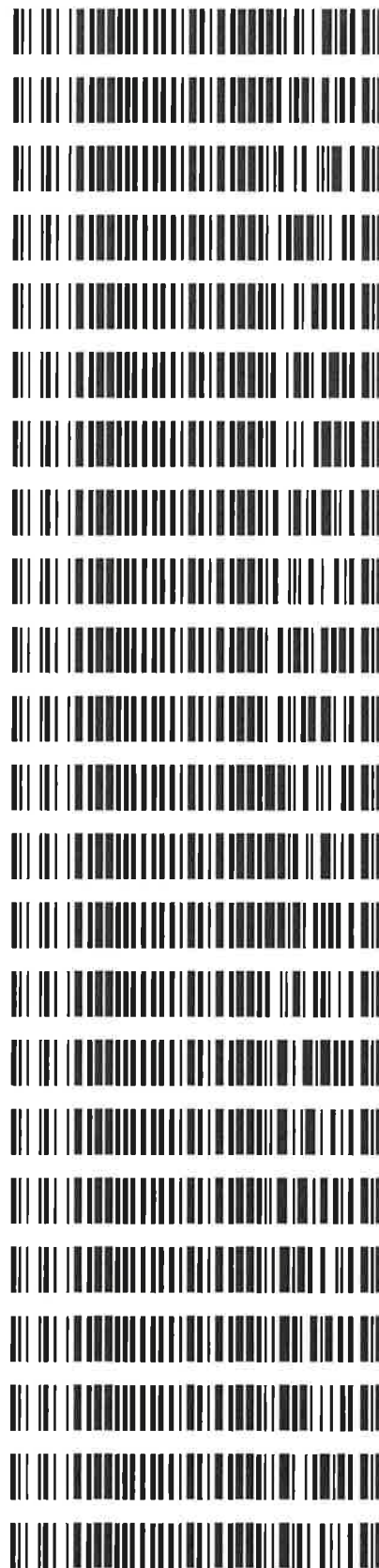


Worklist: 3552

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2019-1913	1	155272	Alcohol Analysis
P2019-1920	1	155457	Alcohol Analysis
P2019-1926	1	155593	Alcohol Analysis
P2019-1955	1	155791	Alcohol Analysis
P2019-1962	1	155898	Alcohol Analysis
P2019-1987	1	155941	Alcohol Analysis
P2019-1989	1	155948	Alcohol Analysis
P2019-1993	1	156088	Alcohol Analysis
P2019-1994	1	156092	Alcohol Analysis
P2019-2010	1	156262	Alcohol Analysis
P2019-2011	1	156263	Alcohol Analysis
P2019-2036	1	156444	Alcohol Analysis
P2019-2037	1	156445	Alcohol Analysis
P2019-2043	1	156454	Alcohol Analysis
P2019-2050	1	156512	Alcohol Analysis
P2019-2060	1	156717	Alcohol Analysis
P2019-2061	1	156718	Alcohol Analysis
P2019-2062	1	156719	Alcohol Analysis
P2019-2077	1	156792	Alcohol Analysis
P2019-2079	1	156797	Alcohol Analysis
P2019-2080	1	156803	Alcohol Analysis
P2019-2084	1	156813	Alcohol Analysis
P2019-2084	2	156817	Alcohol Analysis



Worklist: 3552

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
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YKC

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD96JF1032

Volatiles Quality Assurance Controls Run Date(s): 07/18/19

Calibration Curve Run Date: 07/17/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0745 g/100cc
					0.0780 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1955 g/100cc
					0.2008 g/100cc
					g/100cc
Multi-Component mixture:		Lot #	11918		
Curve Fit:		Column 1	1.00000	Column 2	0.99989

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	0.0470	0.0033	0.0486
100	0.100	0.090 - 0.110	0.1000	0.0955	0.0045	0.0977
200	0.200	0.180 - 0.220	0.2005	0.1954	0.0051	0.1979
300	0.300	0.270 - 0.330	0.2998	0.2970	0.0028	0.2984
500	0.500	0.450 - 0.550	0.4999	0.5048	0.0049	0.5023

Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.077 g/100cc

REVIEWED
By Jeremy Johnston at 10:20 am, Jul 21, 2019

=====
Calibration Table
=====

General Calibration Setting

Calib. Data Modified : Wednesday, July 17, 2019 12:55:33 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 : No recalibration if peaks missing

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

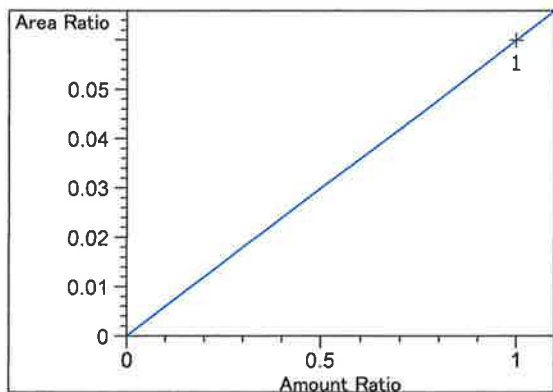
RC

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.311	2	1	1.00000	6.45200	1.54991e-1	No	No 2	Fluorinated ethane
2.365	1	1	1.00000	1.84105	5.43168e-1	No	No 1	Fluorinated ethane
2.685	1	1	1.00000	3.69669	2.70512e-1	No	No 1	Methanol
2.950	2	1	1.00000	11.54700	8.66026e-2	No	No 2	Acetaldehyde
2.975	1	1	1.00000	10.52400	9.50209e-2	No	No 1	Acetaldehyde
3.320	1	1	5.00000e-2	11.24552	4.44621e-3	No	No 1	Ethanol
		2	1.00000e-1	23.17593	4.31482e-3			
		3	2.00000e-1	47.58701	4.20283e-3			
		4	3.00000e-1	71.13099	4.21757e-3			
		5	5.00000e-1	119.44300	4.18610e-3			
3.372	2	1	1.00000	4.26062	2.34707e-1	No	No 2	Methanol
3.993	1	1	1.00000	9.73055	1.02769e-1	No	No 1	Isopropyl alcohol
4.317	2	1	5.00000e-2	9.89831	5.05137e-3	No	No 2	Ethanol
		2	1.00000e-1	20.86200	4.79341e-3			
		3	2.00000e-1	43.60284	4.58686e-3			
		4	3.00000e-1	65.93835	4.54970e-3			
		5	5.00000e-1	112.16538	4.45770e-3			
4.704	2	1	1.00000	6.89301	1.45075e-1	No	No 2	Acetone
4.853	1	1	1.00000	6.49940	1.53860e-1	No	No 1	Acetone
5.050	2	1	1.00000	10.70642	9.34019e-2	No	No 2	Isopropyl alcohol
5.264	1	1	1.00000	114.53136	8.73123e-3	No	Yes 1	n-Propanol
		2	1.00000	118.69321	8.42508e-3			
		3	1.00000	121.52397	8.22883e-3			
		4	1.00000	121.45603	8.23343e-3			
		5	1.00000	122.33713	8.17413e-3			
		6	1.00000	111.45872	8.97193e-3			
7.748	2	1	1.00000	107.67130	9.28753e-3	No	Yes 2	n-Propanol
		2	1.00000	111.68879	8.95345e-3			
		3	1.00000	114.04659	8.76835e-3			
		4	1.00000	113.44197	8.81508e-3			
		5	1.00000	113.54844	8.80681e-3			
		6	1.00000	113.50471	8.81021e-3			
11.631	2	1	1.00000	864.84247	1.15628e-3	No	No 2	Toluene
12.229	1	1	1.00000	918.48389	1.08875e-3	No	No 1	Toluene

Peak Sum Table

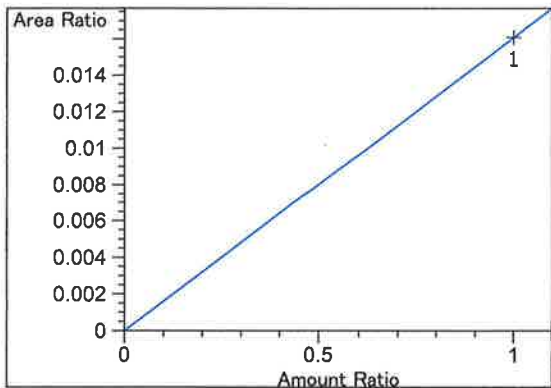
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Calibration Curves

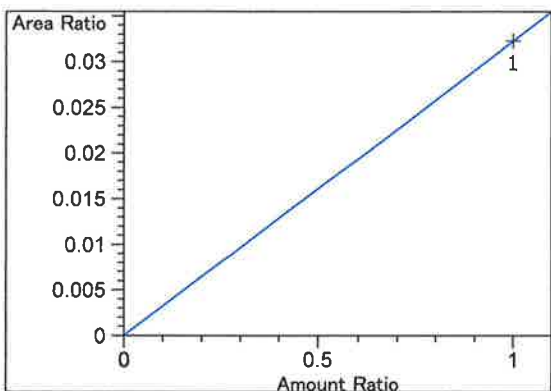


Fluorinated ethane at exp. RT: 2.311
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 5.99231e-2
 x: Amount Ratio
 y: Area Ratio

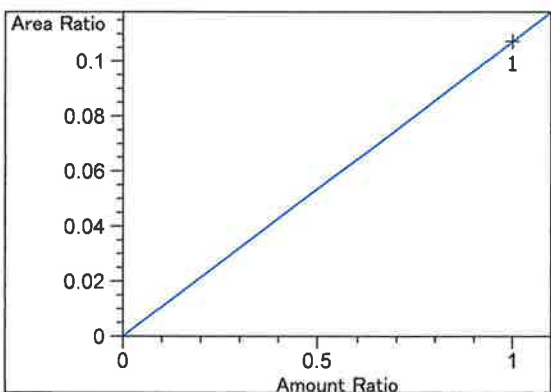
RC



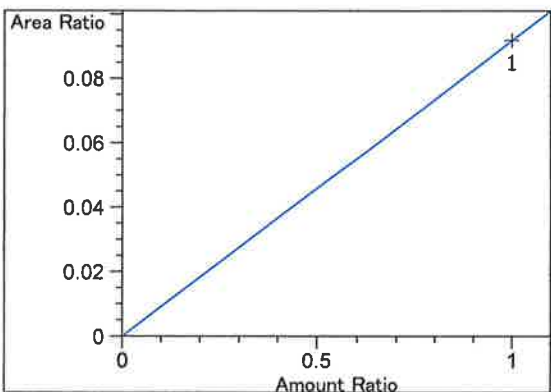
Fluorinated ethane at exp. RT: 2.365
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.60746e-2
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 2.685
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 3.22767e-2
 x: Amount Ratio
 y: Area Ratio

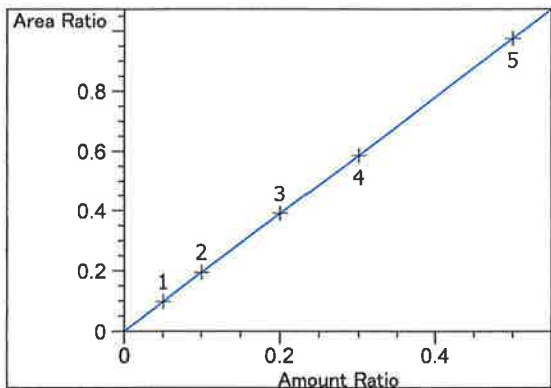


Acetaldehyde at exp. RT: 2.950
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.07243e-1
 x: Amount Ratio
 y: Area Ratio

