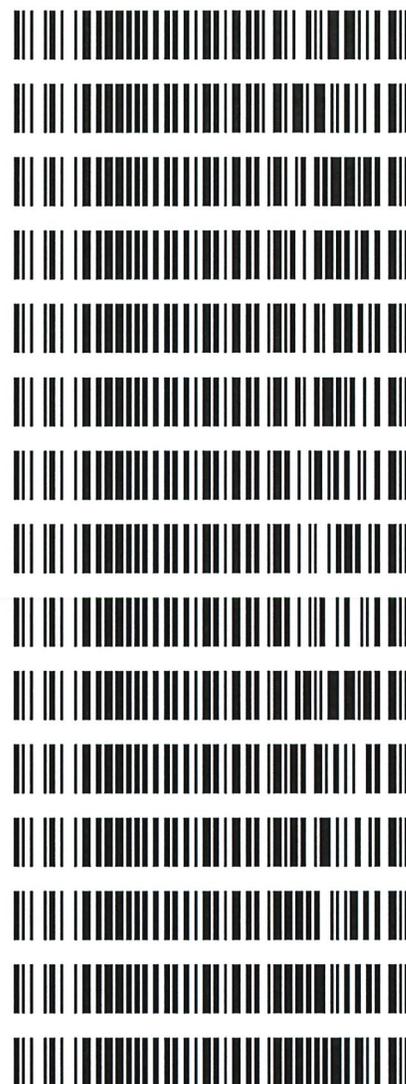


Worklist: 3733

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2019-2540	1	165773	Alcohol Analysis
P2019-2690	1	162215	Alcohol Analysis
P2019-2892	1	164190	Alcohol Analysis
P2019-2907	1	164290	Alcohol Analysis
P2019-2907	2	164294	Alcohol Analysis
P2019-2917	1	164600	Alcohol Analysis
P2019-2947	1	164819	Alcohol Analysis
P2019-2955	1	164856	Alcohol Analysis
P2019-2956	1	164857	Alcohol Analysis
P2019-2973	1	165122	Alcohol Analysis
P2019-2979	1	165137	Alcohol Analysis
P2019-2991	1	165188	Alcohol Analysis
P2019-3018	1	165441	Alcohol Analysis
P2019-3021	1	165452	Alcohol Analysis
P2019-3022	1	165456	Alcohol Analysis

**REVIEWED**

By Jeremy Johnston at 2:06 pm, Oct 02, 2019

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): 10/1/19

Calibration Curve Run Date: 09/20/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0768 g/100cc
					0.0782 g/100cc
					0.1980 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1980 g/100cc g/100cc
Multi-Component mixture: Ceriliant		Lot #	FN07101701		
Curve Fit:		Column 1	1.00000	Column 2	0.99990

Ethanol Calibration Reference Material						
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0499	0.0470	0.0029	0.0484
100	0.100	0.090 - 0.110	0.0996	0.0950	0.0046	0.0973
200	0.200	0.180 - 0.220	0.1993	0.1957	0.0036	0.1975
300	0.300	0.270 - 0.330	0.2995	0.2973	0.0022	0.2984
500	0.500	0.450 - 0.550	0.5007	0.5046	0.0039	0.5026

