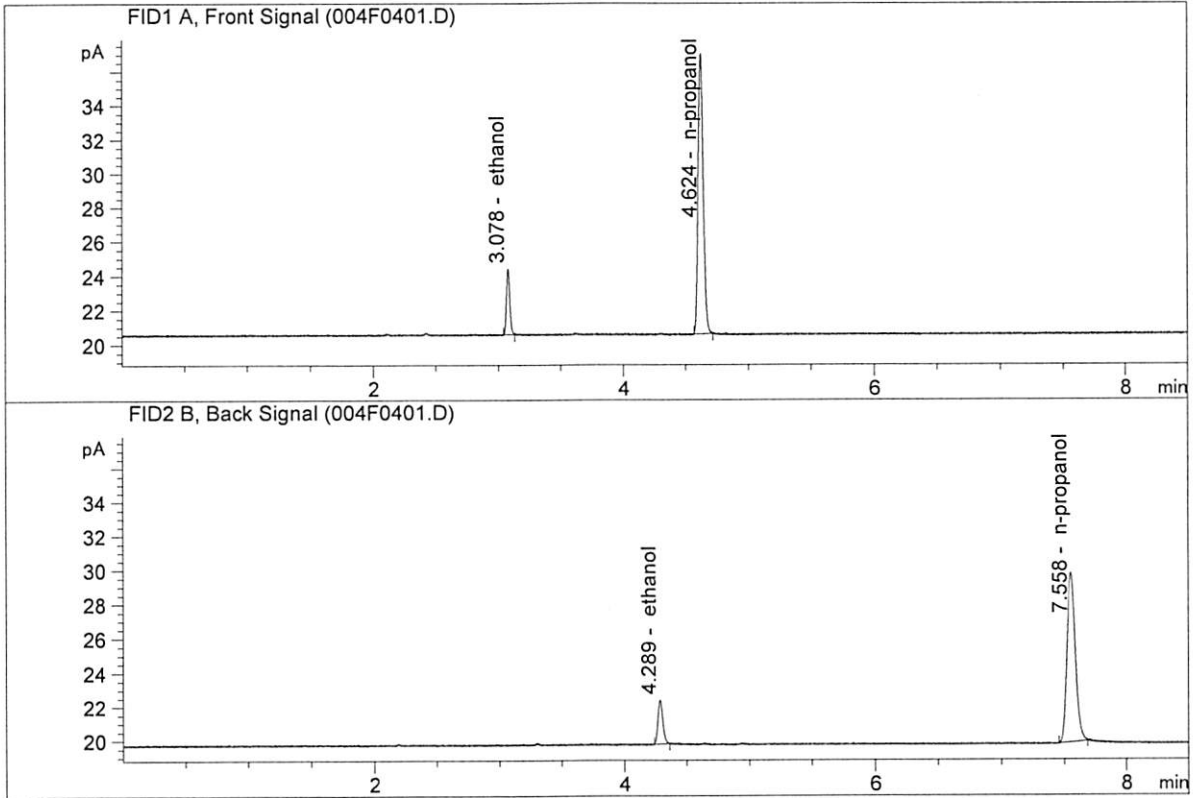


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.98165	0.0839	g/100cc
2.	Ethanol	Column 2:	7.06241	0.0855	g/100cc
3.	n-Propanol	Column 1:	44.68543	1.0000	g/100cc
4.	n-Propanol	Column 2:	45.26860	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.04629	0.0809	g/100cc
2.	Ethanol	Column 2:	7.05535	0.0813	g/100cc
3.	n-Propanol	Column 1:	46.79744	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.70426	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 01 May 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0840	0.0859	0.0019	0.0849	0.0843	
(g/100cc)	0.0829	0.0844	0.0015	0.0836		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.084	0.079	0.089	0.005

	Reported Result	
	0.084	

Calibration and control data are stored centrally.

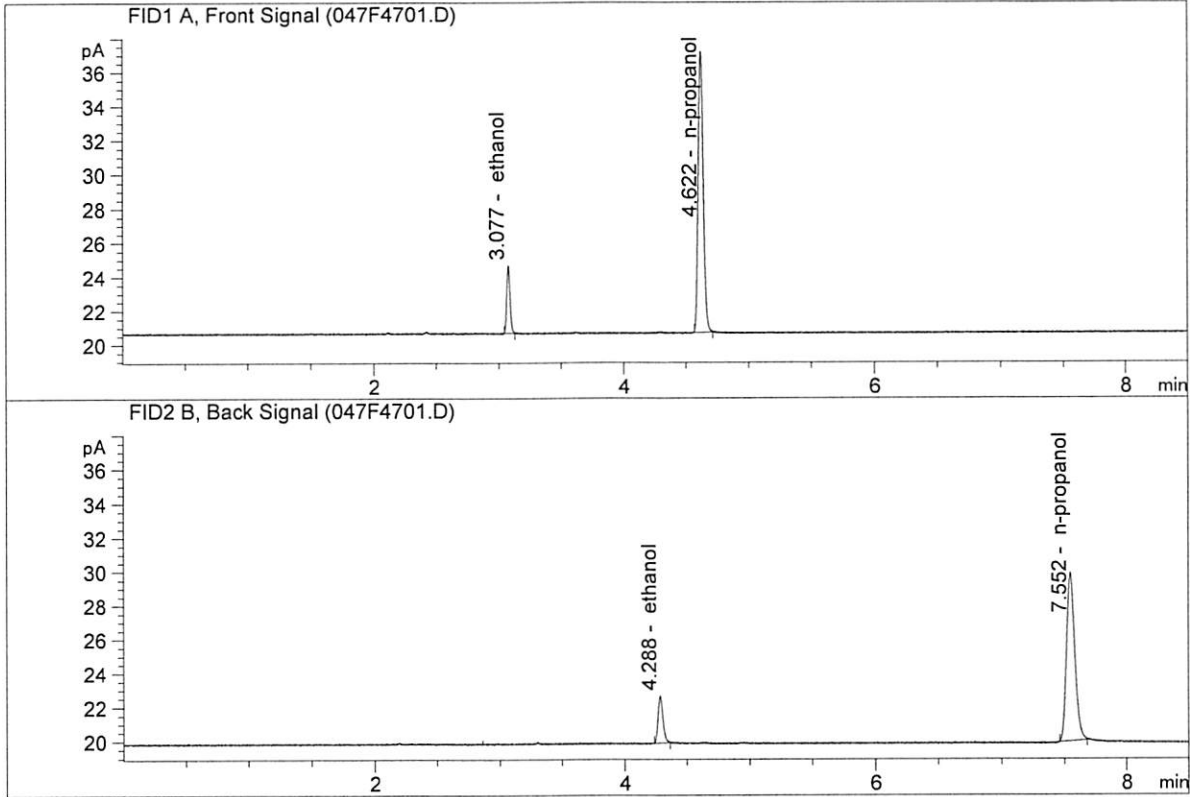
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