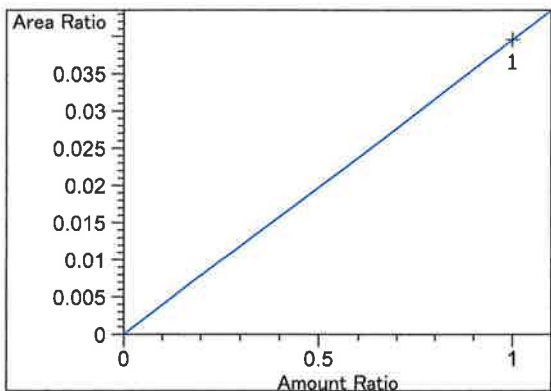


Acetaldehyde at exp. RT: 2.975
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 9.18875e-2
 x: Amount Ratio
 y: Area Ratio

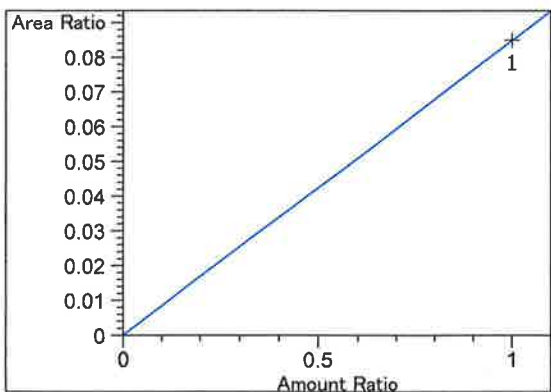
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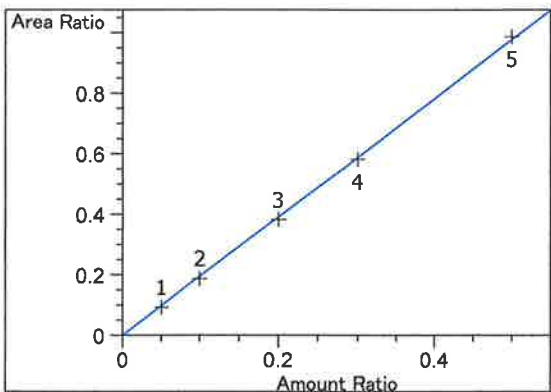
Ethanol at exp. RT: 3.320
 FID1 A, Front Signal
 Correlation: 1.00000 ✓
 Residual Std. Dev.: 0.00058
 Formula: $y = mx$
 m: 1.95317
 x: Amount Ratio
 y: Area Ratio



Methanol at exp. RT: 3.372
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 3.95707e-2
 x: Amount Ratio
 y: Area Ratio

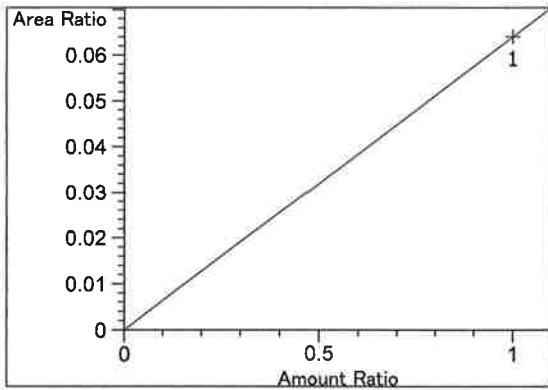


Isopropyl alcohol at exp. RT: 3.993
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 8.49597e-2
 x: Amount Ratio
 y: Area Ratio

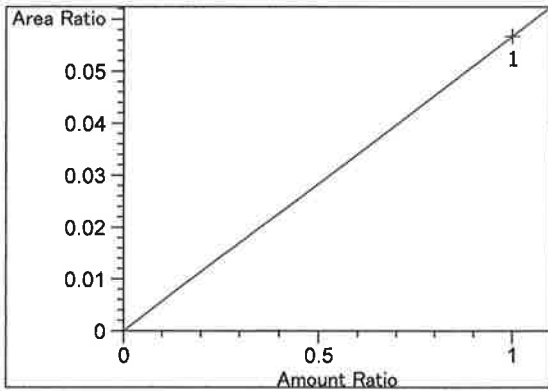


Ethanol at exp. RT: 4.317
 FID2 B, Back Signal
 Correlation: 0.99989 ✓
 Residual Std. Dev.: 0.00891
 Formula: $y = mx$
 m: 1.95675
 x: Amount Ratio
 y: Area Ratio

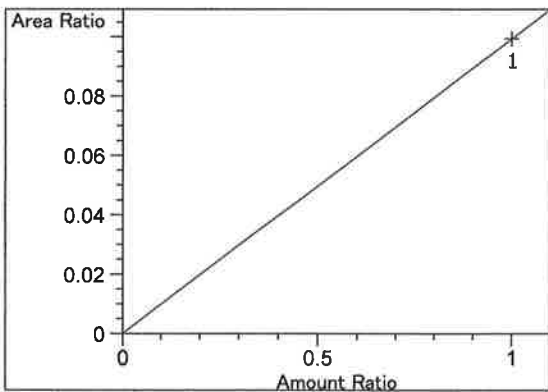
RC



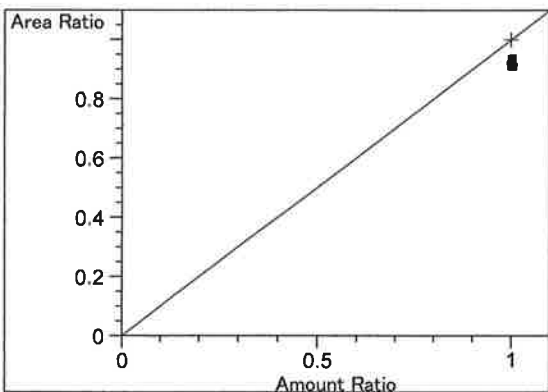
Acetone at exp. RT: 4.704
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $6.40190e-2$
 x: Amount Ratio
 y: Area Ratio



Acetone at exp. RT: 4.853
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $5.67478e-2$
 x: Amount Ratio
 y: Area Ratio

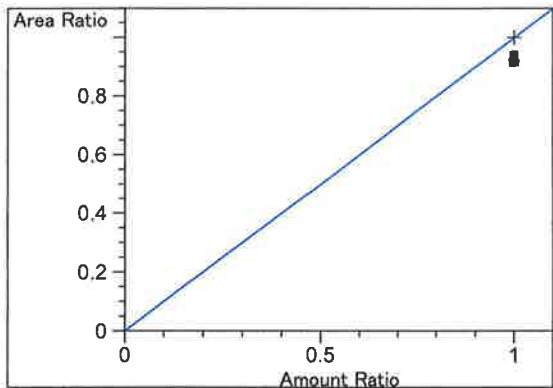


Isopropyl alcohol at exp. RT: 5.050
 FID2 B, Back Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: $9.94361e-2$
 x: Amount Ratio
 y: Area Ratio

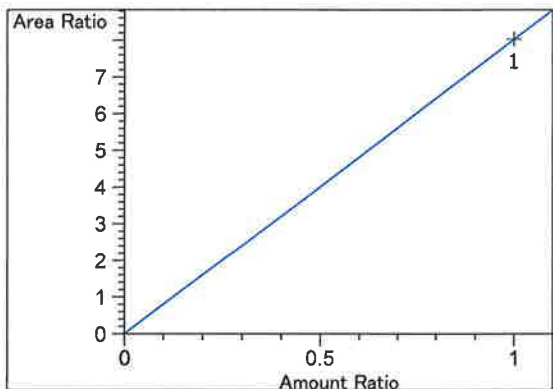


n-Propanol at exp. RT: 5.264
 FID1 A, Front Signal
 Correlation: 1.00000
 Residual Std. Dev.: 0.00000
 Formula: $y = mx$
 m: 1.00000
 x: Amount Ratio
 y: Area Ratio

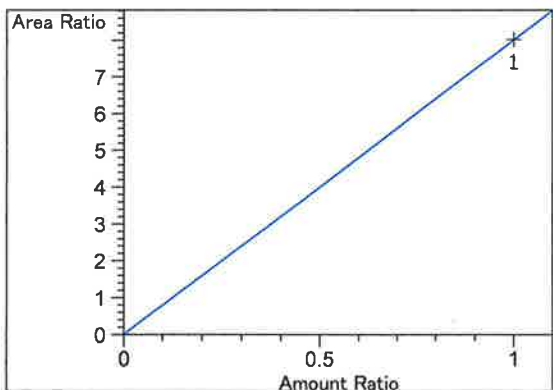
RC



n-Propanol at exp. RT: 7.748
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 1.00000
x: Amount Ratio
y: Area Ratio



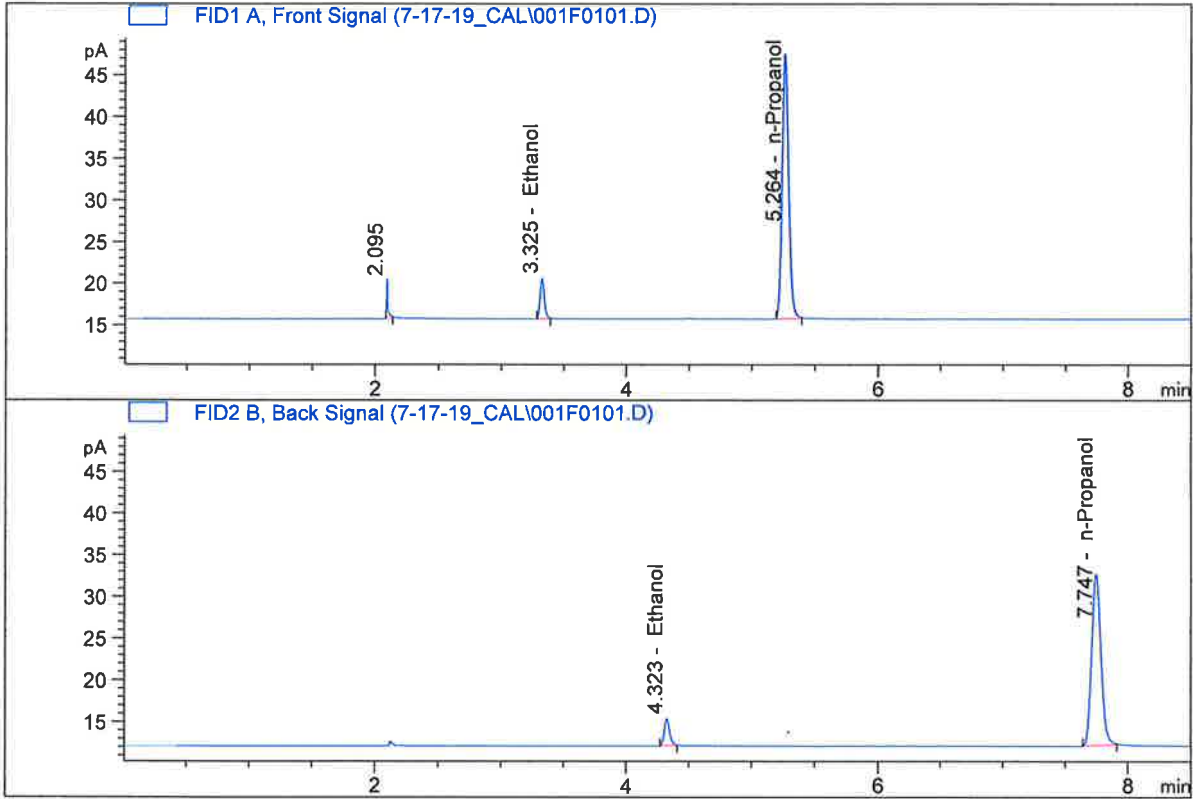
Toluene at exp. RT: 11.631
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 8.03225
x: Amount Ratio
y: Area Ratio



Toluene at exp. RT: 12.229
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx$
m: 8.01950
x: Amount Ratio
y: Area Ratio

