APPROVED
By John Garner at 8:07 am, Aug 13, 2019

8/6/2019

Worklist: 3592

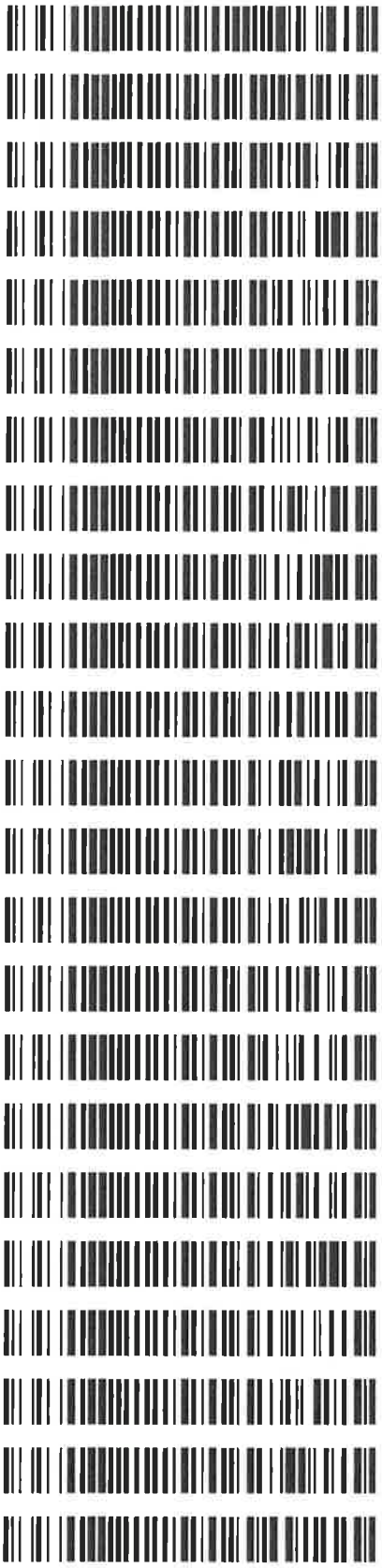
LAB_CASE	ITEM	TASK_ID	DESCRIPTION
P2019-1918	3	157164	Alcohol Analysis
P2019-2235	1	157824	Alcohol Analysis
P2019-2237	1	157876	Alcohol Analysis
P2019-2241	1	157973	Alcohol Analysis
P2019-2242	1	157974	Alcohol Analysis
P2019-2243	1	157975	Alcohol Analysis
P2019-2251	1	157992	Alcohol Analysis
P2019-2256	1	158012	Alcohol Analysis
P2019-2260	1	158052	Alcohol Analysis
P2019-2264	1	158119	Alcohol Analysis
P2019-2265	1	158123	Alcohol Analysis
P2019-2275	1	158191	Alcohol Analysis
P2019-2276	1	158195	Alcohol Analysis
P2019-2288	1	158234	Alcohol Analysis
P2019-2296	1	158259	Alcohol Analysis
P2019-2298	1	158312	Alcohol Analysis
P2019-2306	1	158613	Alcohol Analysis
P2019-2309	1	158623	Alcohol Analysis
P2019-2314	1	158736	Alcohol Analysis
P2019-2318	1	158747	Alcohol Analysis
P2019-2343	1	158972	Alcohol Analysis
P2019-2343	2	158976	Alcohol Analysis
P2019-2350	1	159027	Alcohol Analysis

Diluting & re-running, next batch

Re-running, next batch due to carryover.

Didn't inject. Re-running, next batch

Didn't inject. Re-running, next batch



Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 08/06/19**

Calibration Curve Run Date: 08/06/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0797 g/100cc
					0.0805 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1996 g/100cc
					0.2058 g/100cc
					g/100cc

Multi-Component mixture:			**Lot #**	11918	
Curve Fit:		**Column 1**	0.99997	**Column2**	0.99995

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0520	0.0491	0.0029	0.0505
100	0.100	0.090 - 0.110	0.1040	0.1000	0.004	0.102
200	0.200	0.180 - 0.220	0.2005	0.1965	0.004	0.1985
300	0.300	0.270 - 0.330	0.2981	0.2967	0.0014	0.2974
500	0.500	0.450 - 0.550	0.4999	0.5035	0.0036	0.5017

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, August 06, 2019 2:08:30 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

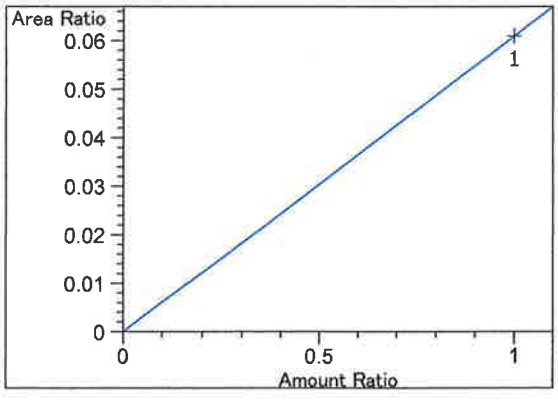
Overview Table

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	11.61477	4.30486e-3	No	No	1	Ethanol
		2	1.00000e-1	21.81753	4.58347e-3				
		3	2.00000e-1	49.39037	4.04937e-3				
		4	3.00000e-1	73.78474	4.06588e-3				
		5	5.00000e-1	123.54807	4.04701e-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
4.313	2	1	5.00000e-2	10.32978	4.84038e-3	No	No	2	Ethanol
		2	1.00000e-1	19.73871	5.06619e-3				
		3	2.00000e-1	45.42108	4.40324e-3				
		4	3.00000e-1	68.60387	4.37293e-3				
		5	5.00000e-1	115.80637	4.31755e-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
5.265	1	1	1.00000	112.34466	8.90118e-3	No	Yes	1	n-Propanol
		2	1.00000	105.50116	9.47857e-3				
		3	1.00000	123.92281	8.06954e-3				
		4	1.00000	124.50694	8.03168e-3				
		5	1.00000	124.34101	8.04240e-3				
		6	1.00000	111.45872	8.97193e-3				
7.735	2	1	1.00000	105.85194	9.44716e-3	No	Yes	2	n-Propanol
		2	1.00000	99.22157	1.00785e-2				
		3	1.00000	116.21922	8.60443e-3				
		4	1.00000	116.28683	8.59943e-3				
		5	1.00000	115.65895	8.64611e-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

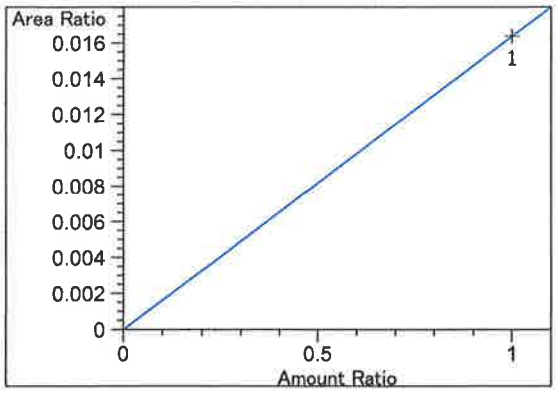
Peak Sum Table

No Entries in table

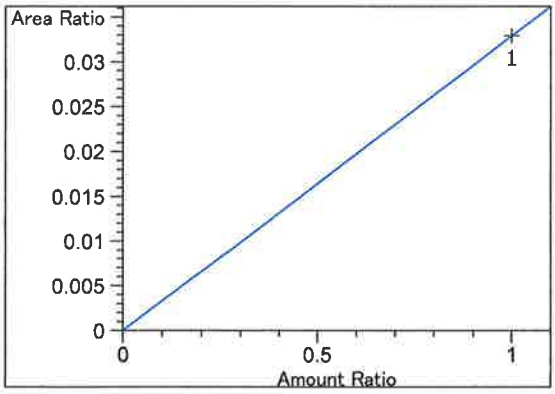
Calibration Curves



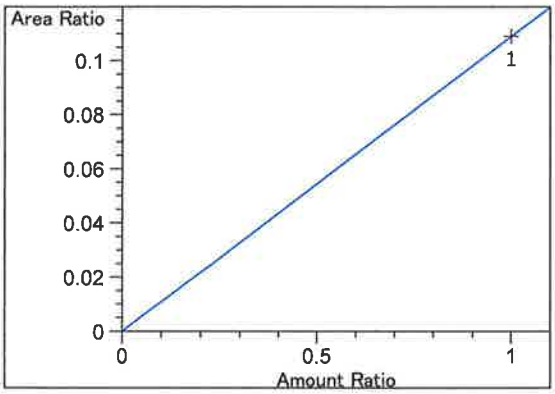
Fluorinated ethane at exp. RT: 2.311
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.09531e-2
x: Amount Ratio
y: Area Ratio



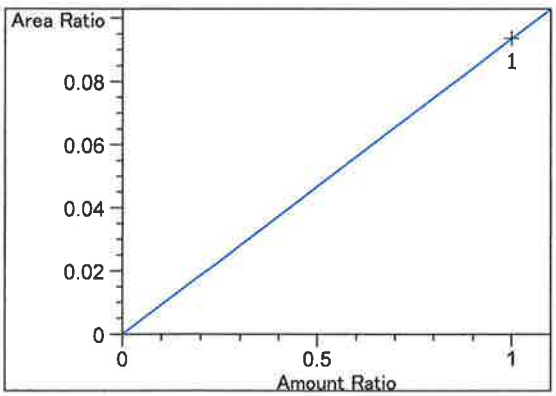
Fluorinated ethane at exp. RT: 2.365
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.63875e-2
x: Amount Ratio
y: Area Ratio



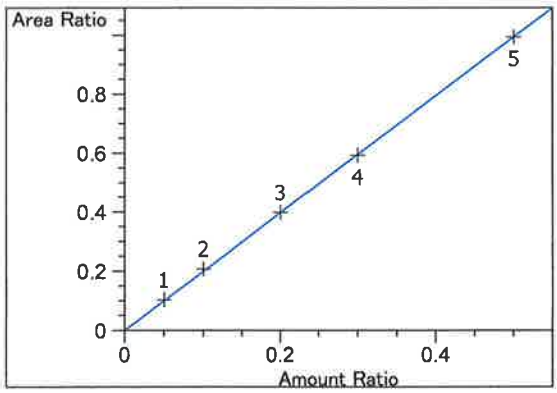
Methanol at exp. RT: 2.685
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.29049e-2
x: Amount Ratio
y: Area Ratio



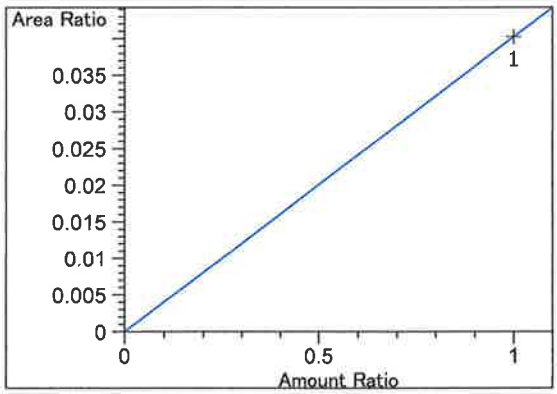
Acetaldehyde at exp. RT: 2.950
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.09086e-1
x: Amount Ratio
y: Area Ratio



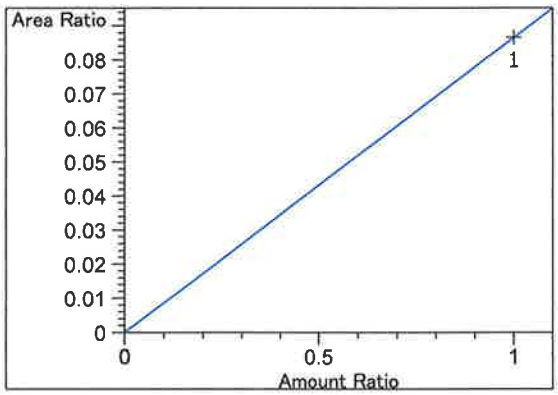
Acetaldehyde at exp. RT: 2.975
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.36760e-2
x: Amount Ratio
y: Area Ratio



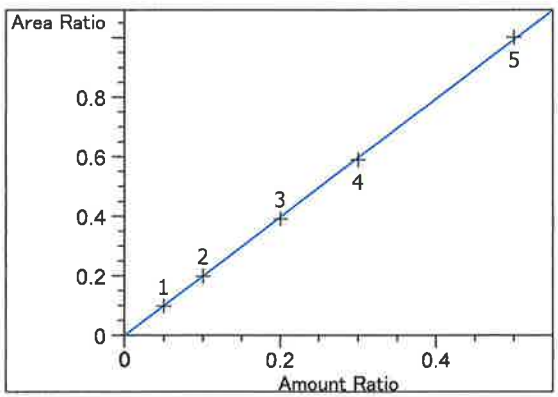
Ethanol at exp. RT: 3.320
FID1 A, Front Signal
Correlation: 0.99997 ✓
Residual Std. Dev.: 0.00488
Formula: y = mx
m: 1.98766
x: Amount Ratio
y: Area Ratio