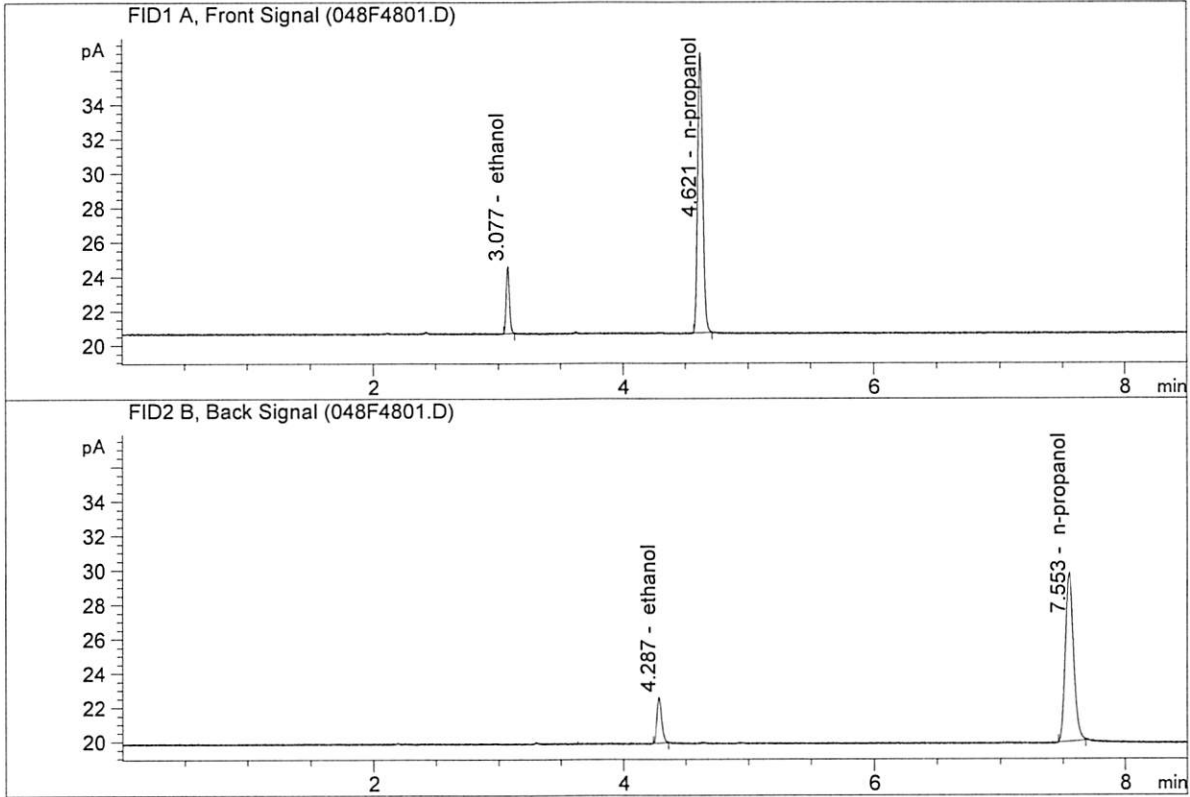


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.32995	0.0840	g/100cc
2.	Ethanol	Column 2:	7.44640	0.0859	g/100cc
3.	n-Propanol	Column 1:	46.83029	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.51250	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.16015	0.0829	g/100cc
2.	Ethanol	Column 2:	7.24143	0.0844	g/100cc
3.	n-Propanol	Column 1:	46.38511	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.06306	1.0000	g/100cc

NB

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 01 May 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2069	0.2075	0.0006	0.2072	0.2073	
(g/100cc)	0.2077	0.2073	0.0004	0.2075		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