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050
 Laboratory : Pocatello
 Injection Date : Jul 17, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010

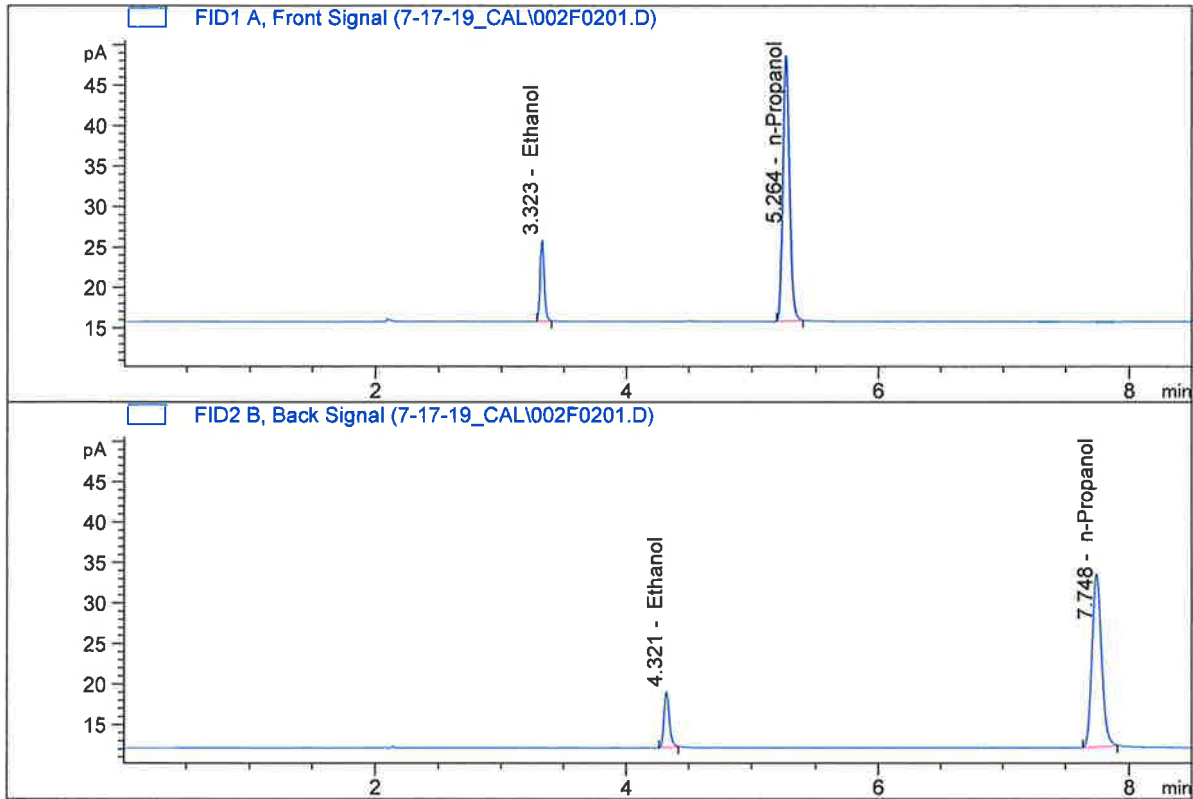


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.24552	0.0503	g/100cc
2.	Ethanol	Column 2:	9.89831	0.0470	g/100cc
3.	n-Propanol	Column 1:	114.53136	1.0000	g/100cc
4.	n-Propanol	Column 2:	107.67130	1.0000	g/100cc

RC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
 Laboratory : Pocatello
 Injection Date : Jul 17, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

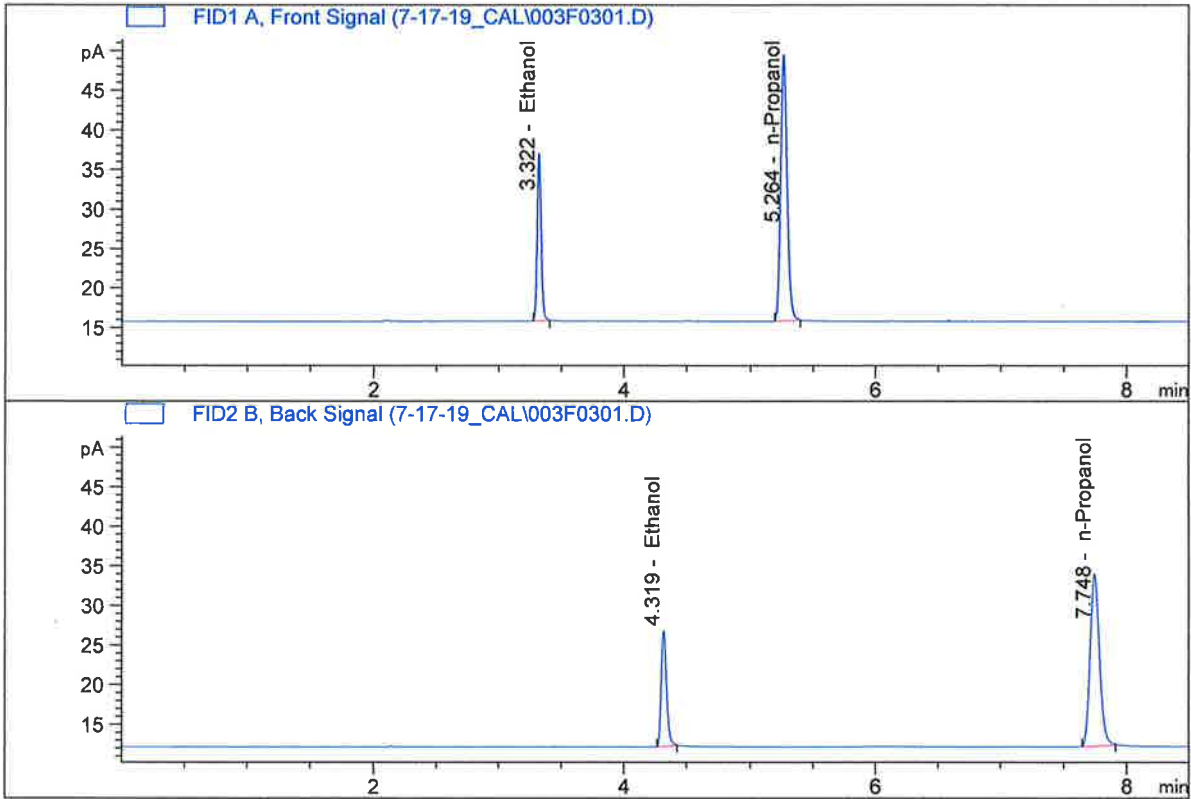


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	23.17593	0.1000	g/100cc
2.	Ethanol	Column 2:	20.86200	0.0955	g/100cc
3.	n-Propanol	Column 1:	118.69321	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.68879	1.0000	g/100cc

Handwritten signature/initials

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
 Laboratory : Pocatello
 Injection Date : Jul 17, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

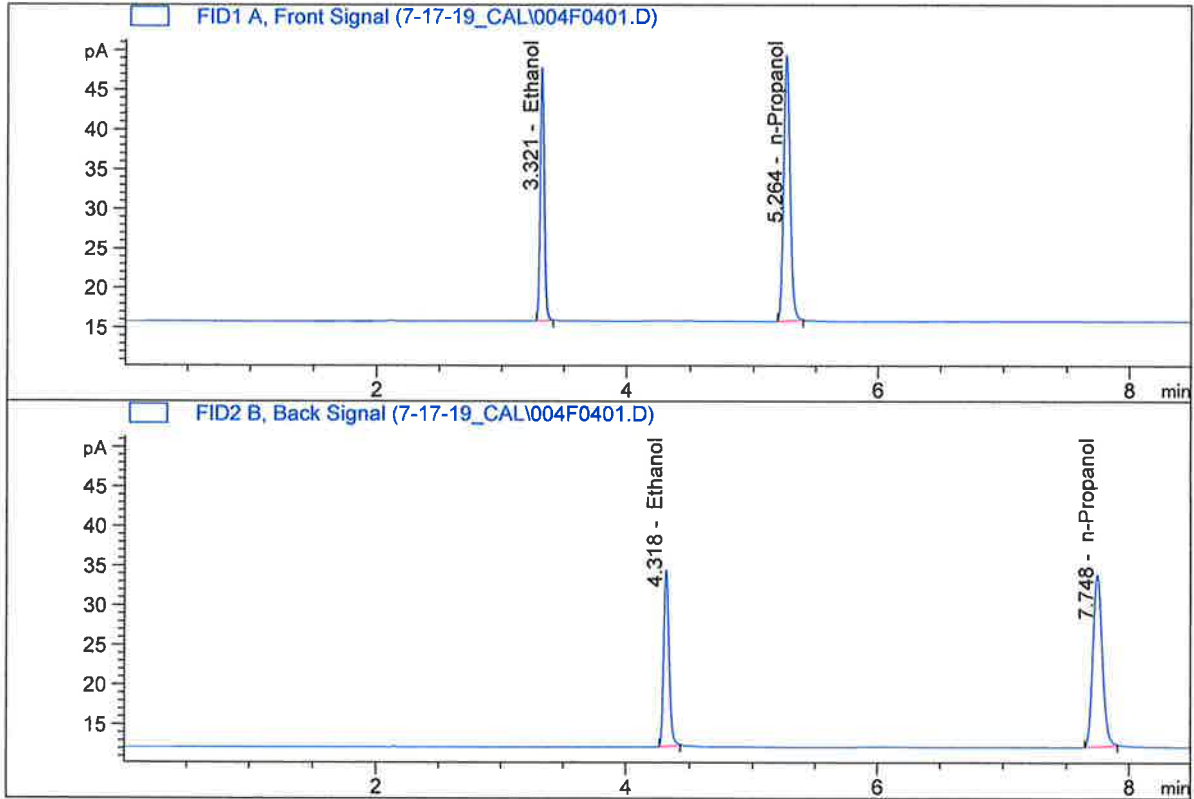


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	47.58701	0.2005	g/100cc
2.	Ethanol	Column 2:	43.60284	0.1954	g/100cc
3.	n-Propanol	Column 1:	121.52397	1.0000	g/100cc
4.	n-Propanol	Column 2:	114.04659	1.0000	g/100cc

pc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
 Laboratory : Pocatello
 Injection Date : Jul 17, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