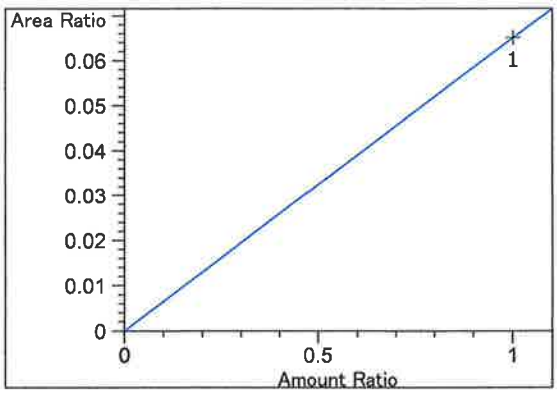
Methanol at exp. RT: 3.372
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.02508e-2
x: Amount Ratio
y: Area Ratio



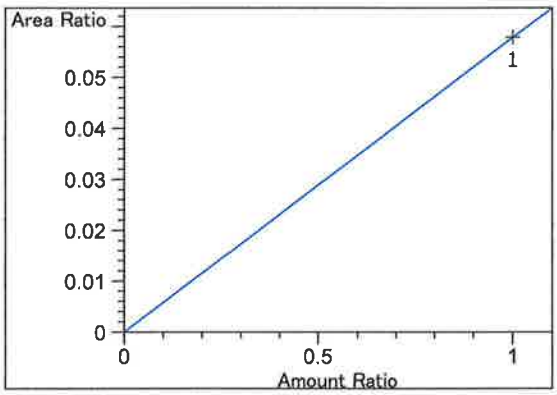
Isopropyl alcohol at exp. RT: 3.993
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.66134e-2
x: Amount Ratio
y: Area Ratio



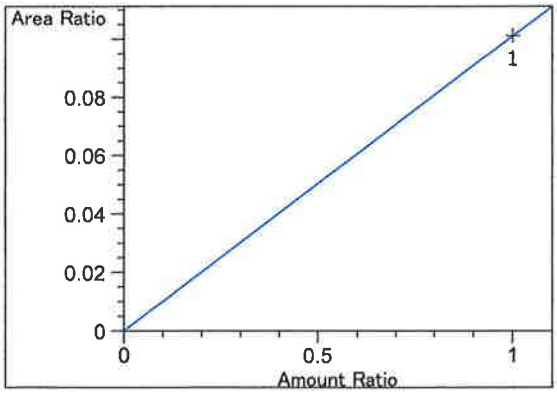
Ethanol at exp. RT: 4.313
FID2 B, Back Signal
Correlation: 0.99995 ✓
Residual Std. Dev.: 0.00599
Formula: y = mx
m: 1.98869
x: Amount Ratio
y: Area Ratio



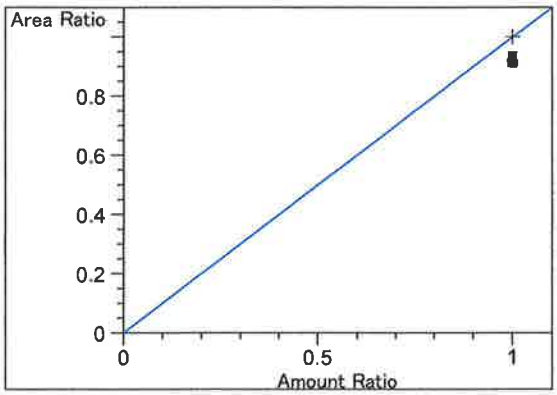
Acetone at exp. RT: 4.704
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.51194e-2
x: Amount Ratio
y: Area Ratio



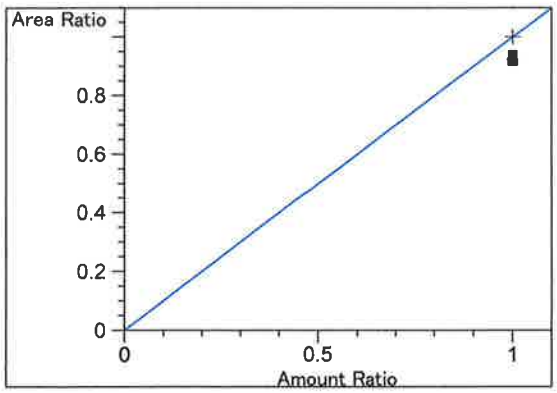
Acetone at exp. RT: 4.853
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.78523e-2
x: Amount Ratio
y: Area Ratio



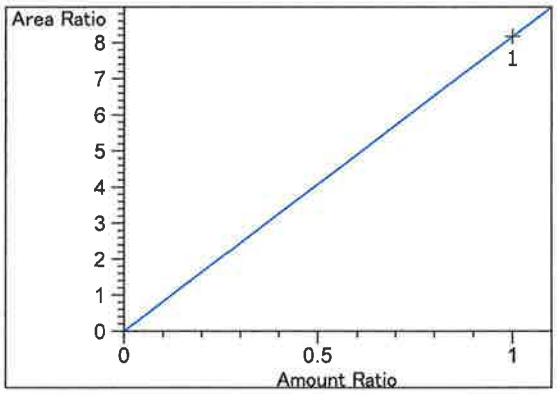
Isopropyl alcohol at exp. RT: 5.050
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.01145e-1
x: Amount Ratio
y: Area Ratio



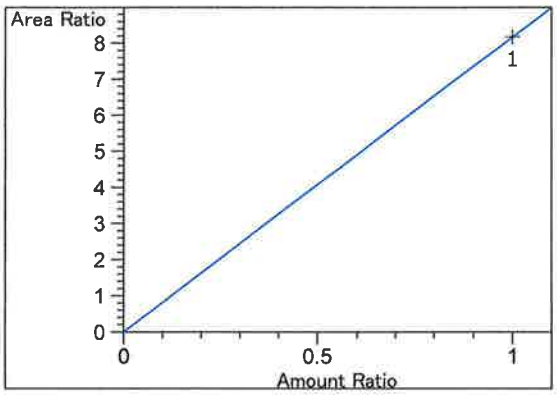
n-Propanol at exp. RT: 5.265
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 7.735
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: 8.17030
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: 8.17559
x: Amount Ratio
y: Area Ratio

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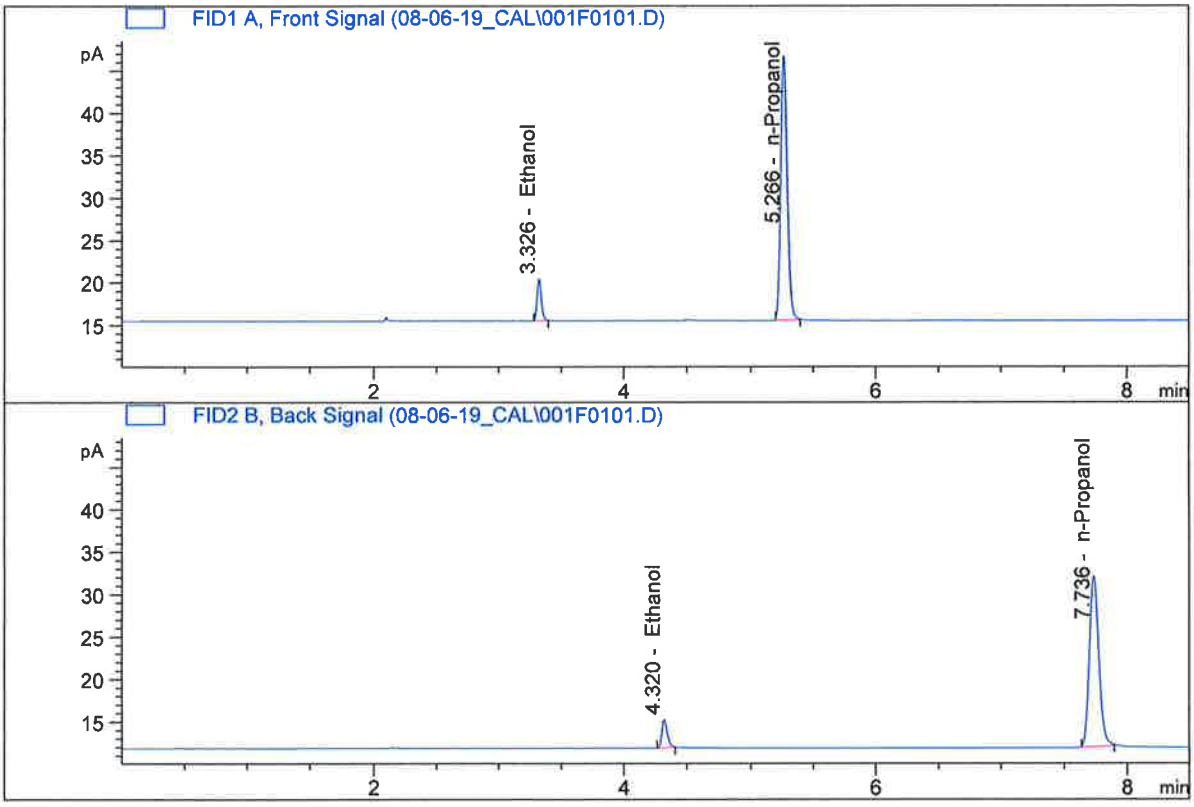
ISP Forensic Services Blood Alcohol Report

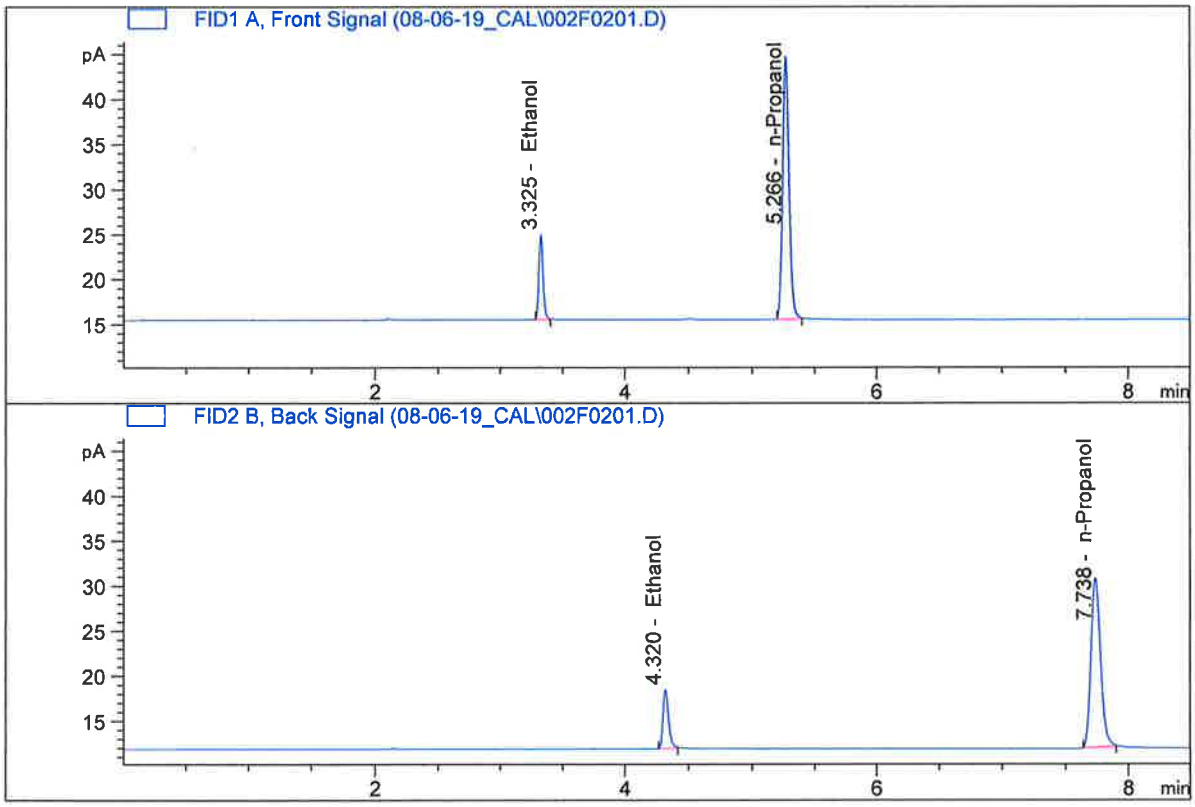
Sample Name : 0.050
Laboratory : Pocatello
Injection Date : Aug 6, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.61477	0.0520	g/100cc
2.	Ethanol	Column 2:	10.32978	0.0491	g/100cc
3.	n-Propanol	Column 1:	112.34466	1.0000	g/100cc
4.	n-Propanol	Column 2:	105.85194	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