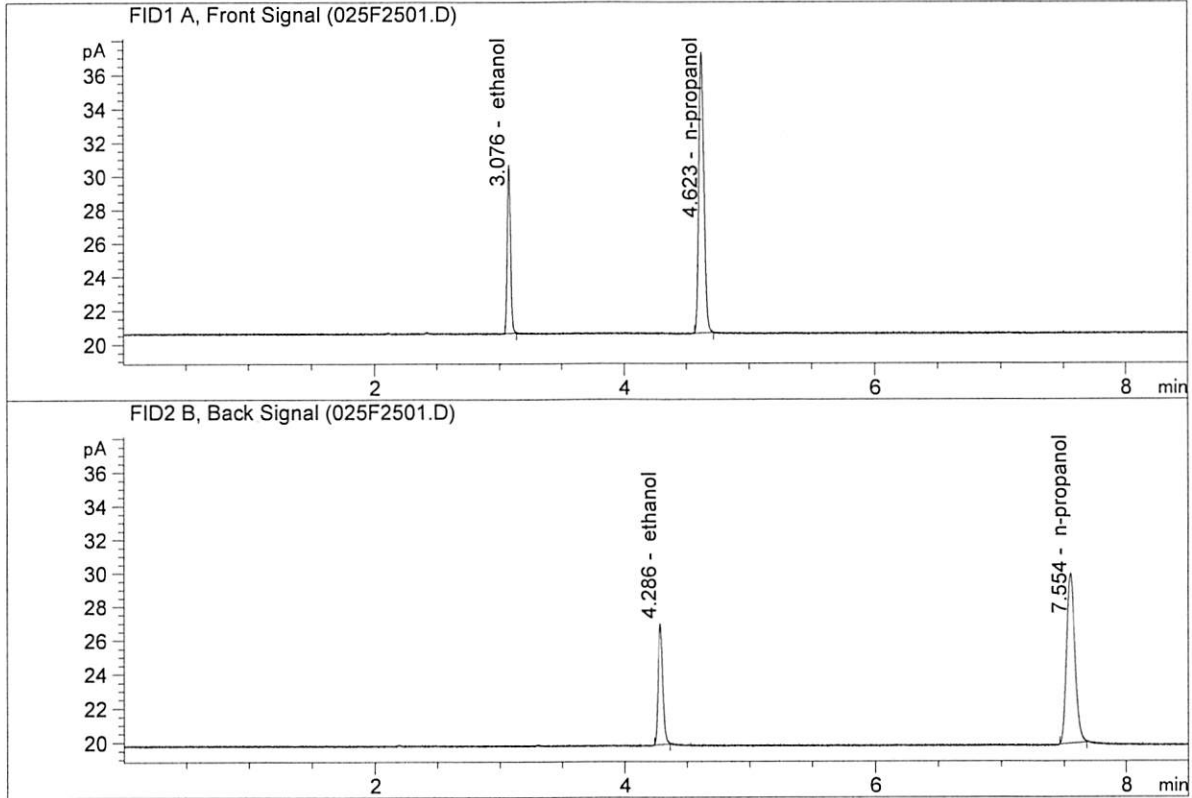
Overall Mean (g/100cc)	Low	High	5% of Mean
0.207	0.196	0.218	0.011

	Reported Result	
	0.207	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

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

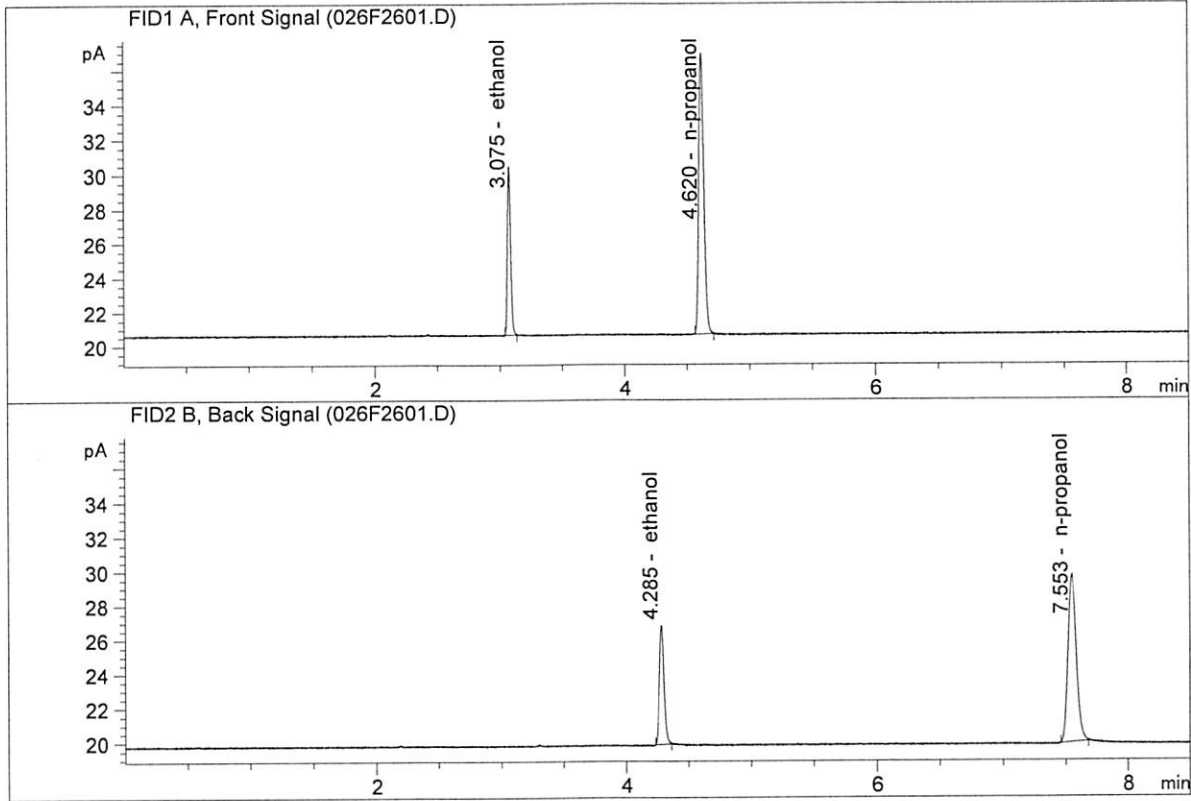


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.31072	0.2069	g/100cc
2.	Ethanol	Column 2:	18.90361	0.2075	g/100cc
3.	n-Propanol	Column 1:	47.24316	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.88654	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.96062	0.2077	g/100cc
2.	Ethanol	Column 2:	18.50569	0.2073	g/100cc
3.	n-Propanol	Column 1:	46.16594	1.0000	g/100cc
4.	n-Propanol	Column 2:	46.91677	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 Analysis Date(s): 01 May 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.2119	0.2123	0.0004	0.2121	0.2111
(g/100cc)	0.2100	0.2105	0.0005	0.2102	