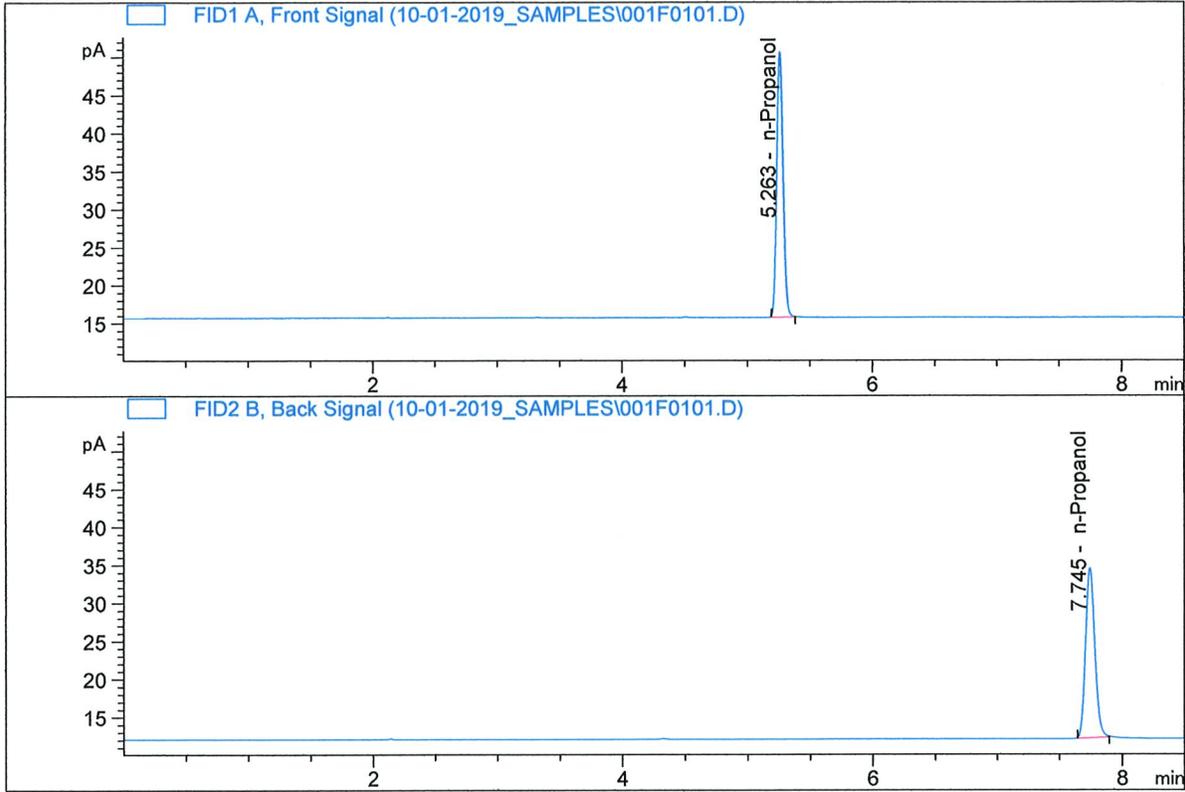
Aqueous Controls			
Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.077 g/100cc

Revision: 1

Issue Date: 01/03/2019

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 1
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