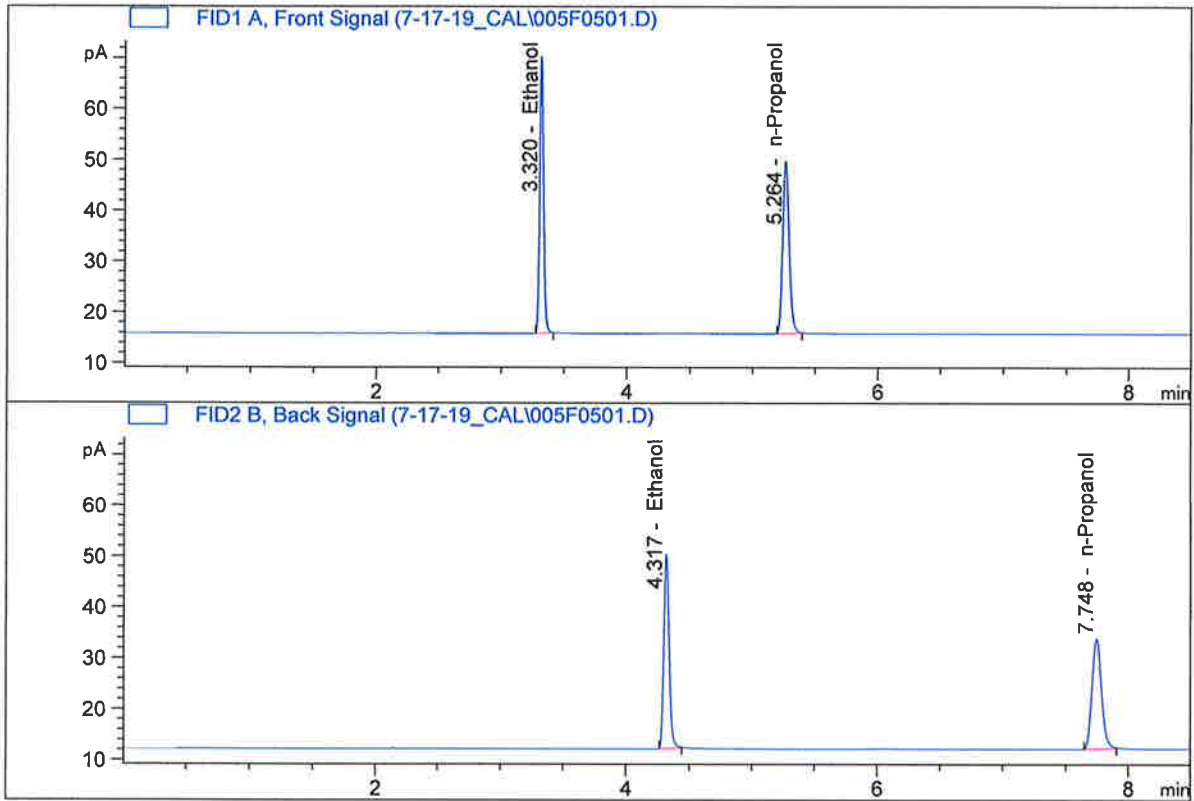


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	71.13099	0.2998	g/100cc
2.	Ethanol	Column 2:	65.93835	0.2970	g/100cc
3.	n-Propanol	Column 1:	121.45603	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.44197	1.0000	g/100cc

PC

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
 Laboratory : Pocatello
 Injection Date : Jul 17, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

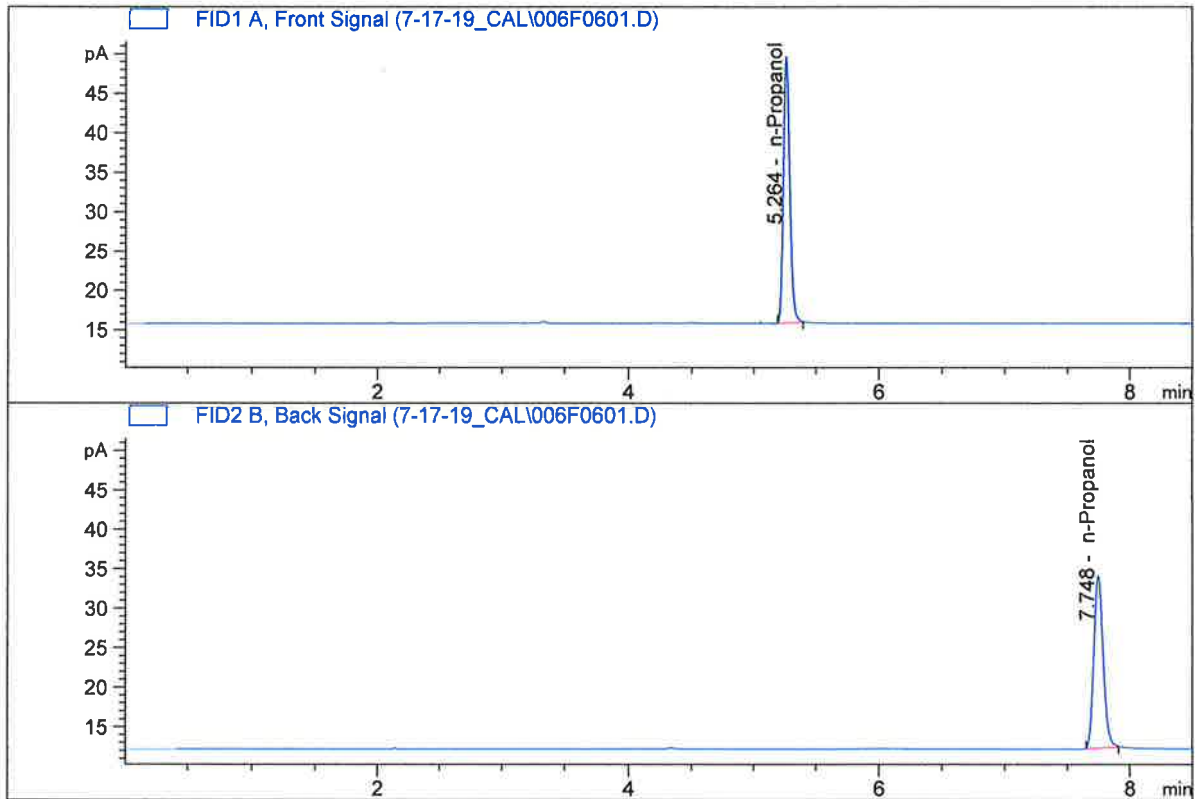


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	119.44300	0.4999	g/100cc
2.	Ethanol	Column 2:	112.16538	0.5048	g/100cc
3.	n-Propanol	Column 1:	122.33713	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.54844	1.0000	g/100cc

Handwritten signature

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
 Laboratory : Pocatello
 Injection Date : Jul 17, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	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:	121.61658	1.0000	g/100cc
4.	n-Propanol	Column 2:	114.57539	1.0000	g/100cc

Handwritten signature

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

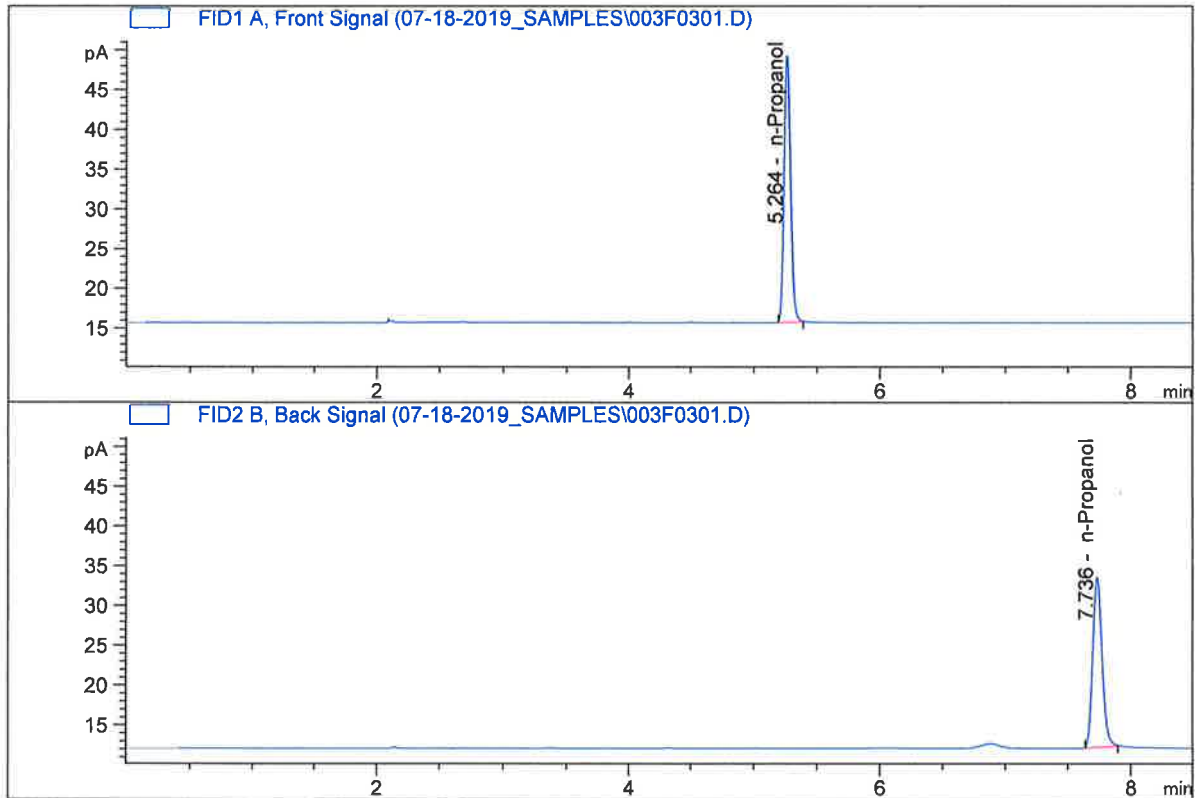
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_17.07.2019_11.33.58\071719_CALS.S
 Data directory path: C:\Chem32\1\Data\7-17-19_CAL
 Logbook: C:\Chem32\1\Data\7-17-19_CAL\071719_CALS.LOG
 Sequence start: 7/17/2019 11:47:42 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

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

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

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

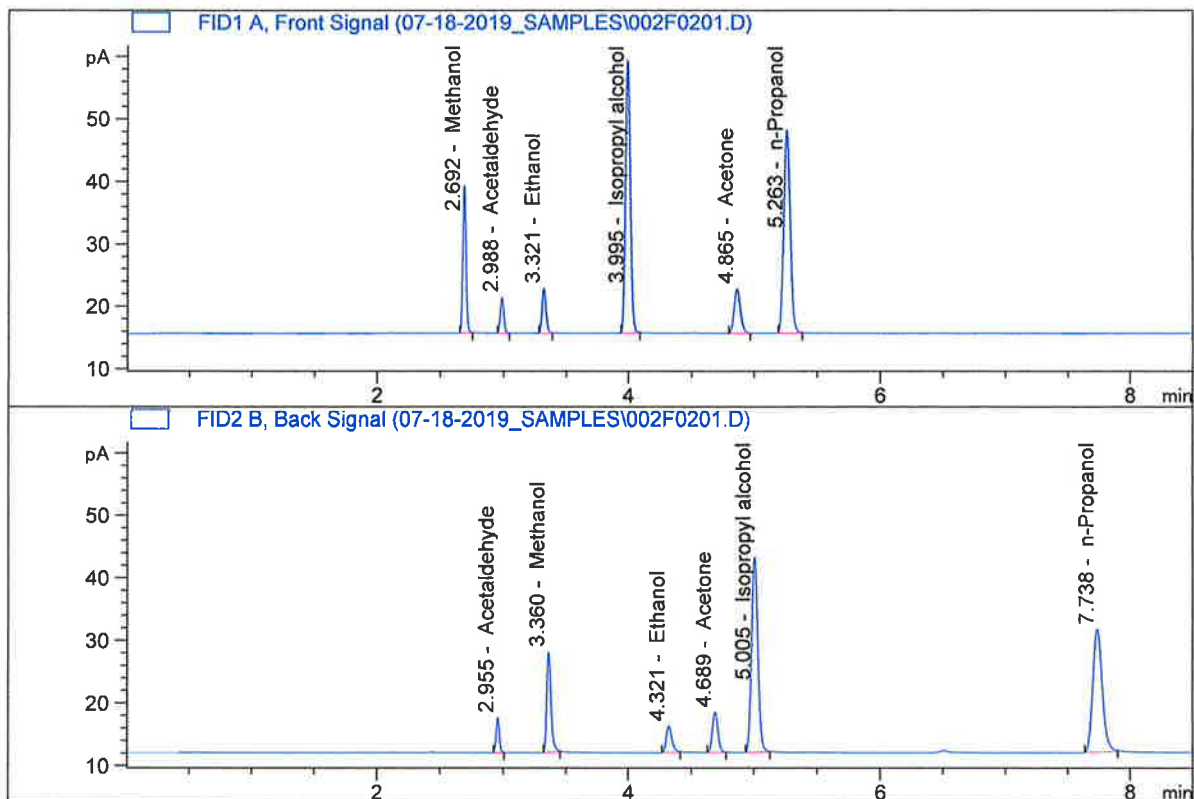


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	120.03642	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.98744	1.0000	g/100cc