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

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

Reporting of Results

Overall Mean (g/100cc)	Low	High	5% of Mean
0.211	0.200	0.222	0.011

Reported Result

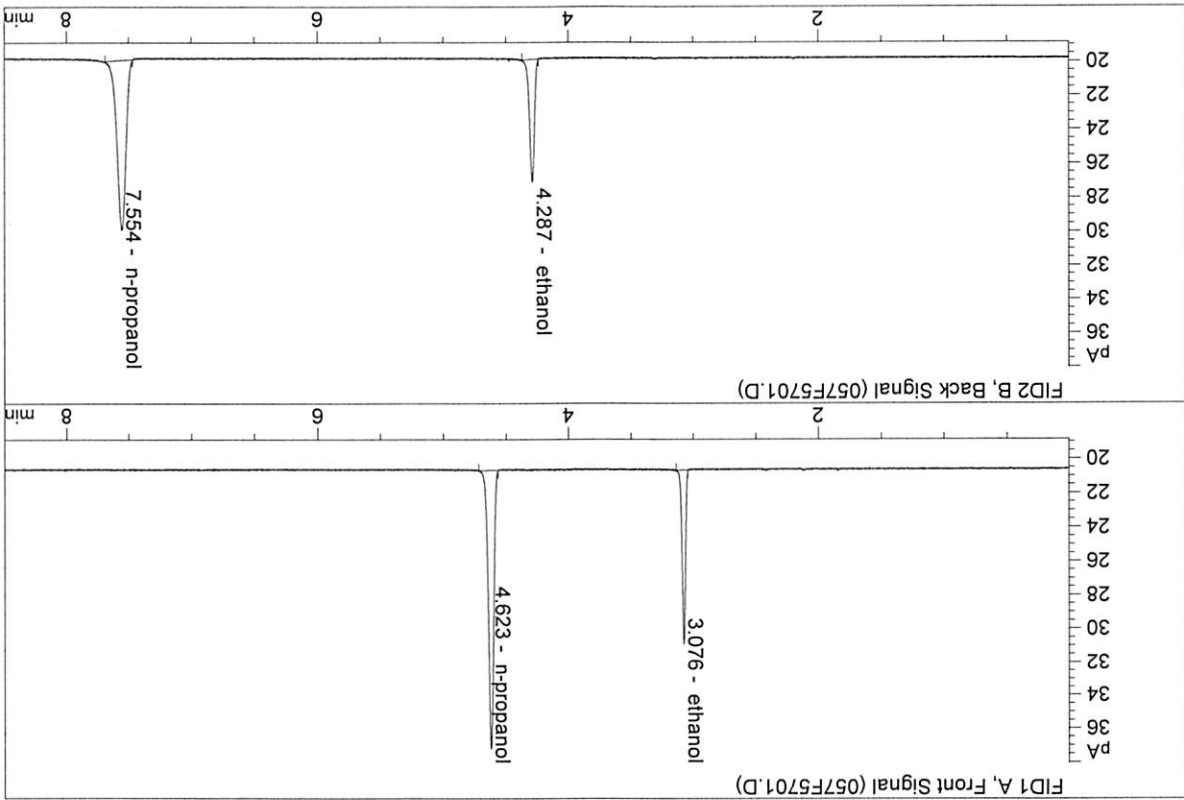
0.211

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN1180014-CN11041167

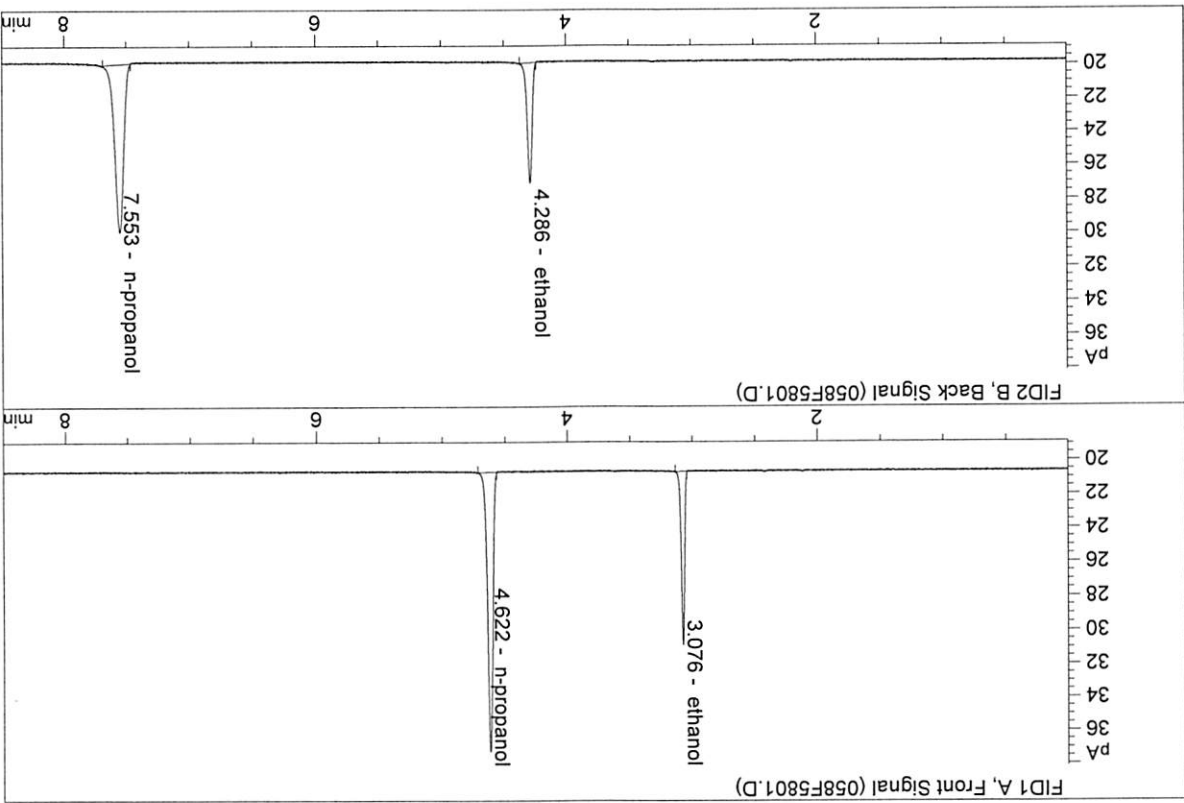


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.64699	0.2119	g/100cc
2.	Ethanol	Column 2:	19.22029	0.2123	g/100cc
3.	n-Propanol	Column 1:	46.98917	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.55619	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN1180014-CN11041167



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.59052	0.2100	g/100cc