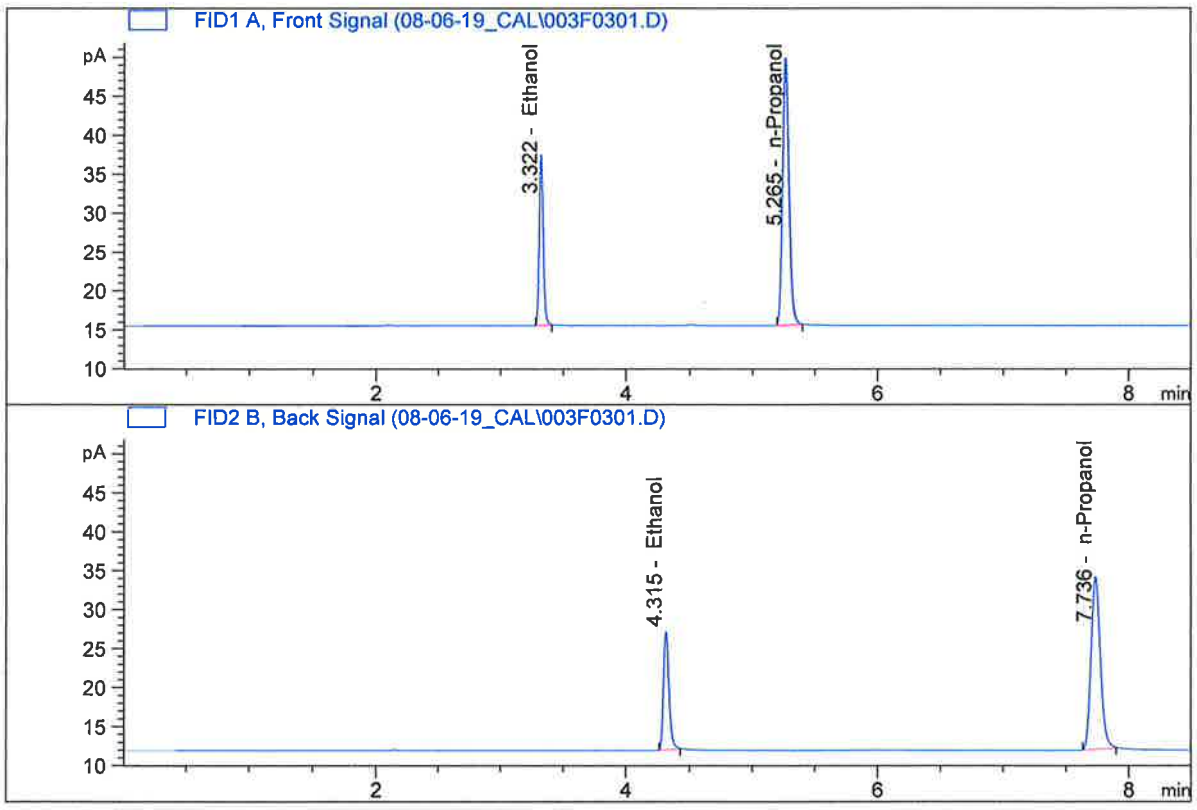
Sample Name : 0.100
Laboratory : Pocatello
Injection Date : Aug 6, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	21.81753	0.1040	g/100cc
2.	Ethanol	Column 2:	19.73871	0.1000	g/100cc
3.	n-Propanol	Column 1:	105.50116	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.22157	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

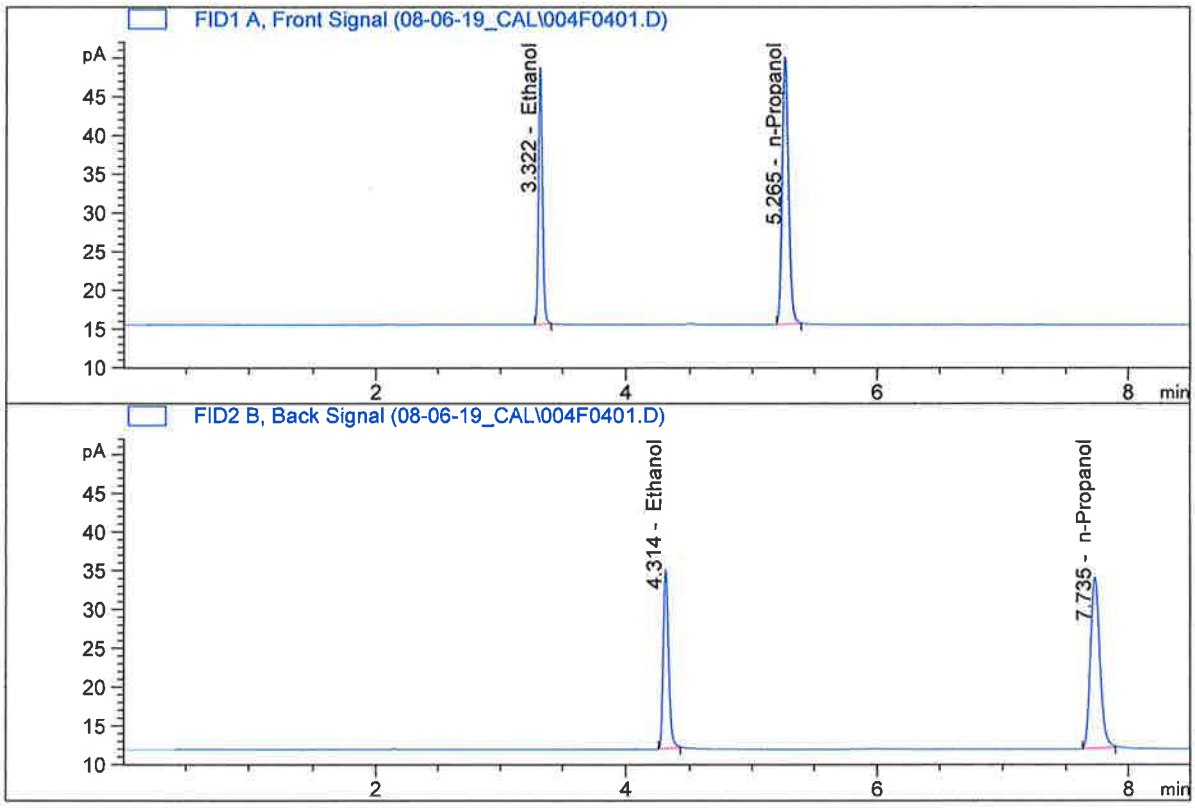
Sample Name : 0.200
Laboratory : Pocatello
Injection Date : Aug 6, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	49.39037	0.2005	g/100cc
2.	Ethanol	Column 2:	45.42108	0.1965	g/100cc
3.	n-Propanol	Column 1:	123.92281	1.0000	g/100cc
4.	n-Propanol	Column 2:	116.21922	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

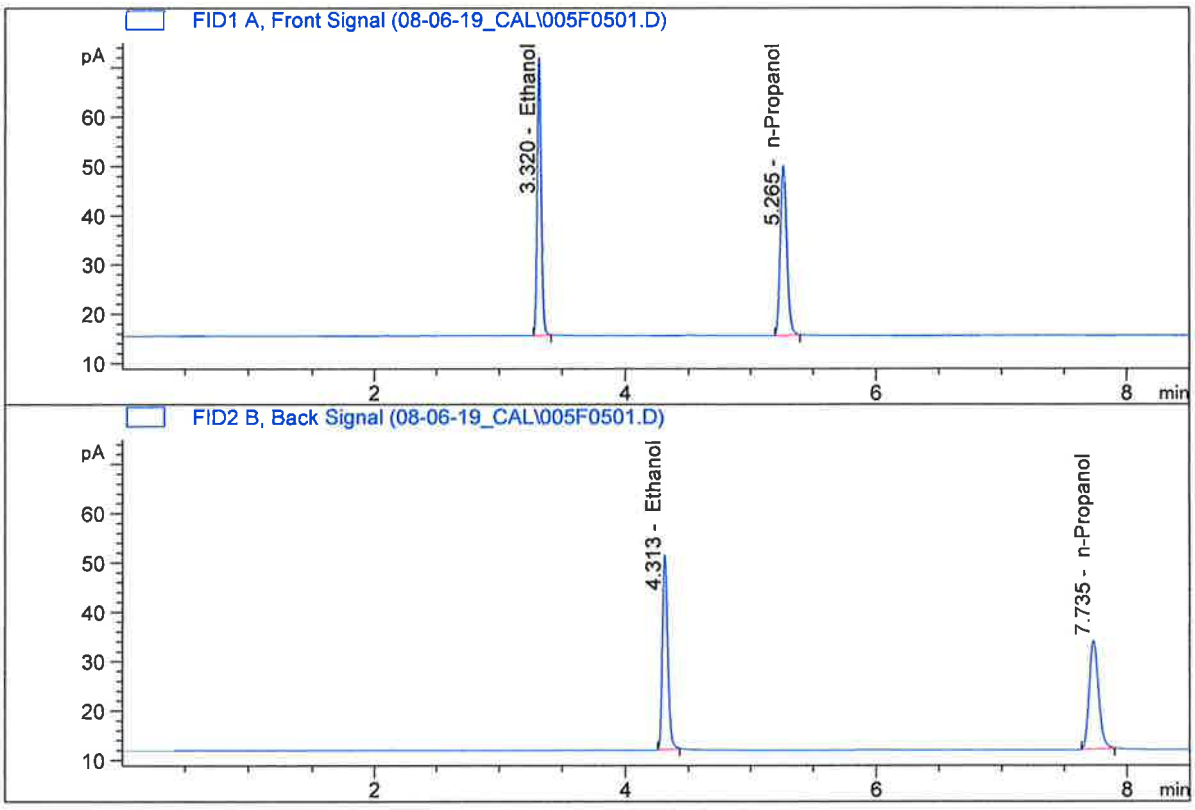
Sample Name : 0.300
Laboratory : Pocatello
Injection Date : Aug 6, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	73.78474	0.2981	g/100cc
2.	Ethanol	Column 2:	68.60387	0.2967	g/100cc
3.	n-Propanol	Column 1:	124.50694	1.0000	g/100cc
4.	n-Propanol	Column 2:	116.28683	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

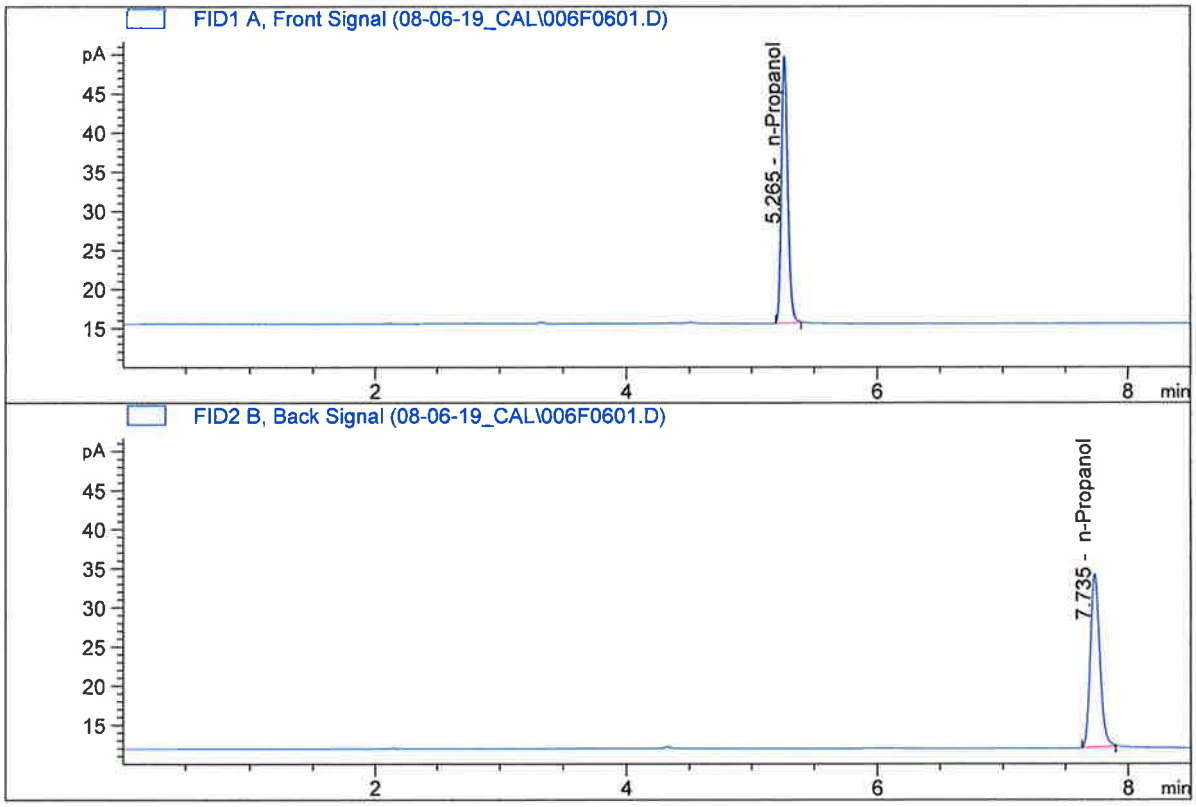
Sample Name : 0.500
Laboratory : Pocatello
Injection Date : Aug 6, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	123.54807	0.4999	g/100cc
2.	Ethanol	Column 2:	115.80637	0.5035	g/100cc
3.	n-Propanol	Column 1:	124.34101	1.0000	g/100cc
4.	n-Propanol	Column 2:	115.65895	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Pocatello
Injection Date : Aug 6, 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:	123.01777	1.0000	g/100cc
4.	n-Propanol	Column 2:	115.78449	1.0000	g/100cc