Handwritten signature/initials

ISP Forensic Services Blood Alcohol Report

Sample Name : MULTI-COMP MIX
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

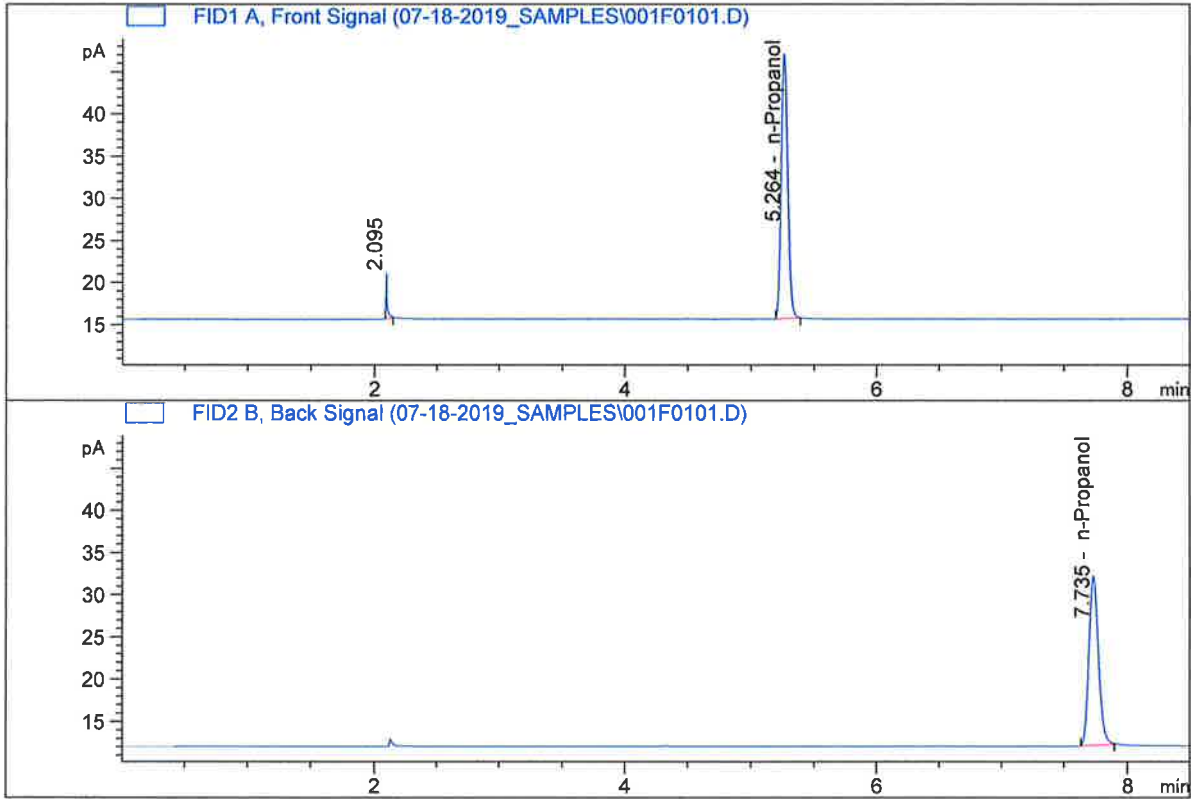


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.54397	0.0692	g/100cc
2.	Ethanol	Column 2:	12.95491	0.0640	g/100cc
3.	n-Propanol	Column 1:	114.97078	1.0000	g/100cc
4.	n-Propanol	Column 2:	103.48135	1.0000	g/100cc

PC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	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:	112.03729	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.73766	1.0000	g/100cc

WPC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 18 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0774	0.0715	0.0059	0.0744	0.0745	
(g/100cc)	0.0774	0.0718	0.0056	0.0746		

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: MD96JF1032

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.

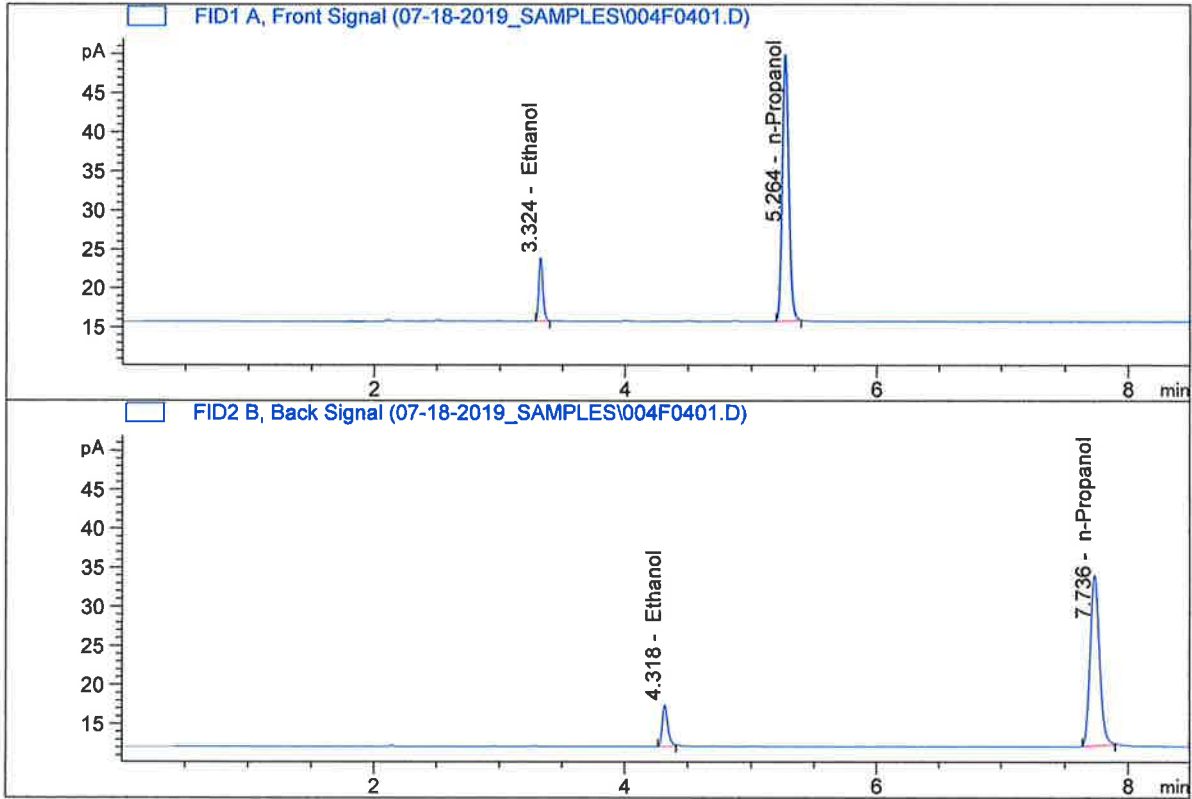
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010

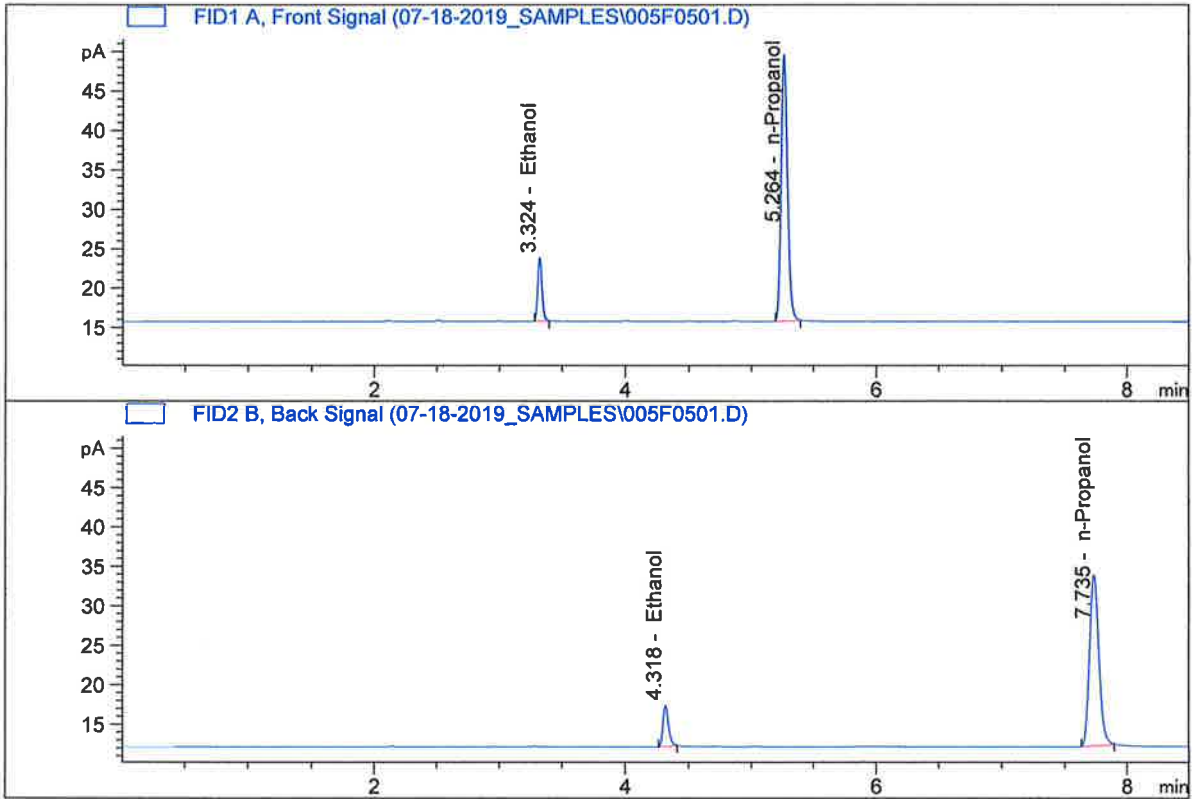


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.56554	0.0774	g/100cc
2.	Ethanol	Column 2:	16.03185	0.0715	g/100cc
3.	n-Propanol	Column 1:	122.73705	1.0000	g/100cc
4.	n-Propanol	Column 2:	114.51231	1.0000	g/100cc

Handwritten signature/initials

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.37598	0.0774	g/100cc
2.	Ethanol	Column 2:	15.95253	0.0718	g/100cc
3.	n-Propanol	Column 1:	121.55263	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.46773	1.0000	g/100cc

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA

Analysis Date(s): 18 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0809	0.0759	0.0050	0.0784	0.0774	
(g/100cc)	0.0789	0.0741	0.0048	0.0765		

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: MD96JF1032

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.