2.	Ethanol	Column 2:	19.20312	0.2105	g/100cc
3.	n-Propanol	Column 1:	47.26920	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.93151	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701

Analysis Date(s): 01 May 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0797	0.0805	0.0008	0.0801	0.0802	
(g/100cc)	0.0799	0.0808	0.0009	0.0803		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information

Instrument method is stored centrally.

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

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

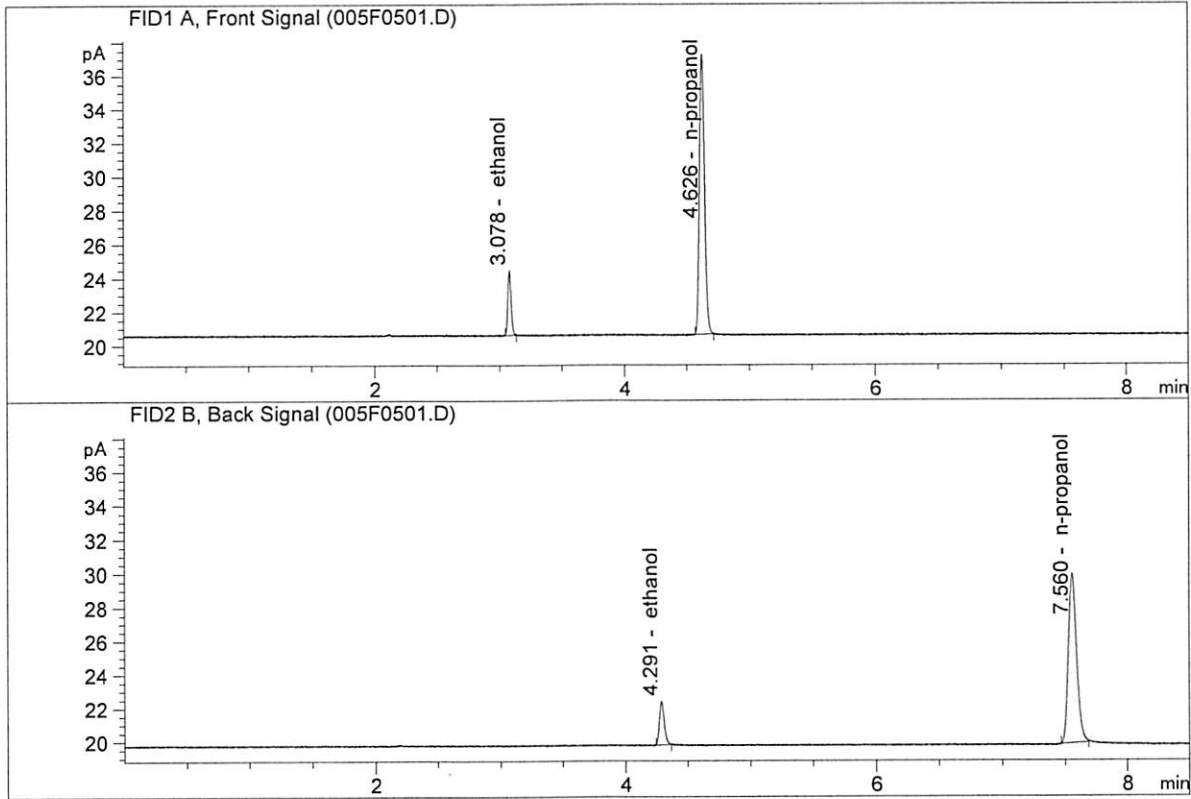
	Reported Result	
	0.080	

Calibration and control data are stored centrally.