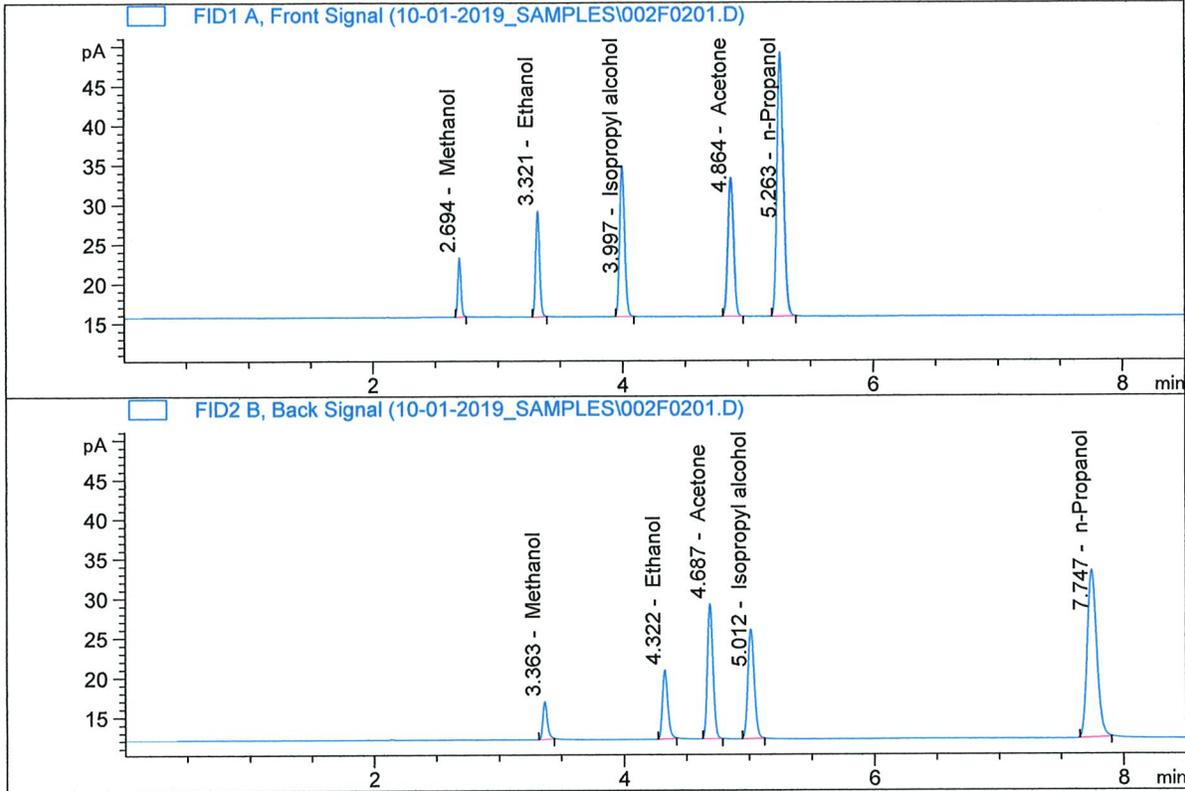


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	123.94962	1.0000	g/100cc
4.	n-Propanol	Column 2:	117.74326	1.0000	g/100cc

WRC

ISP Forensic Services Blood Alcohol Report

Sample Name : MULTI-COMP MIX
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