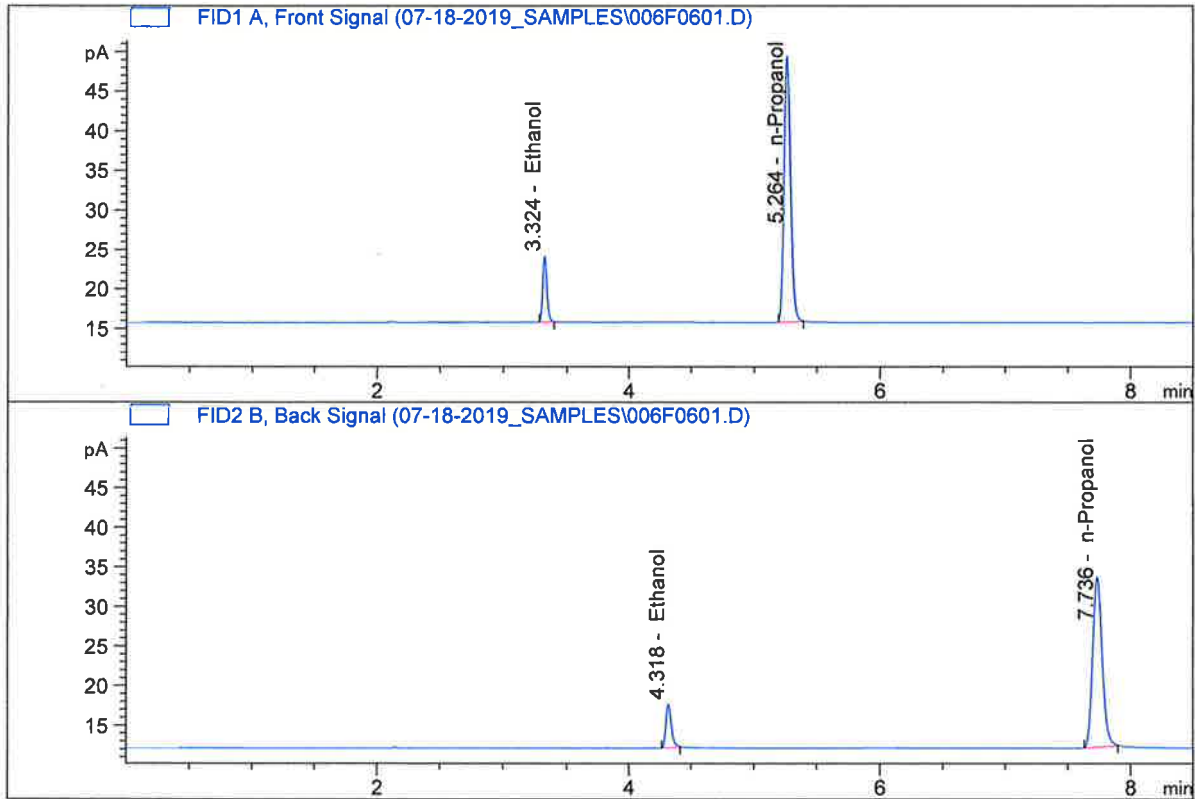
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-A
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

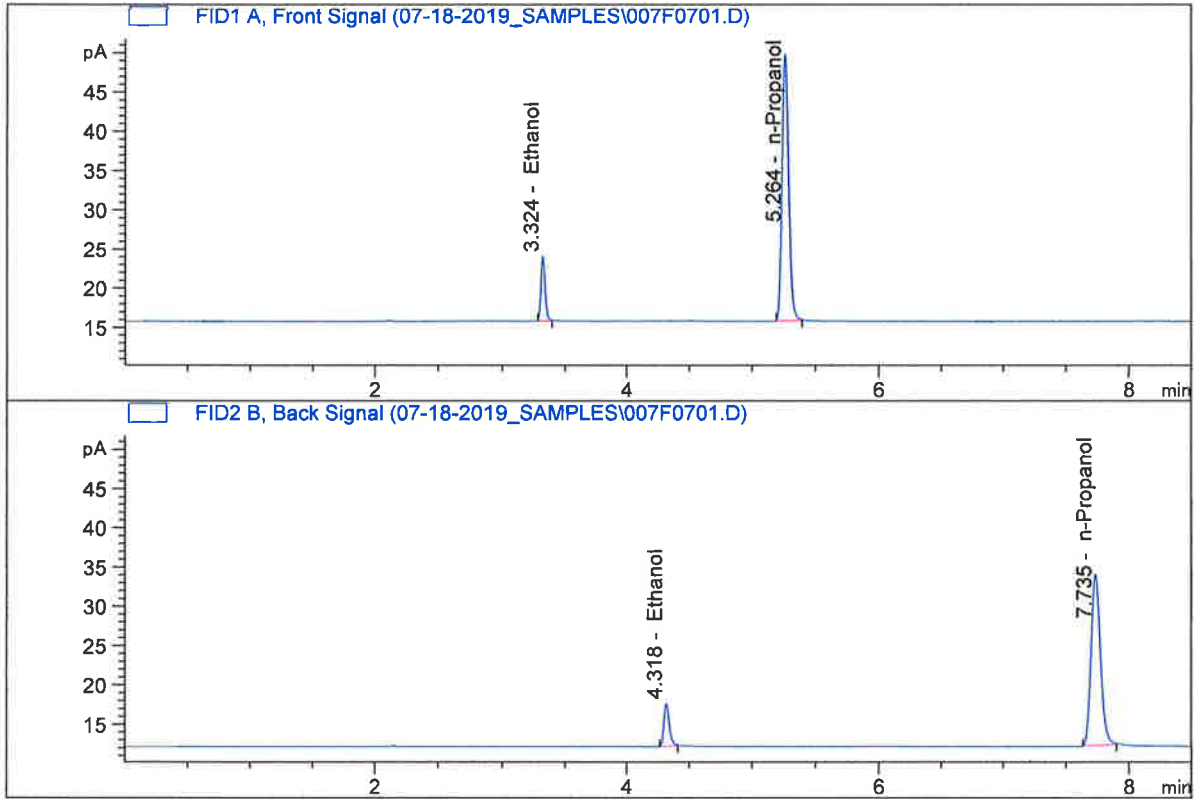


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.12496	0.0809	g/100cc
2.	Ethanol	Column 2:	16.78258	0.0759	g/100cc
3.	n-Propanol	Column 1:	121.10763	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.05896	1.0000	g/100cc

PC

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.88171	0.0789	g/100cc
2.	Ethanol	Column 2:	16.55978	0.0741	g/100cc
3.	n-Propanol	Column 1:	122.45656	1.0000	g/100cc
4.	n-Propanol	Column 2:	114.25085	1.0000	g/100cc

JK

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 18 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1982	0.1928	0.0054	0.1955	0.1955	
(g/100cc)	0.1986	0.1927	0.0059	0.1956		

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: MD96JF1032

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	0.185	0.205	0.010

	Reported Result	
	0.195	

Calibration and control data are stored centrally.

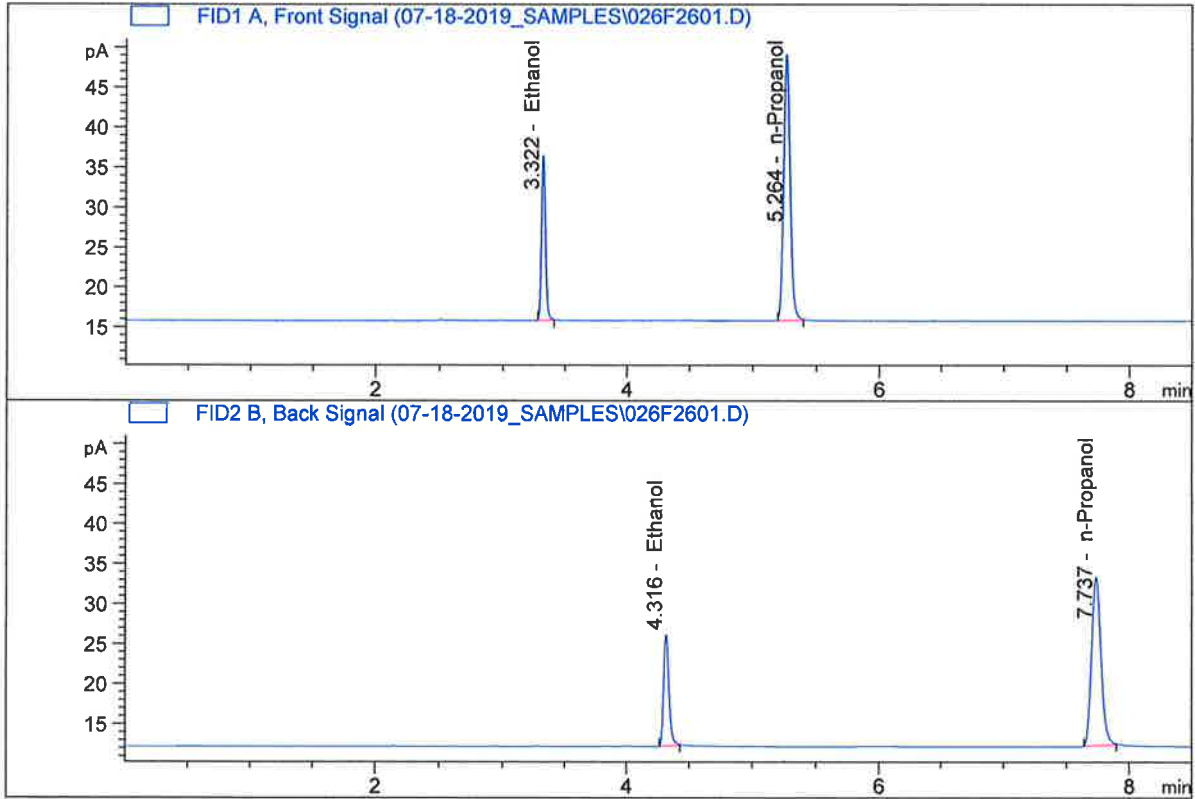
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

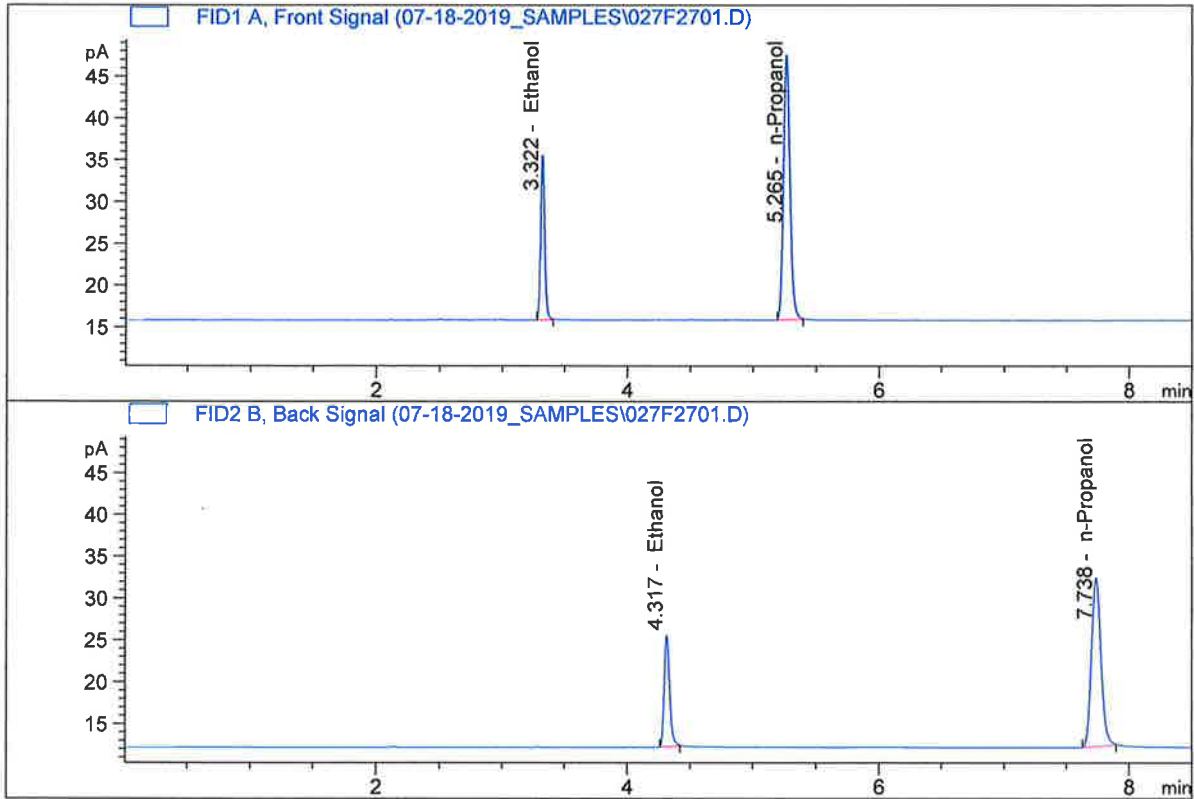


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.22697	0.1982	g/100cc
2.	Ethanol	Column 2:	41.82424	0.1928	g/100cc
3.	n-Propanol	Column 1:	119.43518	1.0000	g/100cc
4.	n-Propanol	Column 2:	110.87720	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.28101	0.1986	g/100cc
2.	Ethanol	Column 2:	40.05123	0.1927	g/100cc
3.	n-Propanol	Column 1:	114.16435	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.24070	1.0000	g/100cc

Handwritten signature

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 18 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0809	0.0751	0.0058	0.0780	0.0780
(g/100cc)	0.0809	0.0754	0.0055	0.0781	

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: MD96JF1032

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

Reported Result	
0.078	

Calibration and control data are stored centrally.