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

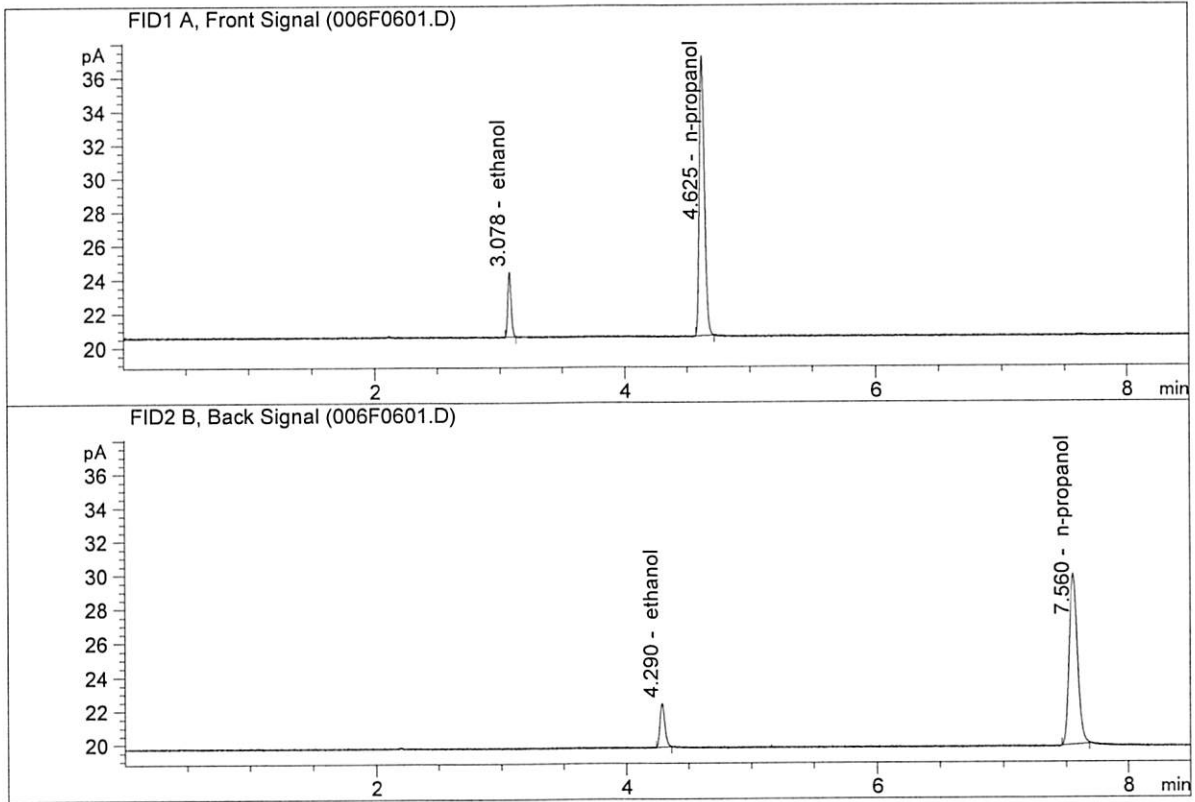


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01966	0.0797	g/100cc
2.	Ethanol	Column 2:	7.04262	0.0805	g/100cc
3.	n-Propanol	Column 1:	47.31526	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.12620	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

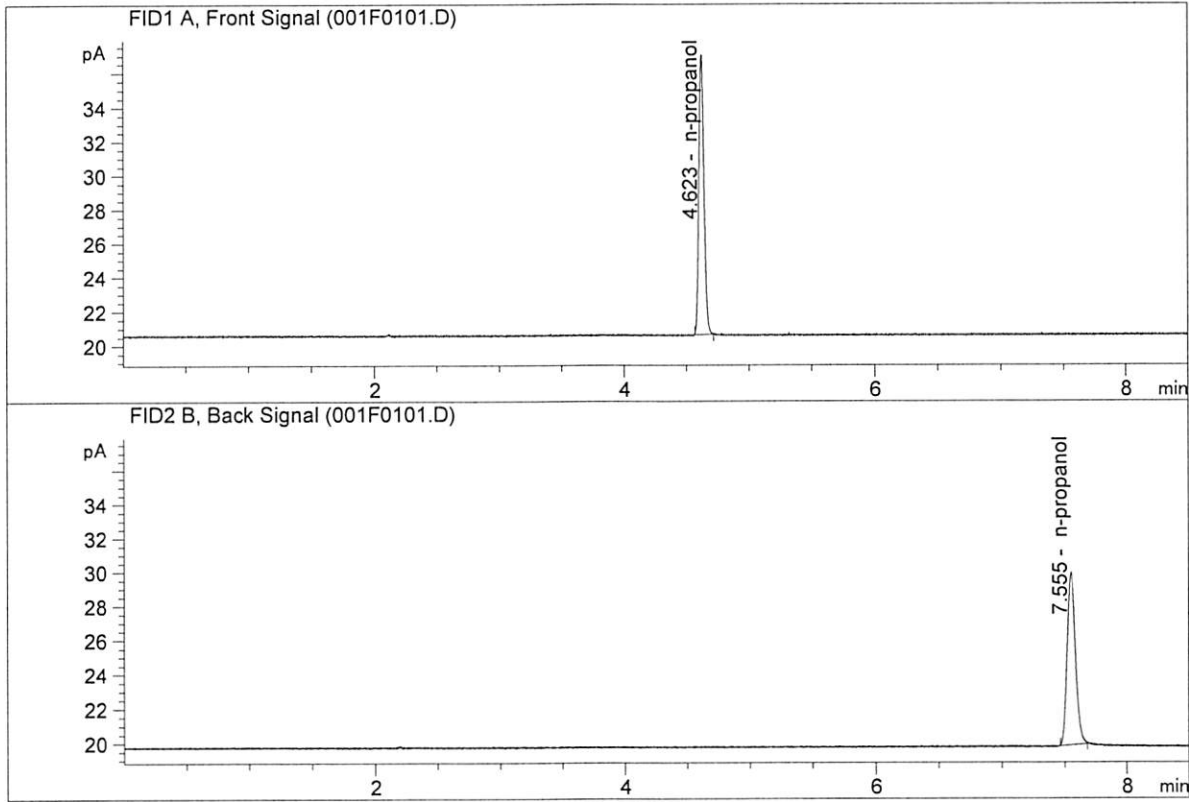


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	7.01562	0.0799	g/100cc
2.	Ethanol	Column 2:	7.05508	0.0808	g/100cc
3.	n-Propanol	Column 1:	47.15938	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.02187	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