Sample Summary

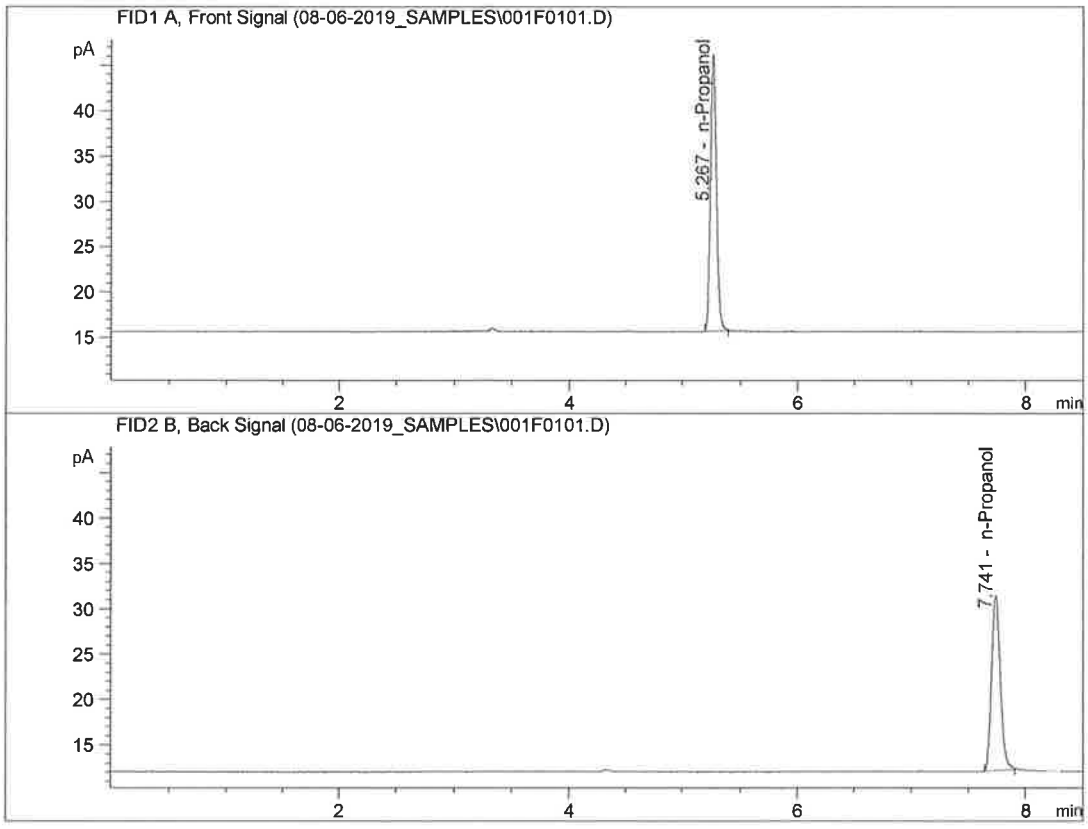
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_06.08.2019_12.09.20\MASTERCAL.S
Data directory path: C:\Chem32\1\Data\08-06-19_CAL
Logbook: C:\Chem32\1\Data\08-06-19_CAL\MASTERCAL.LOG
Sequence start: 8/6/2019 12:23:10 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

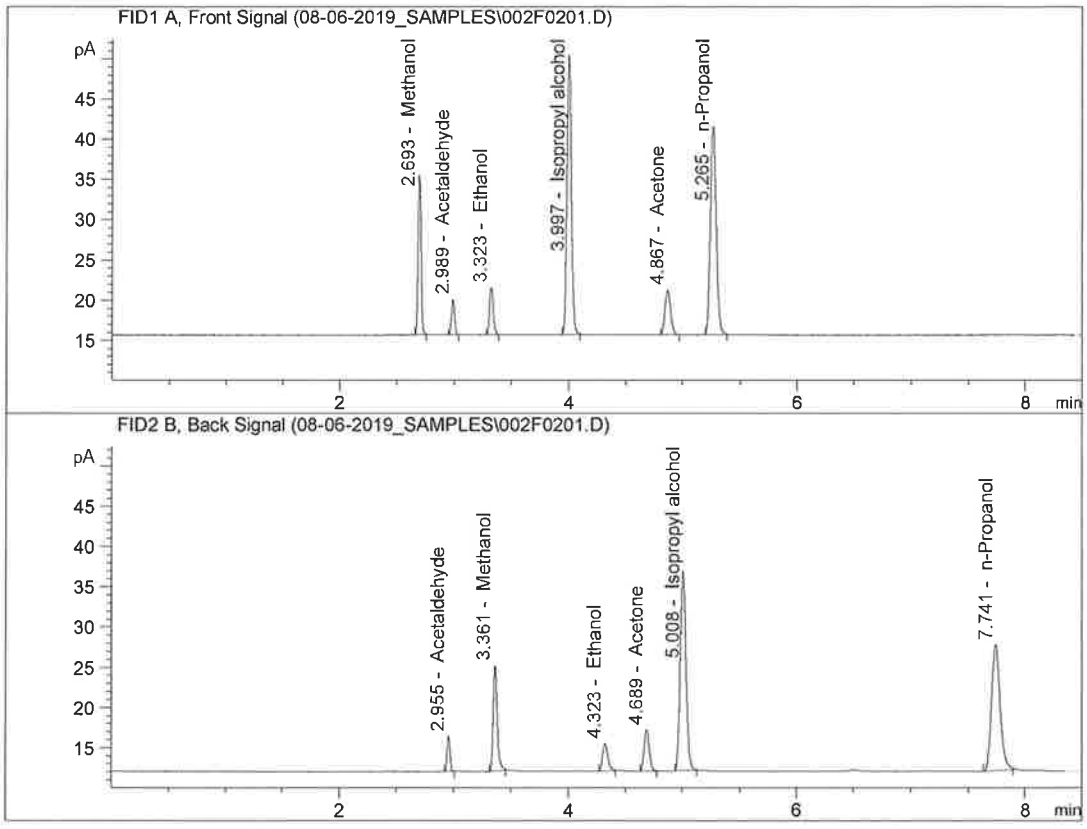
Sample Name : INTERNAL STD BLK
Laboratory : Pocatello
Injection Date : Aug 6, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	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:	109.36462	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.77385	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

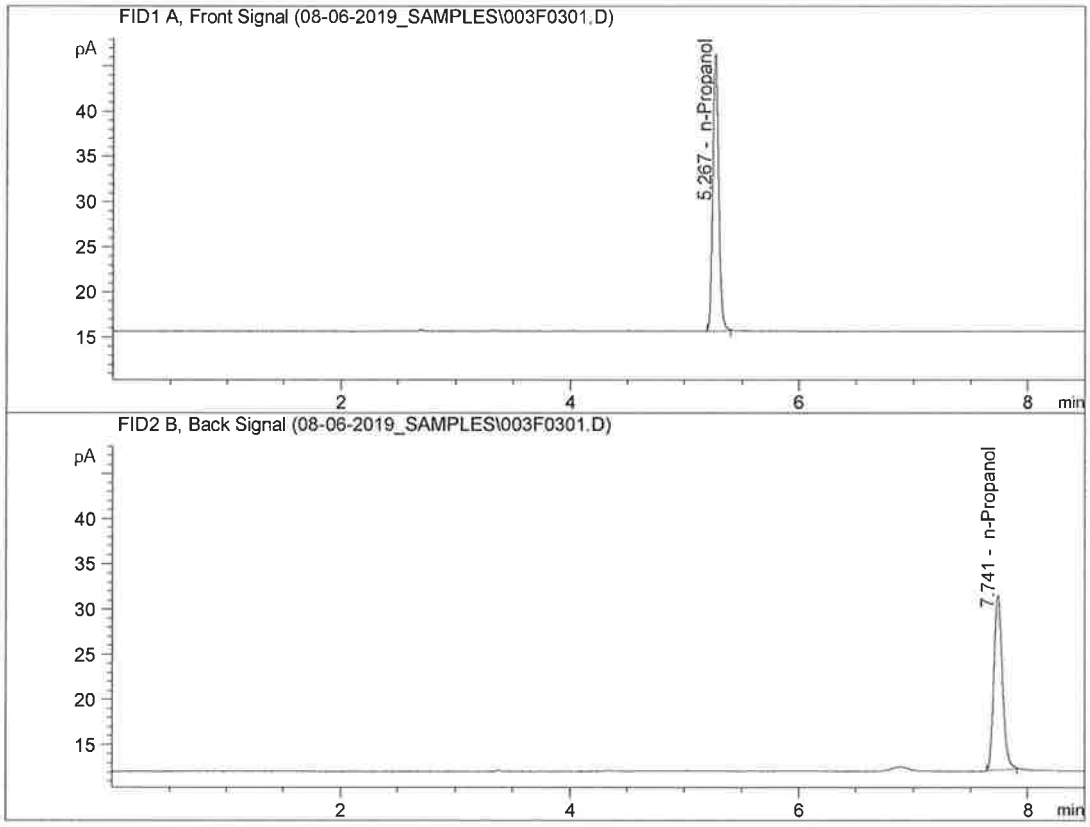
Sample Name	:	MULTI-COMP MIX
Laboratory	:	Pocatello
Injection Date	:	Aug 6, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.00716	0.0706	g/100cc
2.	Ethanol	Column 2:	10.76572	0.0653	g/100cc
3.	n-Propanol	Column 1:	92.68419	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.88332	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	INTERNAL STD
Laboratory	:	Pocatello
Injection Date	:	Aug 6, 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:	110.11391	1.0000	g/100cc
4.	n-Propanol	Column 2:	102.28992	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 8/6/19**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0823	0.0766	0.0057	0.0794	0.0797	
(g/100cc)	0.0827	0.0775	0.0052	0.0801		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD96JF1032