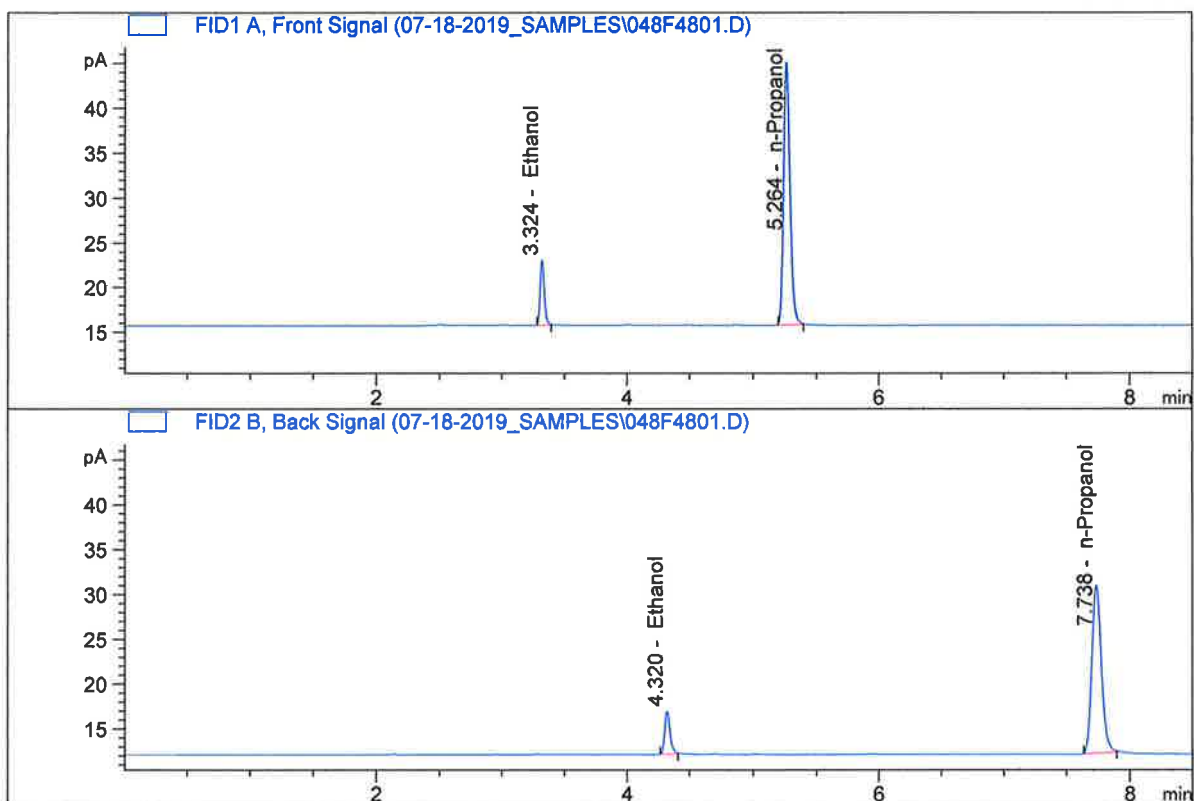
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

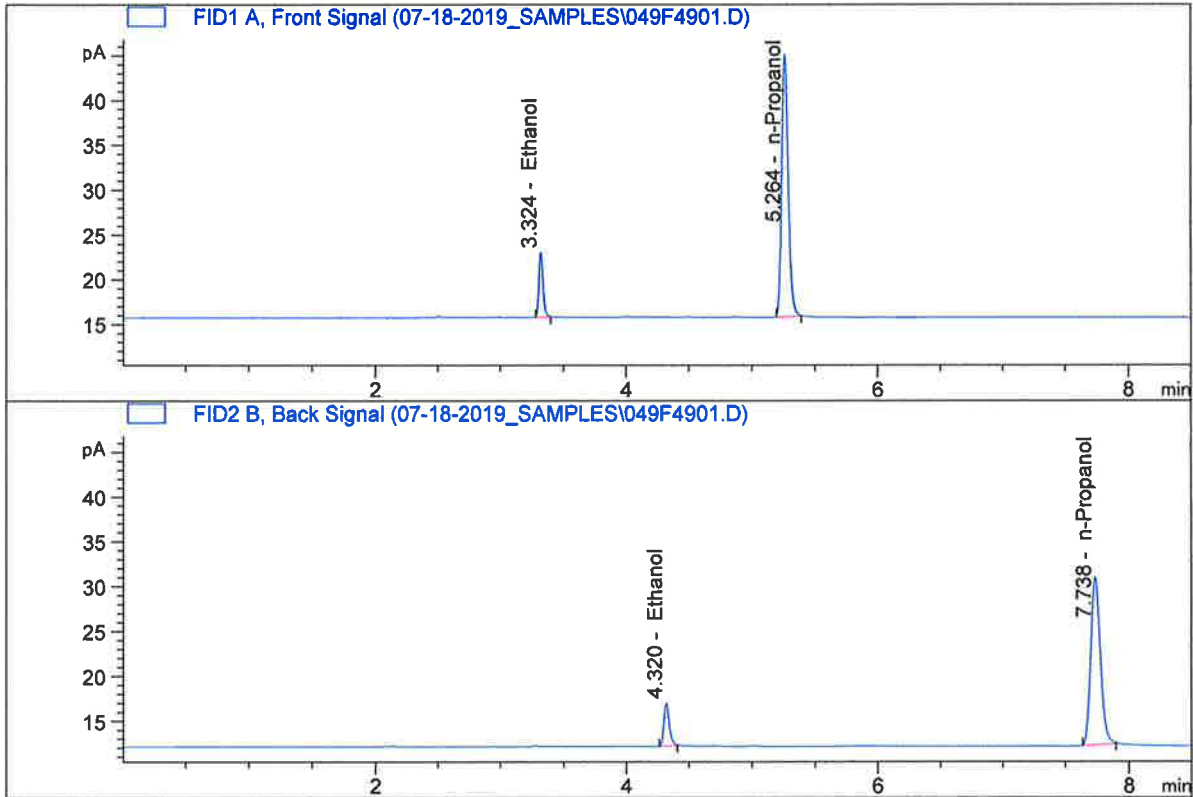


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.68747	0.0809	g/100cc
2.	Ethanol	Column 2:	14.52743	0.0751	g/100cc
3.	n-Propanol	Column 1:	105.59503	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.87681	1.0000	g/100cc

Handwritten signature

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.66580	0.0809	g/100cc
2.	Ethanol	Column 2:	14.55951	0.0754	g/100cc
3.	n-Propanol	Column 1:	105.41868	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.73325	1.0000	g/100cc

Handwritten signature

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2

Analysis Date(s): 18 Jul 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2033	0.1969	0.0064	0.2001	0.2008	
(g/100cc)	0.2049	0.1984	0.0065	0.2016		

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: MD96JF1032

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.200	0.190	0.210	0.010

Reported Result	
0.200	

Calibration and control data are stored centrally.

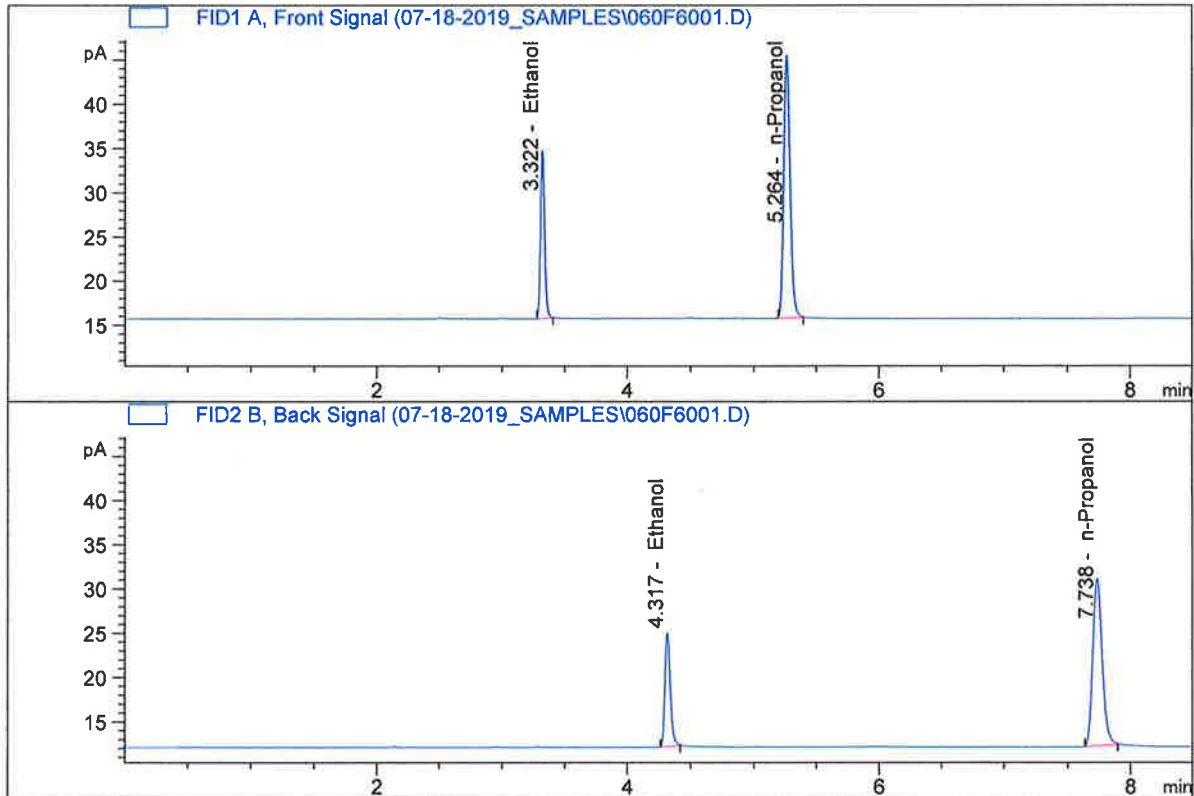
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