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

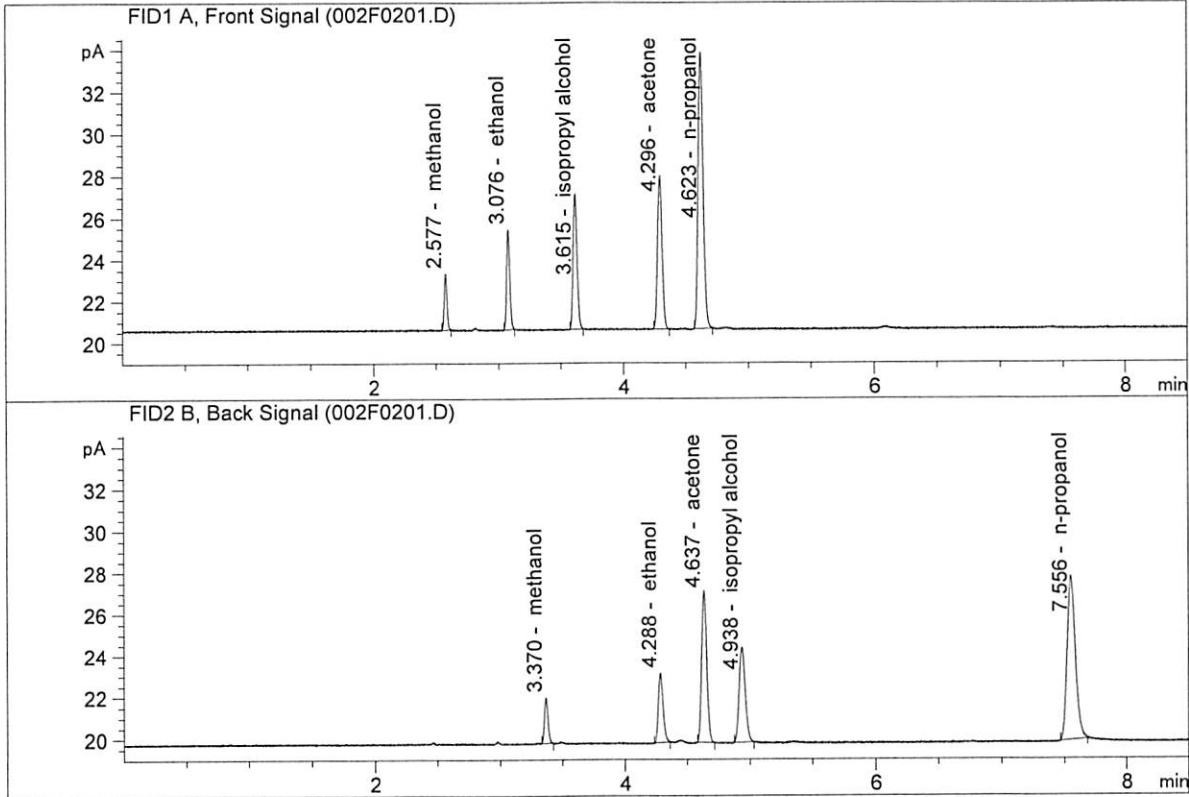


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	46.76160	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.97335	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : MIX VOL FN06041502
 Laboratory : Meridian
 Injection Date : May 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN11180014-CN11041167

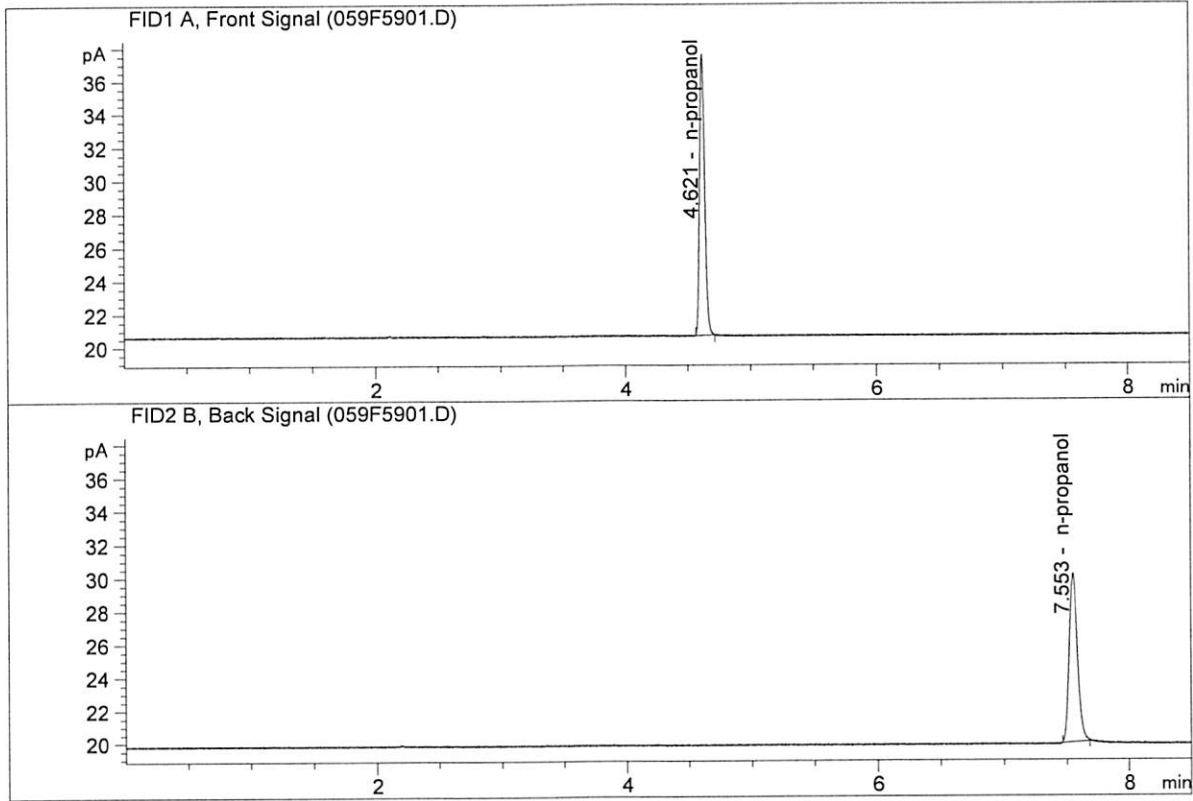


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.57336	0.1234	g/100cc
2.	Ethanol	Column 2:	8.73153	0.1248	g/100cc
3.	n-Propanol	Column 1:	37.17845	1.0000	g/100cc
4.	n-Propanol	Column 2:	37.49408	1.0000	g/100cc