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

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

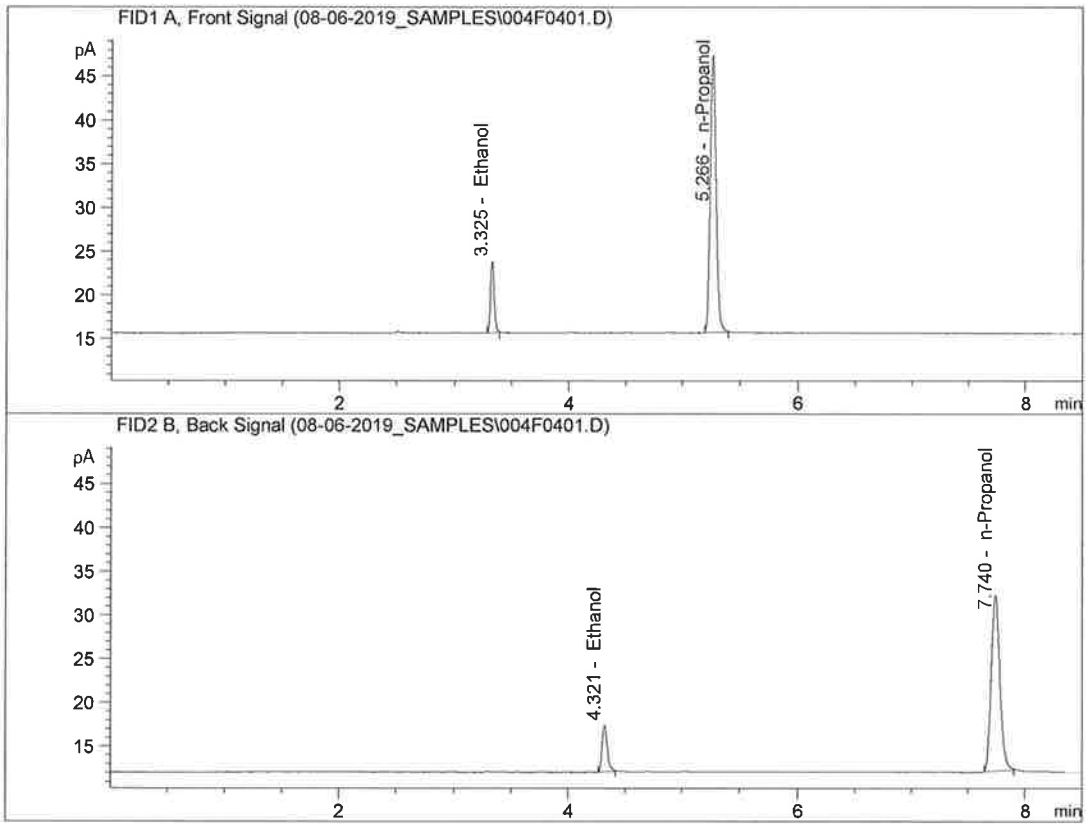
Reported Result

0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

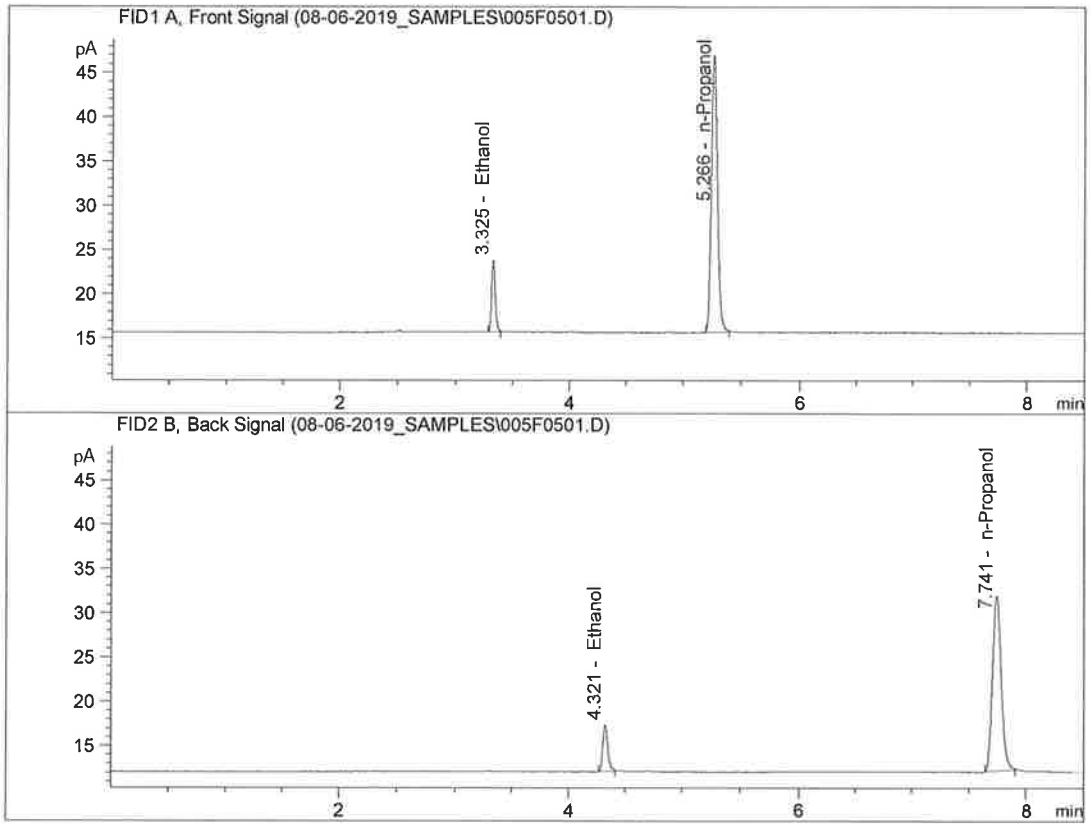
Sample Name	:	QC1-1-A
Laboratory	:	Pocatello
Injection Date	:	Aug 6, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.67513	0.0823	g/100cc
2.	Ethanol	Column 2:	16.16005	0.0766	g/100cc
3.	n-Propanol	Column 1:	114.19719	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.03561	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC1-1-B
Laboratory	:	Pocatello
Injection Date	:	Aug 6, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.50328	0.0827	g/100cc
2.	Ethanol	Column 2:	16.15027	0.0775	g/100cc
3.	n-Propanol	Column 1:	112.60050	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.82879	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.080 QA **Analysis Date(s): 8/6/19**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0837	0.0781	0.0056	0.0809	0.0817	
(g/100cc)	0.0851	0.0802	0.0049	0.0826		

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

Reported Result

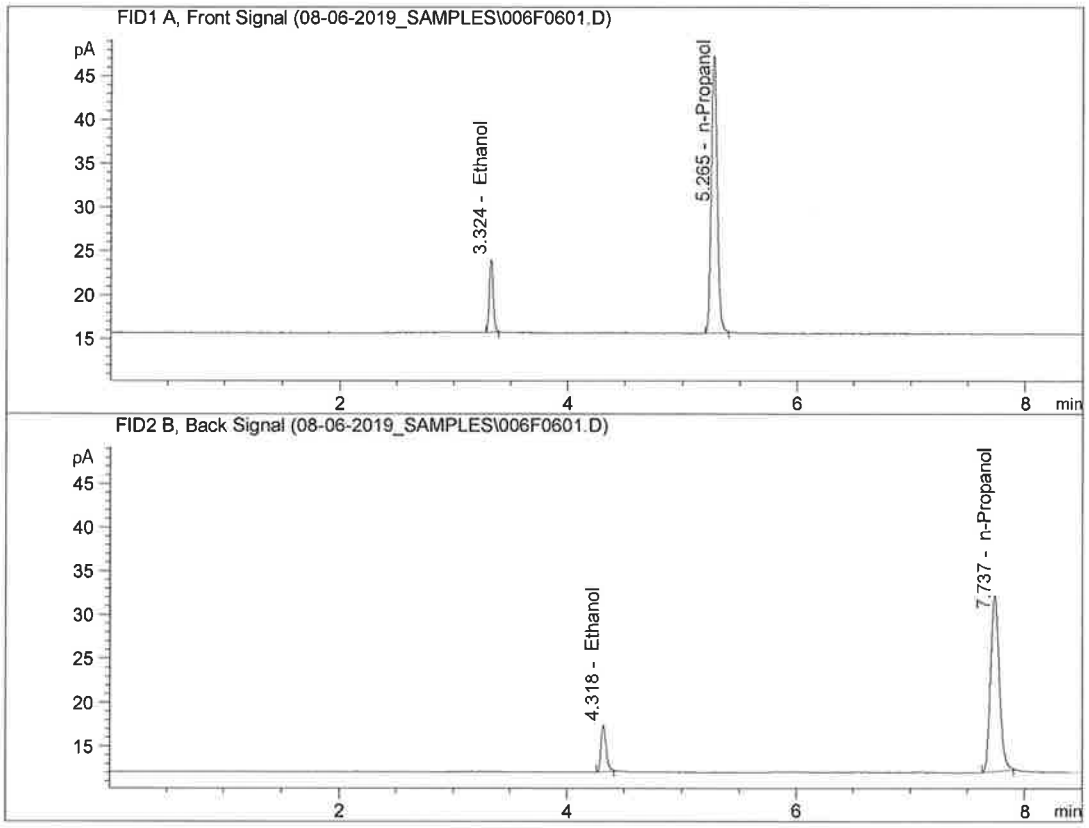
0.081

Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

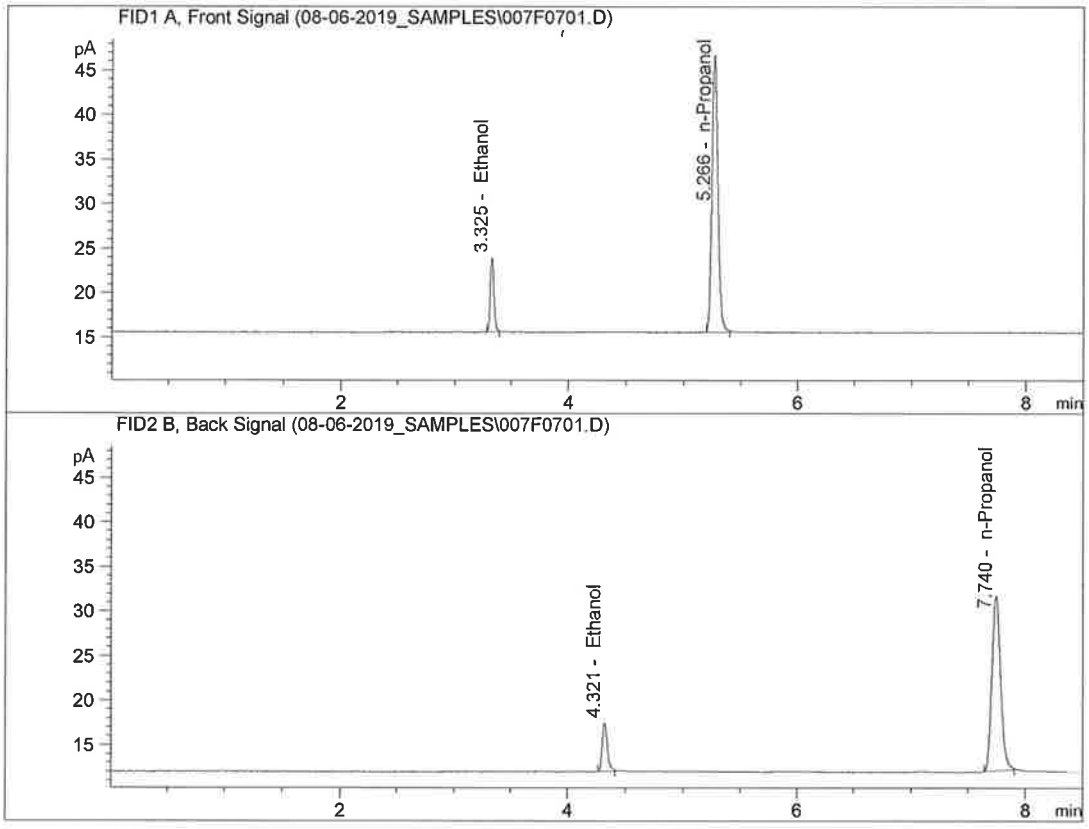
Sample Name	:	08 QA-A
Laboratory	:	Pocatello
Injection Date	:	Aug 6, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.01243	0.0837	g/100cc
2.	Ethanol	Column 2:	16.50166	0.0781	g/100cc
3.	n-Propanol	Column 1:	114.28143	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.21857	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	08 QA-B
Laboratory	:	Pocatello
Injection Date	:	Aug 6, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.97199	0.0851	g/100cc
2.	Ethanol	Column 2:	16.60600	0.0802	g/100cc
3.	n-Propanol	Column 1:	112.14071	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.09203	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 8/6/19**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2031	0.1970	0.0061	0.2000	0.1996	
(g/100cc)	0.2018	0.1966	0.0052	0.1992		

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%**

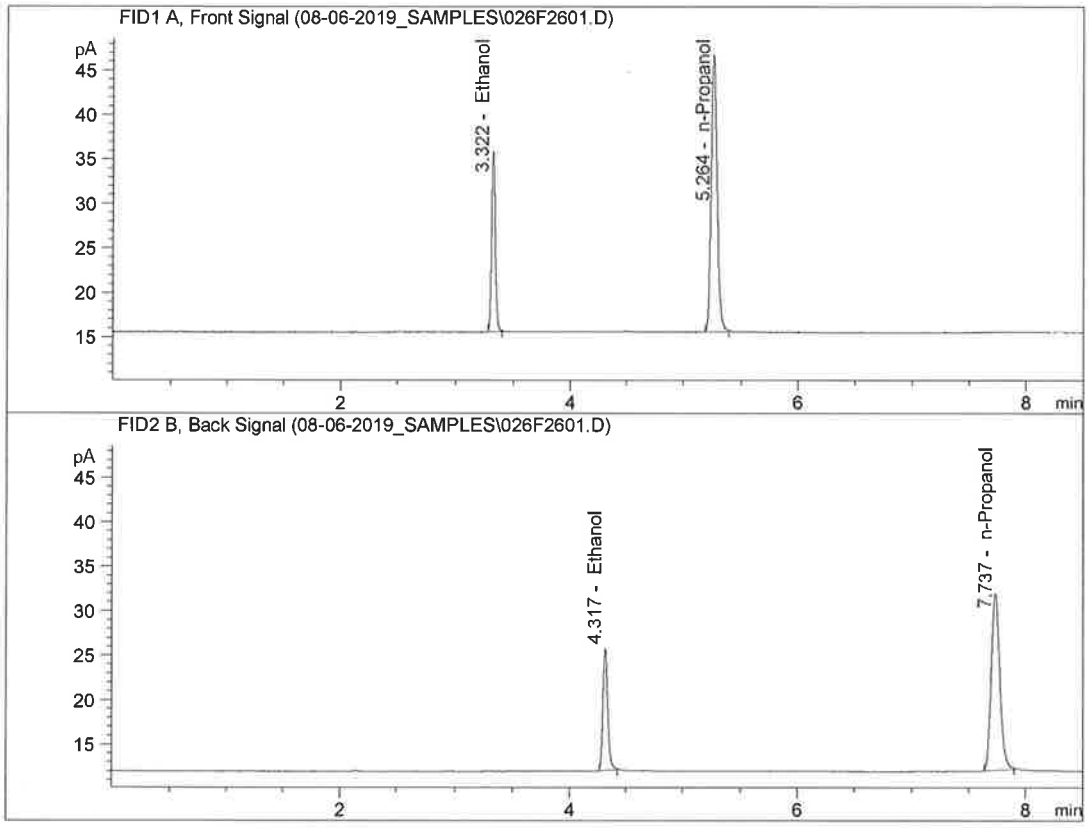
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	**0.189**	**0.209**	**0.010**