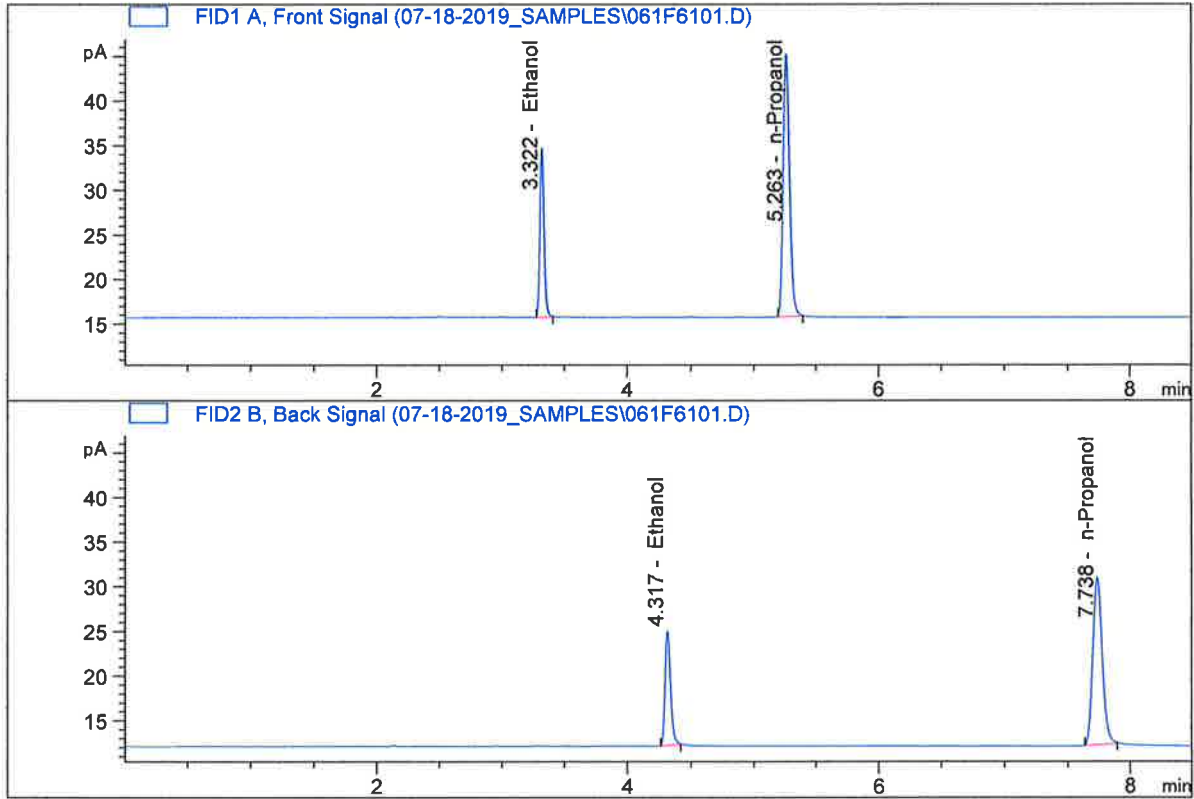


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.46832	0.2033	g/100cc
2.	Ethanol	Column 2:	38.42679	0.1969	g/100cc
3.	n-Propanol	Column 1:	106.92686	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.75143	1.0000	g/100cc

Handwritten signature

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

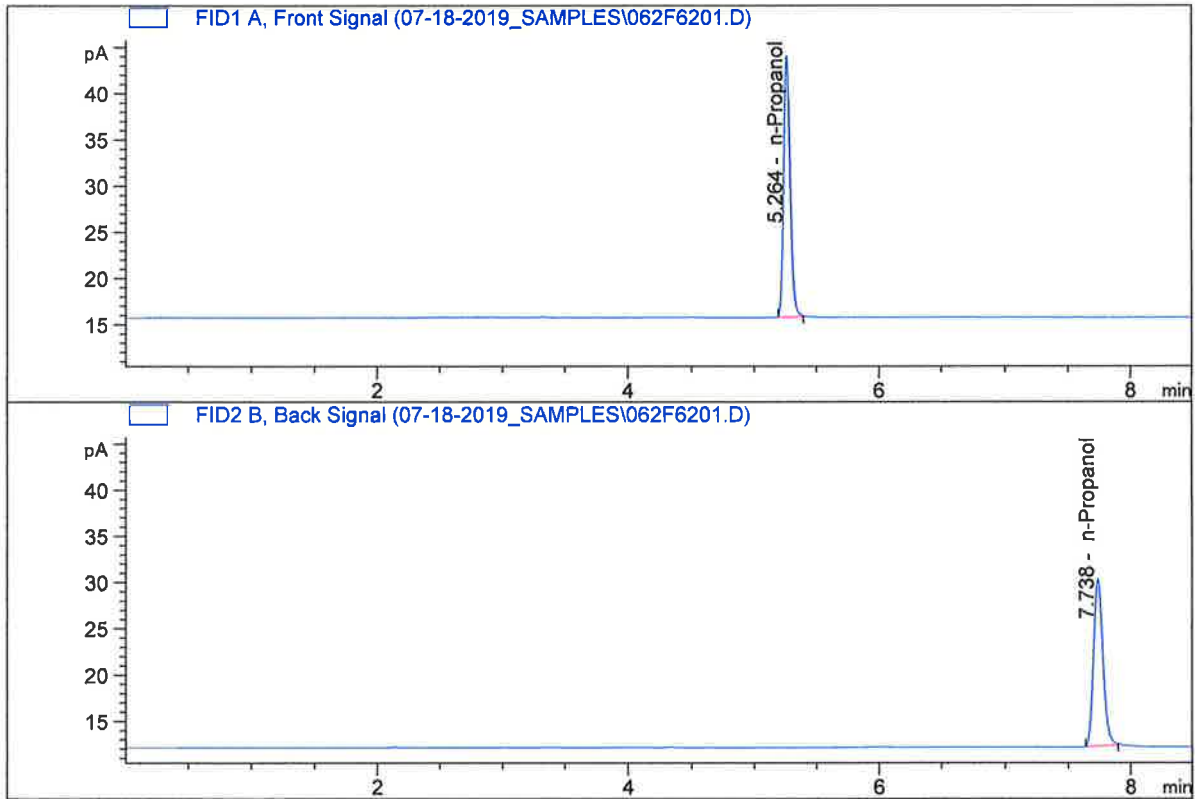


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.32161	0.2049	g/100cc
2.	Ethanol	Column 2:	38.28200	0.1984	g/100cc
3.	n-Propanol	Column 1:	105.74004	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.60413	1.0000	g/100cc

Handwritten signature

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
 Laboratory : Pocatello
 Injection Date : Jul 18, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	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:	101.69812	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.55472	1.0000	g/100cc

Handwritten signature/initials

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_18.07.2019_08.35.02\07-18-19_SAMPLES.S
 Data directory path: C:\Chem32\1\Data\07-18-2019_SAMPLES
 Logbook: C:\Chem32\1\Data\07-18-2019_SAMPLES\07-18-19_SAMPLES.LOG
 Sequence start: 7/18/2019 9:27:12 AM
 Sequence Operator: SYSTEM
 Operator: SYSTEM

Method file name: C:\CHEM32\1\METHODS\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	MULTI-COMP MIX	-	1.0000	002F0201.D		12
3	3	1	INTERNAL STD	-	1.0000	003F0301.D		2
4	4	1	QC1-1-A	-	1.0000	004F0401.D		4
5	5	1	QC1-1-B	-	1.0000	005F0501.D		4
6	6	1	08 QA-A	-	1.0000	006F0601.D		4
7	7	1	08 QA-B	-	1.0000	007F0701.D		4
8	8	1	P2019-1913-1-A	-	1.0000	008F0801.D		6
9	9	1	P2019-1913-1-B	-	1.0000	009F0901.D		6
10	10	1	P2019-1920-1-A	-	1.0000	010F1001.D		6
11	11	1	P2019-1920-1-B	-	1.0000	011F1101.D		6
12	12	1	P2019-1926-1-A	-	1.0000	012F1201.D		4
13	13	1	P2019-1926-1-B	-	1.0000	013F1301.D		4
14	14	1	P2019-1955-1-A	-	1.0000	014F1401.D		6
15	15	1	P2019-1955-1-B	-	1.0000	015F1501.D		6
16	16	1	P2019-1962-1-A	-	1.0000	016F1601.D		6
17	17	1	P2019-1962-1-B	-	1.0000	017F1701.D		6
18	18	1	P2019-1987-1-A	-	1.0000	018F1801.D		6
19	19	1	P2019-1987-1-B	-	1.0000	019F1901.D		6
20	20	1	P2019-1989-1-A	-	1.0000	020F2001.D		6
21	21	1	P2019-1989-1-B	-	1.0000	021F2101.D		6
22	22	1	P2019-1990-1-A	-	1.0000	022F2201.D		4
23	23	1	P2019-1990-1-B	-	1.0000	023F2301.D		6
24	24	1	P2019-1993-1-A	-	1.0000	024F2401.D		4
25	25	1	P2019-1993-1-B	-	1.0000	025F2501.D		4
26	26	1	QC2-1-A	-	1.0000	026F2601.D		4
27	27	1	QC2-1-B	-	1.0000	027F2701.D		4
28	28	1	P2019-1994-1-A	-	1.0000	028F2801.D		6
29	29	1	P2019-1994-1-B	-	1.0000	029F2901.D		6
30	30	1	P2019-2010-1-A	-	1.0000	030F3001.D		6
31	31	1	P2019-2010-1-B	-	1.0000	031F3101.D		6
32	32	1	P2019-2011-1-A	-	1.0000	032F3201.D		6
33	33	1	P2019-2011-1-B	-	1.0000	033F3301.D		6
34	34	1	P2019-2036-1-A	-	1.0000	034F3401.D		4
35	35	1	P2019-2036-1-B	-	1.0000	035F3501.D		4
36	36	1	P2019-2037-1-A	-	1.0000	036F3601.D		6
37	37	1	P2019-2037-1-B	-	1.0000	037F3701.D		6
38	38	1	P2019-2043-1-A	-	1.0000	038F3801.D		6
39	39	1	P2019-2043-1-B	-	1.0000	039F3901.D		6
40	40	1	P2019-2050-1-A	-	1.0000	040F4001.D		6
41	41	1	P2019-2050-1-B	-	1.0000	041F4101.D		6
42	42	1	P2019-2060-1-A	-	1.0000	042F4201.D		6
43	43	1	P2019-2060-1-B	-	1.0000	043F4301.D		6
44	44	1	P2019-2061-1-A	-	1.0000	044F4401.D		6
45	45	1	P2019-2061-1-B	-	1.0000	045F4501.D		6
46	46	1	P2019-2062-1-A	-	1.0000	046F4601.D		6

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	P2019-2062-1-B	-	1.0000	047F4701.D		6
48	48	1	QC1-2-A	-	1.0000	048F4801.D		4
49	49	1	QC1-2-B	-	1.0000	049F4901.D		4
50	50	1	P2019-2077-1-A	-	1.0000	050F5001.D		6
51	51	1	P2019-2077-1-B	-	1.0000	051F5101.D		6
52	52	1	P2019-2079-1-A	-	1.0000	052F5201.D		2
53	53	1	P2019-2079-1-B	-	1.0000	053F5301.D		2
54	54	1	P2019-2080-1-A	-	1.0000	054F5401.D		4
55	55	1	P2019-2080-1-B	-	1.0000	055F5501.D		4
56	56	1	P2019-2084-1-A	-	1.0000	056F5601.D		2
57	57	1	P2019-2084-1-B	-	1.0000	057F5701.D		2
58	58	1	P2019-2084-2-A	-	1.0000	058F5801.D		2
59	59	1	P2019-2084-2-B	-	1.0000	059F5901.D		2
60	60	1	QC2-2-A	-	1.0000	060F6001.D		4
61	61	1	QC2-2-B	-	1.0000	061F6101.D		4
62	62	1	INT STD BLK	-	1.0000	062F6201.D		2