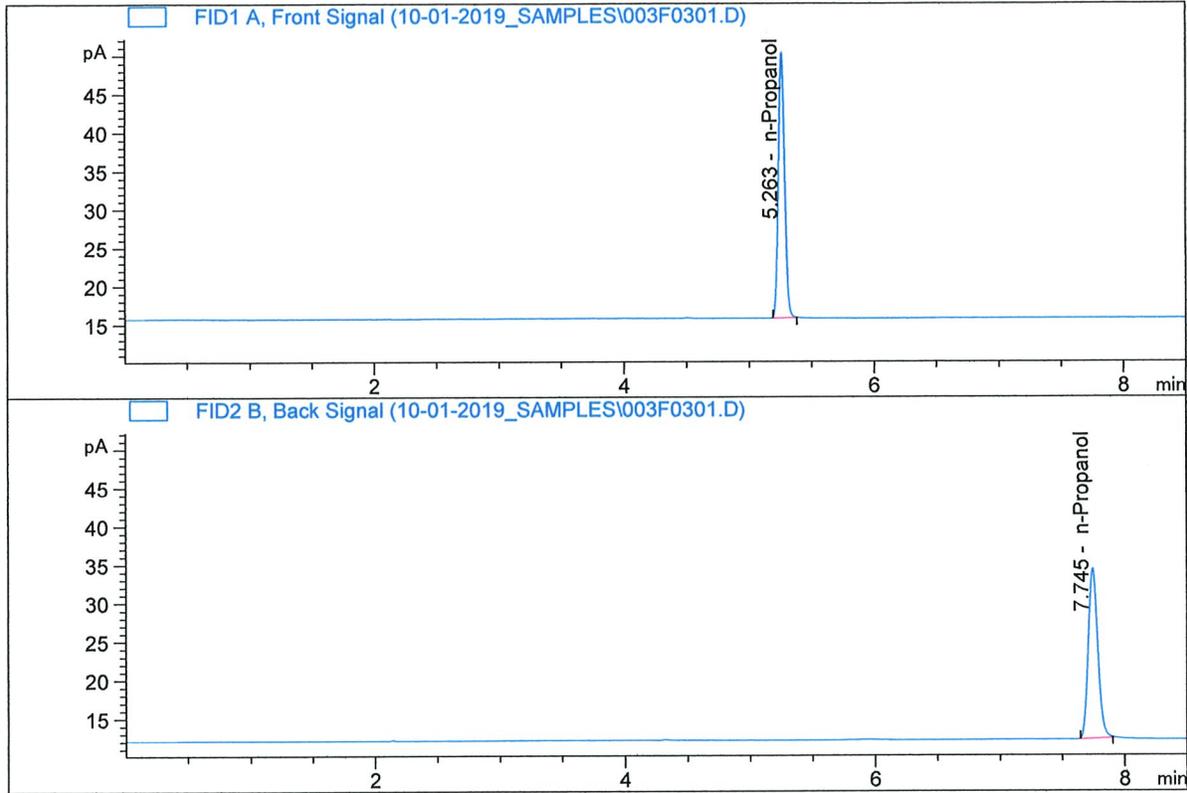


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	29.35853	0.1324	g/100cc
2.	Ethanol	Column 2:	26.23044	0.1270	g/100cc
3.	n-Propanol	Column 1:	118.54096	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.86169	1.0000	g/100cc

Handwritten signature/initials

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 2
 Laboratory : Pocatello
 Injection Date : Oct 1, 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:	122.69389	1.0000	g/100cc
4.	n-Propanol	Column 2:	116.47171	1.0000	g/100cc

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 01 Oct 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0790	0.0737	0.0053	0.0763	0.0768	
(g/100cc)	0.0796	0.0749	0.0047	0.0772		

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
0.076	0.072	0.080	0.004

Reported Result	
0.076	

Calibration and control data are stored centrally.



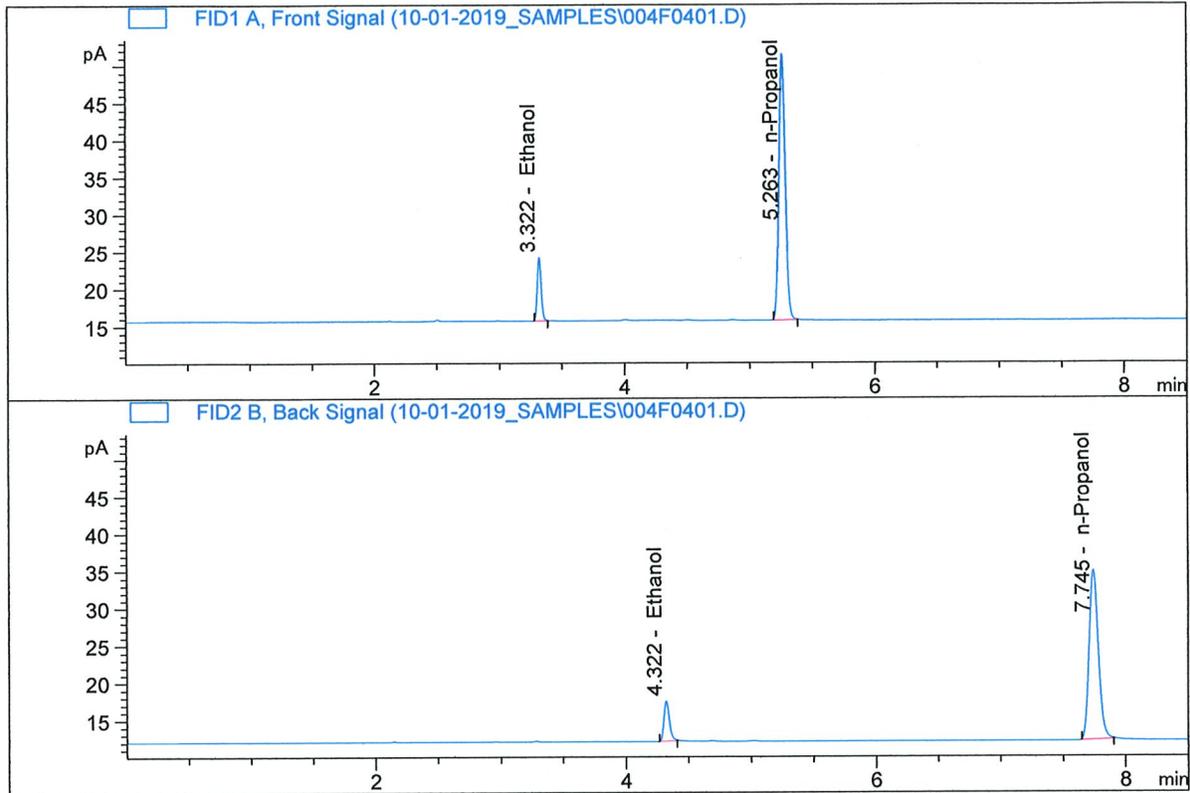
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