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

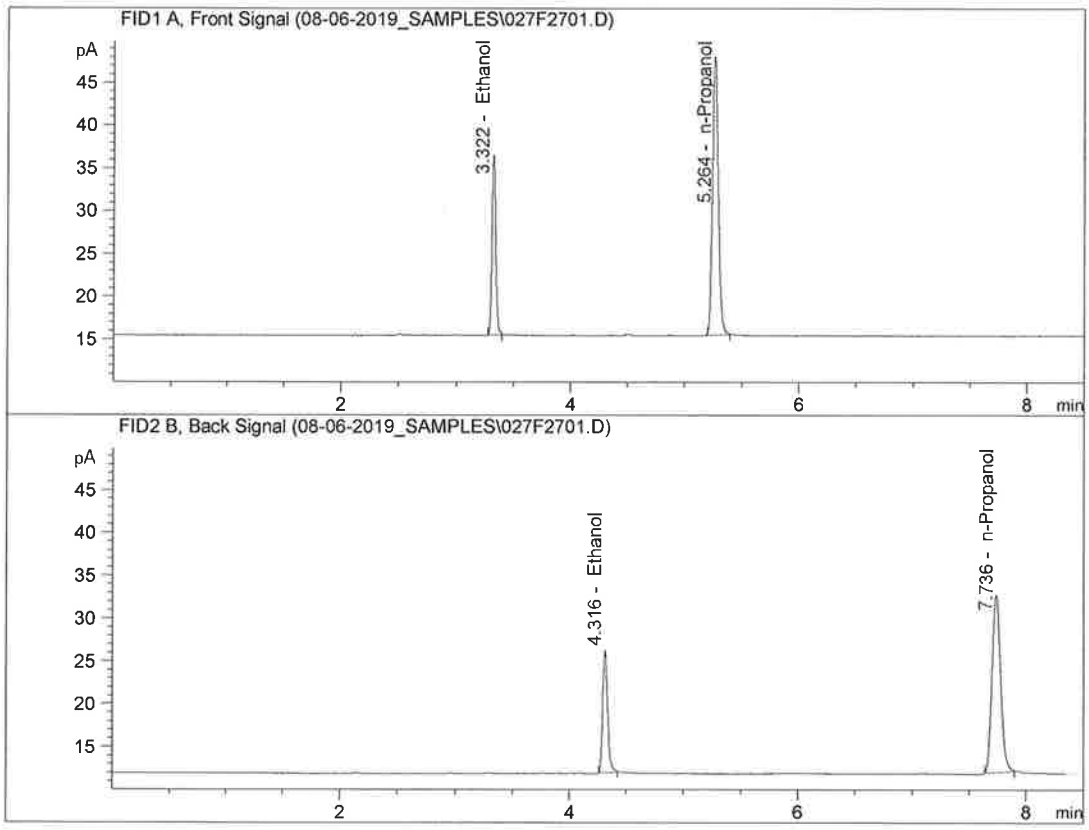
Sample Name	:	QC2-1-A
Laboratory	:	Pocatello
Injection Date	:	Aug 6, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.26247	0.2031	g/100cc
2.	Ethanol	Column 2:	41.04531	0.1970	g/100cc
3.	n-Propanol	Column 1:	112.10548	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.76847	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Pocatello
Injection Date : Aug 6, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	47.00791	0.2018	g/100cc
2.	Ethanol	Column 2:	42.77782	0.1966	g/100cc
3.	n-Propanol	Column 1:	117.18949	1.0000	g/100cc
4.	n-Propanol	Column 2:	109.43636	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 8/6/19**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0829	0.0784	0.0045	0.0806	0.0805	
(g/100cc)	0.0828	0.0779	0.0049	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: MD96JF1032

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

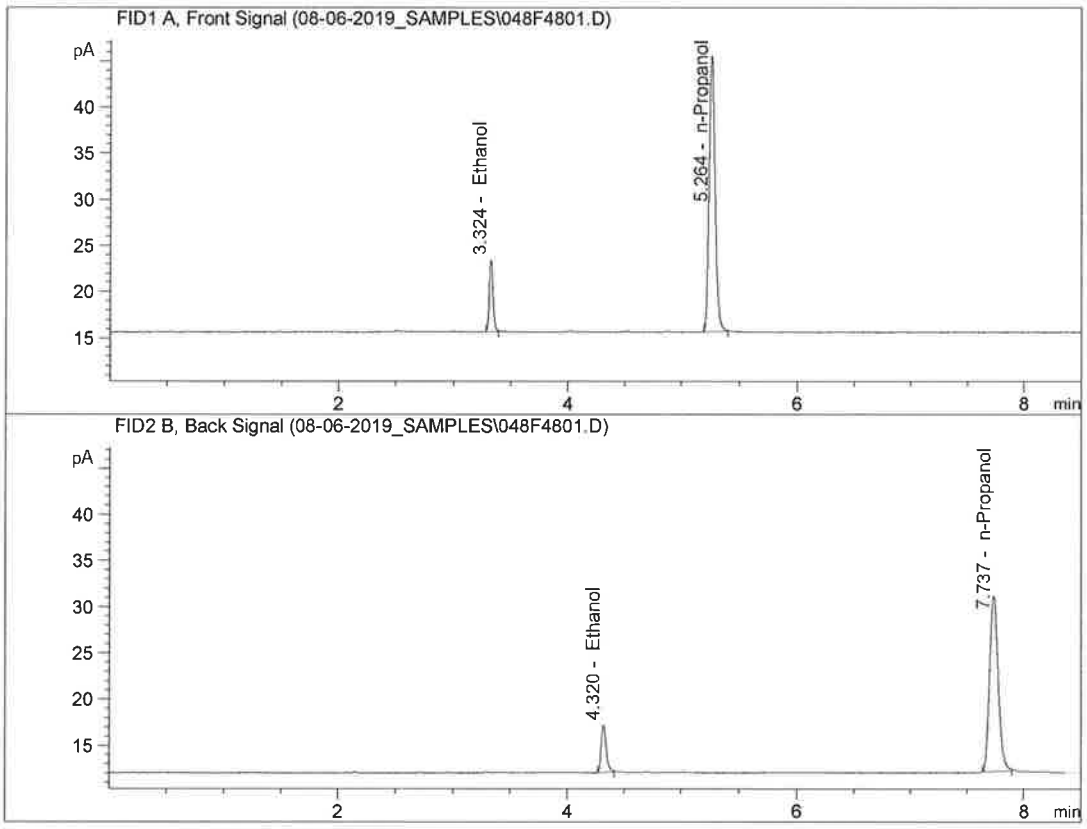
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	0.076	0.084	0.004

Reported Result
0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

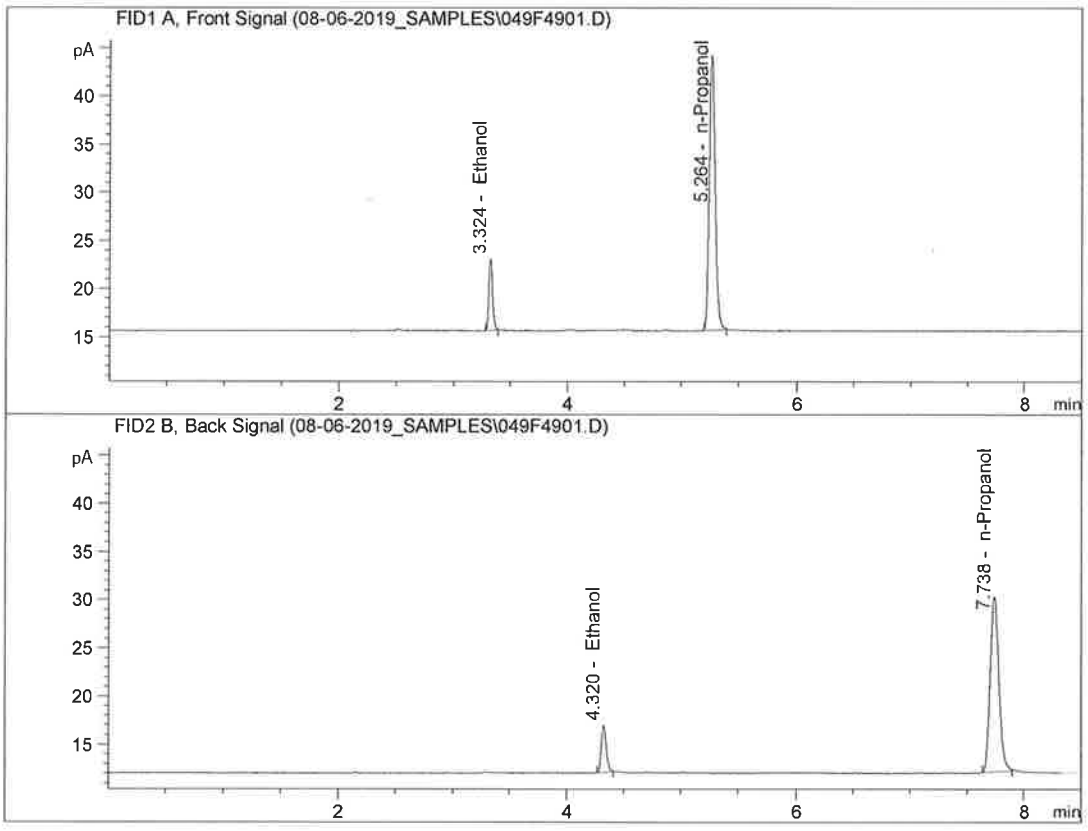
Sample Name	:	QC1-2-A
Laboratory	:	Pocatello
Injection Date	:	Aug 7, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.70594	0.0829	g/100cc
2.	Ethanol	Column 2:	15.68571	0.0784	g/100cc
3.	n-Propanol	Column 1:	107.42077	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.60293	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	QC1-2-B
Laboratory	:	Pocatello
Injection Date	:	Aug 7, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.87426	0.0828	g/100cc
2.	Ethanol	Column 2:	14.89082	0.0779	g/100cc
3.	n-Propanol	Column 1:	102.49210	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.15534	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 8/6/19**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2099	0.2043	0.0056	0.2071	0.2058	
(g/100cc)	0.2075	0.2018	0.0057	0.2046		

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
0.205	**0.194**	**0.216**	**0.011**