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or

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	47.88547	1.0000	g/100cc
4.	n-Propanol	Column 2:	48.65217	1.0000	g/100cc

MB

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

Sequence table: C:\Chem32\1\Data\01-30-19_SAMPLES\05-01-19_SAMPLES 2019-05-01 11-23-51\05-01-19_SAMPLES.S
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 Logbook: C:\Chem32\1\Data\01-30-19_SAMPLES\05-01-19_SAMPLES 2019-05-01 11-23-51\05-01-19_SAMPLES.LOG
 Sequence start: 5/1/2019 11:38:39 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

Method file name: C:\Chem32\1\Data\01-30-19_SAMPLES\05-01-19_SAMPLES 2019-05-01 11-23-51\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	INTERNAL STD BLK	-	1.0000	001F0101.D		2
2	2	1	MIX VOL FN060415	-	1.0000	002F0201.D		10
3	3	1	QC1-1-A	-	1.0000	003F0301.D		4
4	4	1	QC1-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN04171701-	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	M2019-1833-2-A	-	1.0000	007F0701.D		4
8	8	1	M2019-1833-2-B	-	1.0000	008F0801.D		4
9	9	1	M2019-1843-1-A	-	1.0000	009F0901.D		4
10	10	1	M2019-1843-1-B	-	1.0000	010F1001.D		4
11	11	1	M2019-1844-1-A	-	1.0000	011F1101.D		4
12	12	1	M2019-1844-1-B	-	1.0000	012F1201.D		4
13	13	1	M2019-1862-1-A	-	1.0000	013F1301.D		4
14	14	1	M2019-1862-1-B	-	1.0000	014F1401.D		4
15	15	1	M2019-1873-1-A	-	1.0000	015F1501.D		4
16	16	1	M2019-1873-1-B	-	1.0000	016F1601.D		4
17	17	1	M2019-1902-1-A	-	1.0000	017F1701.D		4
18	18	1	M2019-1902-1-B	-	1.0000	018F1801.D		4
19	19	1	M2019-1939-1-A	-	1.0000	019F1901.D		2
20	20	1	M2019-1939-1-B	-	1.0000	020F2001.D		2
21	21	1	M2019-1940-1-A	-	1.0000	021F2101.D		4
22	22	1	M2019-1940-1-B	-	1.0000	022F2201.D		4
23	23	1	M2019-1946-1-A	-	1.0000	023F2301.D		4
24	24	1	M2019-1946-1-B	-	1.0000	024F2401.D		4
25	25	1	QC2-1-A	-	1.0000	025F2501.D		4
26	26	1	QC2-1-B	-	1.0000	026F2601.D		4
27	27	1	M2019-1947-1-A	-	1.0000	027F2701.D		4
28	28	1	M2019-1947-1-B	-	1.0000	028F2801.D		4
29	29	1	M2019-1985-1-A	-	1.0000	029F2901.D		4
30	30	1	M2019-1985-1-B	-	1.0000	030F3001.D		4
31	31	1	M2019-1986-1-A	-	1.0000	031F3101.D		4
32	32	1	M2019-1986-1-B	-	1.0000	032F3201.D		4
33	33	1	M2019-1987-1-A	-	1.0000	033F3301.D		4
34	34	1	M2019-1987-1-B	-	1.0000	034F3401.D		4
35	35	1	M2019-1991-1-A	-	1.0000	035F3501.D		2
36	36	1	M2019-1991-1-B	-	1.0000	036F3601.D		2
37	37	1	M2019-1993-1-A	-	1.0000	037F3701.D		4
38	38	1	M2019-1993-1-B	-	1.0000	038F3801.D		4
39	39	1	M2019-2006-1-A	-	1.0000	039F3901.D		4
40	40	1	M2019-2006-1-B	-	1.0000	040F4001.D		4
41	41	1	M2019-2009-1-A	-	1.0000	041F4101.D		4
42	42	1	M2019-2009-1-B	-	1.0000	042F4201.D		4
43	43	1	M2019-2010-1-A	-	1.0000	043F4301.D		2

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
44	44	1	M2019-2010-1-B	-	1.0000	044F4401.D	2
45	45	1	M2019-2011-1-A	-	1.0000	045F4501.D	4
46	46	1	M2019-2011-1-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	M2019-2012-1-A	-	1.0000	049F4901.D	4
50	50	1	M2019-2012-1-B	-	1.0000	050F5001.D	4
51	51	1	M2019-2030-1-A	-	1.0000	051F5101.D	2
52	52	1	M2019-2030-1-B	-	1.0000	052F5201.D	2
53	53	1	M2019-2044-1-A	-	1.0000	053F5301.D	4
54	54	1	M2019-2044-1-B	-	1.0000	054F5401.D	4
55	55	1	P2019-1267-3-A	-	1.0000	055F5501.D	2
56	56	1	P2019-1267-3-B	-	1.0000	056F5601.D	2
57	57	1	QC2-2-A	-	1.0000	057F5701.D	4
58	58	1	QC2-2-B	-	1.0000	058F5801.D	4
59	59	1	INTERNAL STD BLK	-	1.0000	059F5901.D	2

Method file name: C:\Chem32\1\Data\01-30-19_SAMPLES\05-01-19_SAMPLES 2019-05-01 11-23-51 \SHUTDOWN.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
60	60	1	EMPTY	-	1.0000	060F6001.D	0