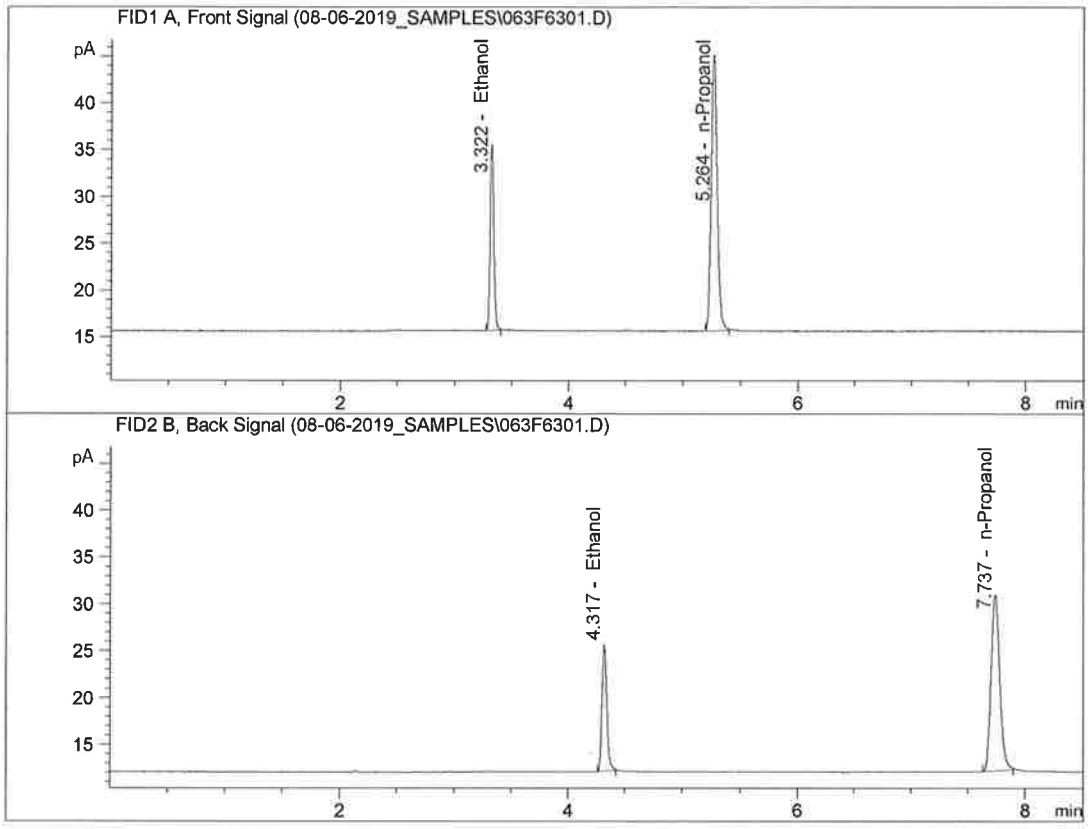
Reported Result

0.205

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

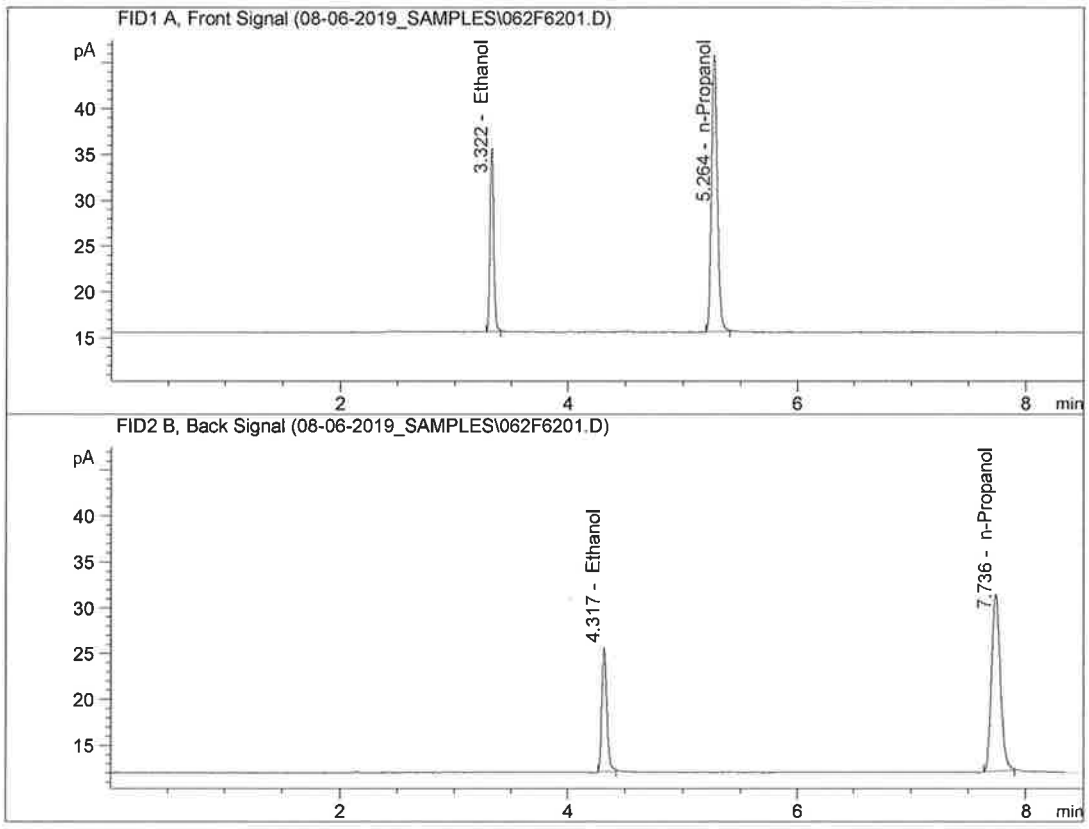
Sample Name	:	QC2-2-B
Laboratory	:	Pocatello
Injection Date	:	Aug 7, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.15714	0.2099	g/100cc
2.	Ethanol	Column 2:	40.30853	0.2043	g/100cc
3.	n-Propanol	Column 1:	105.84280	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.21530	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

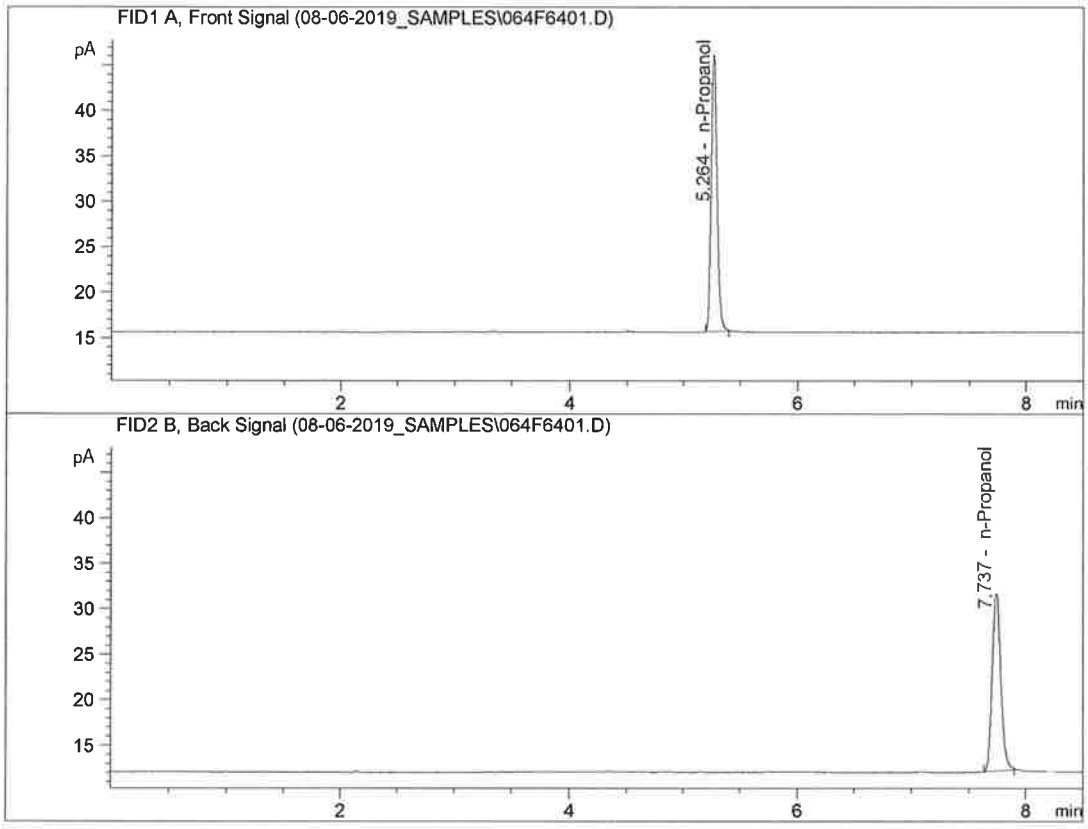
Sample Name	:	QC2-2-A
Laboratory	:	Pocatello
Injection Date	:	Aug 7, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.74803	0.2075	g/100cc
2.	Ethanol	Column 2:	40.87607	0.2018	g/100cc
3.	n-Propanol	Column 1:	108.48463	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.86192	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
Laboratory : Pocatello
Injection Date : Aug 7, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

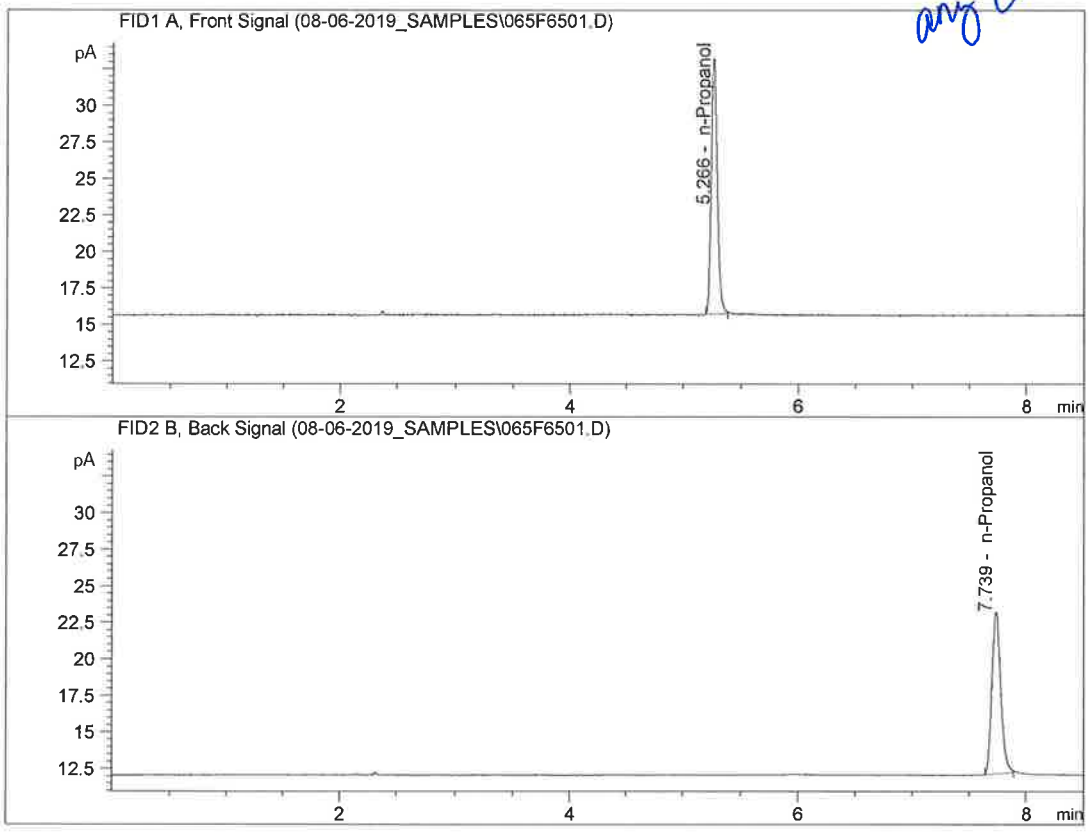


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	109.26466	1.0000	g/100cc
4.	n-Propanol	Column 2:	103.12964	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	DFE
Laboratory	:	Pocatello
Injection Date	:	Aug 7, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010

Will make new & re-run if needed for any cases.

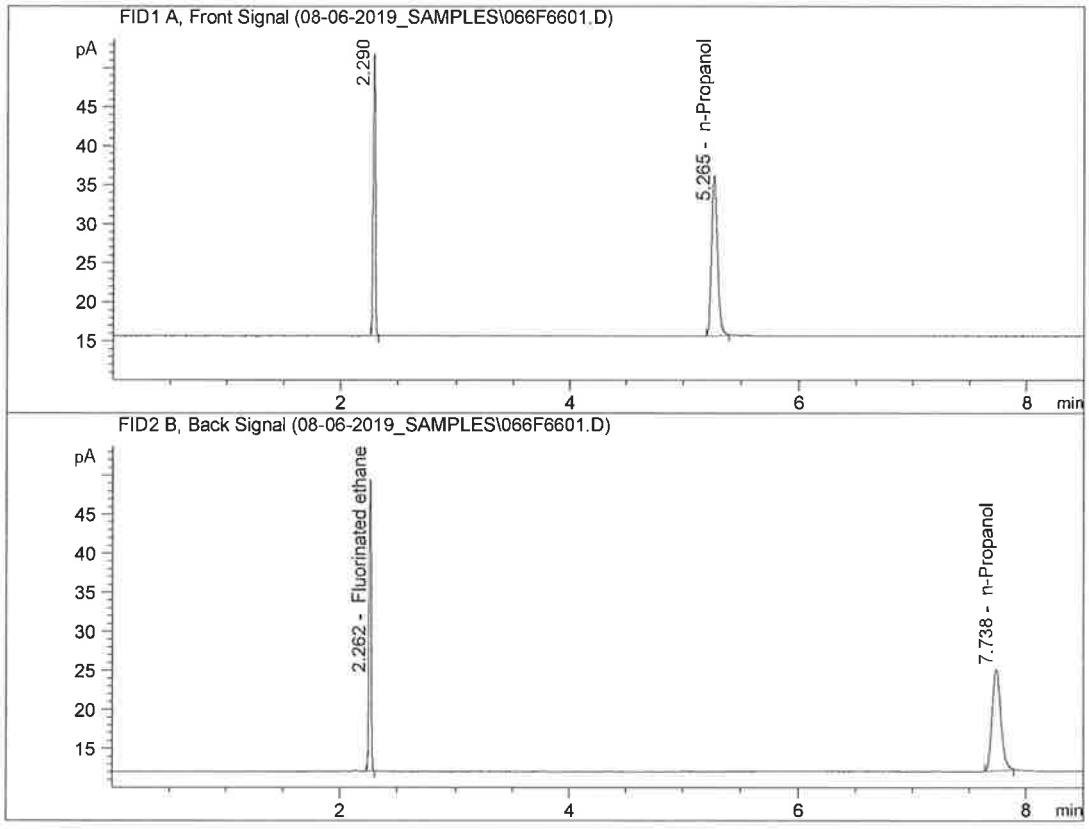


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	63.73034	1.0000	g/100cc
4.	n-Propanol	Column 2:	59.20061	1.0000	g/100cc

JRC

ISP Forensic Services Blood Alcohol Report

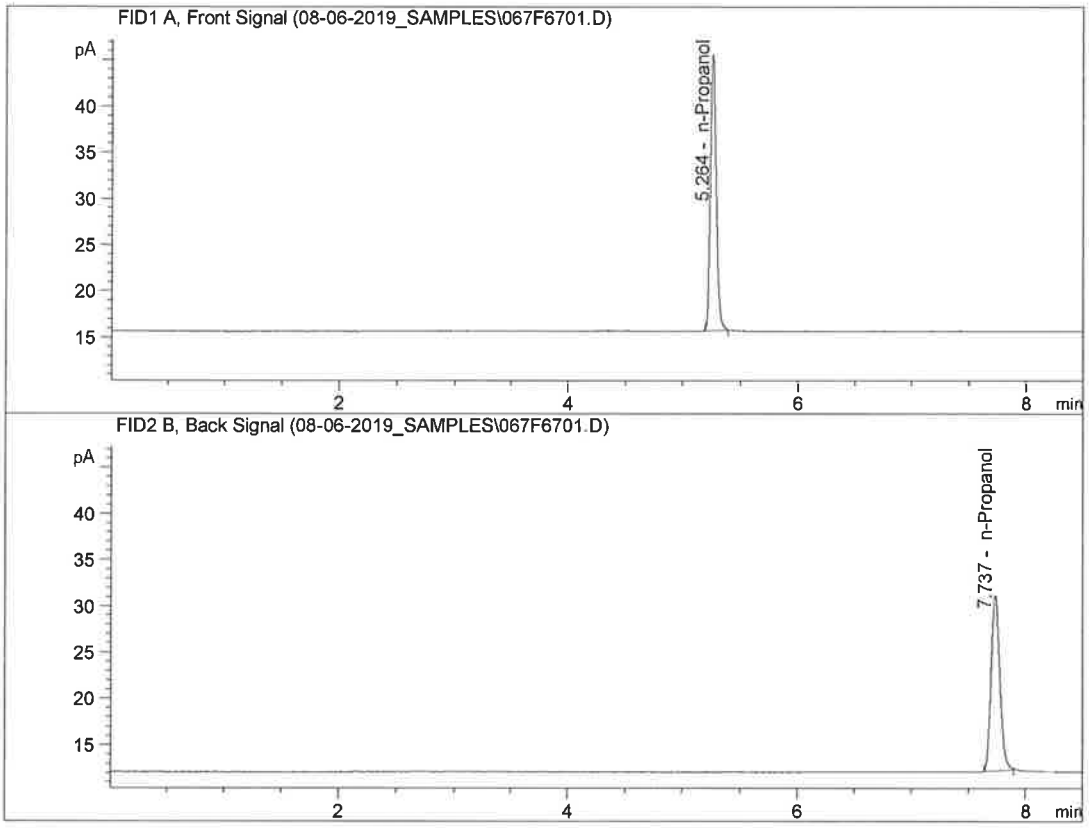
Sample Name	:	TFE
Laboratory	:	Pocatello
Injection Date	:	Aug 7, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	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:	74.34326	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.11327	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
Laboratory : Pocatello
Injection Date : Aug 7, 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:	106.87258	1.0000	g/100cc
4.	n-Propanol	Column 2:	100.20845	1.0000	g/100cc

SEQUENCE TABLE:

Line	: 1
Location	: 1
Sample Information	:
Sample Name	: INTERNAL STD BLK
Method Name	: ALCOHOL

Line	: 2
Location	: 2
Sample Information	:
Sample Name	: MULTI-COMP MIX
Method Name	: ALCOHOL

Line	: 3
Location	: 3
Sample Information	:
Sample Name	: INTERNAL STD
Method Name	: ALCOHOL

Line	: 4
Location	: 4
Sample Information	:
Sample Name	: QC1-1-A
Method Name	: ALCOHOL

Line	: 5
Location	: 5
Sample Information	:
Sample Name	: QC1-1-B
Method Name	: ALCOHOL

Line	: 6
Location	: 6
Sample Information	:
Sample Name	: 08 QA-A
Method Name	: ALCOHOL

Line	: 7
Location	: 7
Sample Information	:
Sample Name	: 08 QA-B
Method Name	: ALCOHOL

Line : 8
Location : 8
Sample Information :
Sample Name : P2019-1918-3_1-A
Method Name : ALCOHOL

Line : 9
Location : 9
Sample Information :
Sample Name : P2019-1918-3_1-B
Method Name : ALCOHOL

Line : 10
Location : 10
Sample Information :
Sample Name : P2019-1918-3_2-A
Method Name : ALCOHOL

Line : 11
Location : 11
Sample Information :
Sample Name : P2019-1918-3_2-B
Method Name : ALCOHOL

Line : 12
Location : 12
Sample Information :
Sample Name : P2019-1918-3_3-A
Method Name : ALCOHOL

Line : 13
Location : 13
Sample Information :
Sample Name : P2019-1918-3_3-B
Method Name : ALCOHOL

Line : 14
Location : 14
Sample Information :
Sample Name : P2019-2235-1-A
Method Name : ALCOHOL

Line : 15
Location : 15
Sample Information :
Sample Name : P2019-2235-1-B

Method Name : ALCOHOL

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Line : 16
Location : 16
Sample Information :
Sample Name : P2019-2237-1-A
Method Name : ALCOHOL

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Line : 17
Location : 17
Sample Information :
Sample Name : P2019-2237-1-B
Method Name : ALCOHOL

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Line : 18
Location : 18
Sample Information :
Sample Name : P2019-2241-1-A
Method Name : ALCOHOL

==========

Line : 19
Location : 19
Sample Information :
Sample Name : P2019-2241-1-B
Method Name : ALCOHOL

==========

Line : 20
Location : 20
Sample Information :
Sample Name : P2019-2242-1-A
Method Name : ALCOHOL

==========

Line : 21
Location : 21
Sample Information :
Sample Name : P2019-2242-1-B
Method Name : ALCOHOL

==========

Line : 22
Location : 22
Sample Information :
Sample Name : P2019-2243-1-A
Method Name : ALCOHOL

==========

Line : 23
Location : 23
Sample Information :
Sample Name : P2019-2243-1-B
Method Name : ALCOHOL

==========

Line : 24
Location : 24
Sample Information :
Sample Name : P2019-2251-1-A
Method Name : ALCOHOL

==========

Line : 25
Location : 25
Sample Information :
Sample Name : P2019-2251-1-B
Method Name : ALCOHOL

==========

Line : 26
Location : 26
Sample Information :
Sample Name : QC2-1-A
Method Name : ALCOHOL

==========

Line : 27
Location : 27
Sample Information :
Sample Name : QC2-1-B
Method Name : ALCOHOL

==========

Line : 28
Location : 28
Sample Information :
Sample Name : P2019-2256-1-A
Method Name : ALCOHOL

==========

Line : 29
Location : 29
Sample Information :
Sample Name : P2019-2256-1-B
Method Name : ALCOHOL

==========

Line : 30
Location : 30
Sample Information :
Sample Name : P2019-2260-1-A

Method Name : ALCOHOL

==========

Line : 31
Location : 31
Sample Information :
Sample Name : P2019-2260-1-B
Method Name : ALCOHOL

==========

Line : 32
Location : 32
Sample Information :
Sample Name : P2019-2264-1-A
Method Name : ALCOHOL

==========

Line : 33
Location : 33
Sample Information :
Sample Name : P2019-2264-1-B
Method Name : ALCOHOL

==========

Line : 34
Location : 34
Sample Information :
Sample Name : P2019-2265-1-A
Method Name : ALCOHOL

==========

Line : 35
Location : 35
Sample Information :
Sample Name : P2019-2265-1-B
Method Name : ALCOHOL

==========

Line : 36
Location : 36
Sample Information :
Sample Name : P2019-2275-1-A
Method Name : ALCOHOL

==========

Line : 37
Location : 37
Sample Information :
Sample Name : P2019-2275-1-B
Method Name : ALCOHOL

==========

Line : 38
Location : 38
Sample Information :
Sample Name : P2019-2276-1-A
Method Name : ALCOHOL

Line : 39
Location : 39
Sample Information :
Sample Name : P2019-2276-1-B
Method Name : ALCOHOL

Line : 40
Location : 40
Sample Information :
Sample Name : P2019-2288-1-A
Method Name : ALCOHOL

Line : 41
Location : 41
Sample Information :
Sample Name : P2019-2288-1-B
Method Name : ALCOHOL

Line : 42
Location : 42
Sample Information :
Sample Name : P2019-2296-1-A
Method Name : ALCOHOL

Line : 43
Location : 43
Sample Information :
Sample Name : P2019-2296-1-B
Method Name : ALCOHOL

Line : 44
Location : 44
Sample Information :
Sample Name : P2019-2298-1-A
Method Name : ALCOHOL

Line : 45
Location : 45
Sample Information :
Sample Name : P2019-2298-1-B

Method Name : ALCOHOL

==========

Line : 46
Location : 46
Sample Information :
Sample Name : P2019-2306-1-A
Method Name : ALCOHOL

==========

Line : 47
Location : 47
Sample Information :
Sample Name : P2019-2306-1-B
Method Name : ALCOHOL

==========

Line : 48
Location : 48
Sample Information :
Sample Name : QC1-2-A
Method Name : ALCOHOL

==========

Line : 49
Location : 49
Sample Information :
Sample Name : QC1-2-B
Method Name : ALCOHOL

==========

Line : 50
Location : 50
Sample Information :
Sample Name : P2019-2309-1-A
Method Name : ALCOHOL

==========

Line : 51
Location : 51
Sample Information :
Sample Name : P2019-2309-1-B
Method Name : ALCOHOL

==========

Line : 52
Location : 52
Sample Information :
Sample Name : P2019-2314-1-A
Method Name : ALCOHOL

==========

Line : 53
Location : 53
Sample Information :
Sample Name : P2019-2314-1-B
Method Name : ALCOHOL

==========

Line : 54
Location : 54
Sample Information :
Sample Name : P2019-2318-1-A
Method Name : ALCOHOL

==========

Line : 55
Location : 55
Sample Information :
Sample Name : P2019-2318-1-B
Method Name : ALCOHOL

==========

Line : 56
Location : 56
Sample Information :
Sample Name : P2019-2343-1-A
Method Name : ALCOHOL

==========

Line : 57
Location : 57
Sample Information :
Sample Name : P2019-2343-1-B
Method Name : ALCOHOL

==========

Line : 58
Location : 58
Sample Information :
Sample Name : P2019-2343-2-A
Method Name : ALCOHOL

==========

Line : 59
Location : 59
Sample Information :
Sample Name : P2019-2343-2-B
Method Name : ALCOHOL

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Line : 60
Location : 60
Sample Information :
Sample Name : P2019-2350-1-A

Method Name : ALCOHOL

==========

Line : 61
Location : 61
Sample Information :
Sample Name : P2019-2350-1-B
Method Name : ALCOHOL

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Line : 62
Location : 62
Sample Information :
Sample Name : QC2-2-A
Method Name : ALCOHOL

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Line : 63
Location : 63
Sample Information :
Sample Name : QC2-2-B
Method Name : ALCOHOL

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Line : 64
Location : 64
Sample Information :
Sample Name : INT STD BLK
Method Name : ALCOHOL

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Line : 65
Location : 65
Sample Information :
Sample Name : DFE
Method Name : ALCOHOL

==========

Line : 66
Location : 66
Sample Information :
Sample Name : TFE
Method Name : ALCOHOL

==========

Line : 67
Location : 67
Sample Information :
Sample Name : INT STD BLK
Method Name : ALCOHOL

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Sequence Summary Parameters:

One page header:	No
Print Configuration:	No
Print Sequence:	No
Print Logbook:	No
Print Method(s):	No
Print Analysis reports:	No
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Summary style:	Sample Summary