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

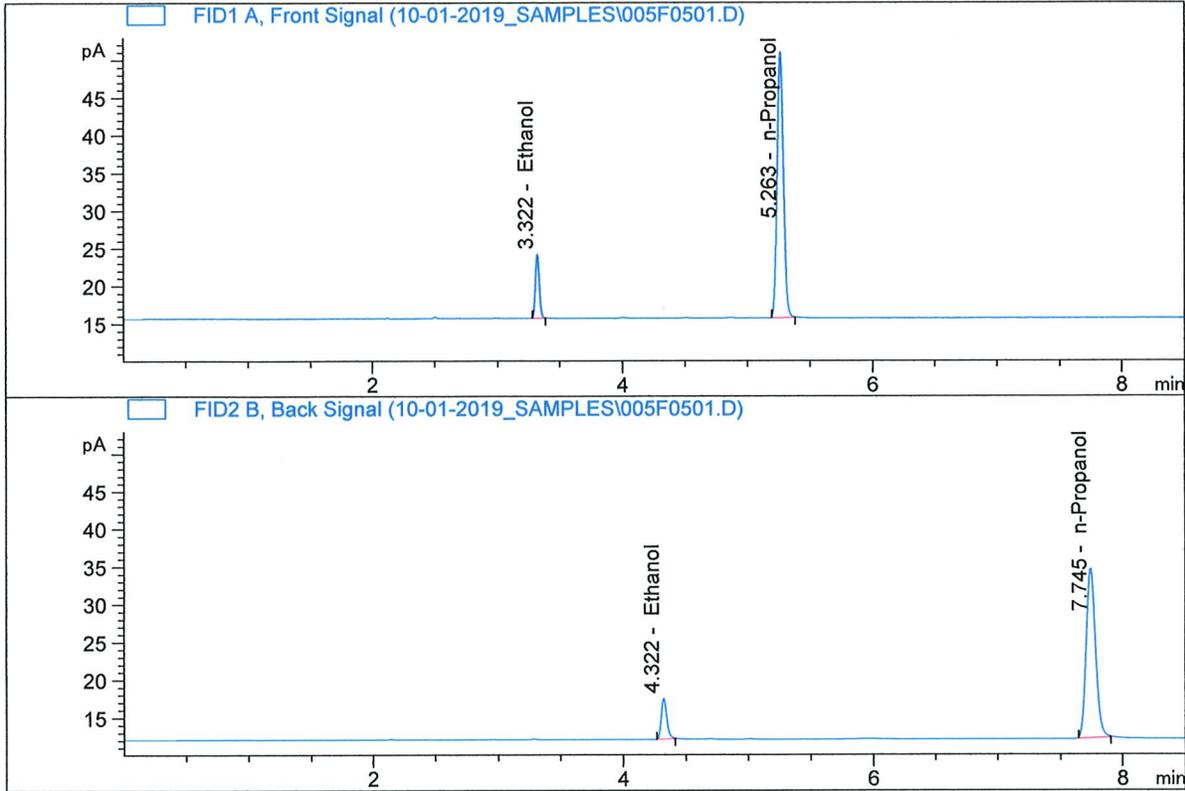


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.71128	0.0790	g/100cc
2.	Ethanol	Column 2:	16.34922	0.0737	g/100cc
3.	n-Propanol	Column 1:	126.71415	1.0000	g/100cc
4.	n-Propanol	Column 2:	120.18902	1.0000	g/100cc

CR

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.66247	0.0796	g/100cc
2.	Ethanol	Column 2:	16.44059	0.0749	g/100cc
3.	n-Propanol	Column 1:	125.31651	1.0000	g/100cc
4.	n-Propanol	Column 2:	118.89867	1.0000	g/100cc

JRC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA

Analysis Date(s): 01 Oct 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0805	0.0752	0.0053	0.0778	0.0778	
(g/100cc)	0.0804	0.0754	0.0050	0.0779		

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.



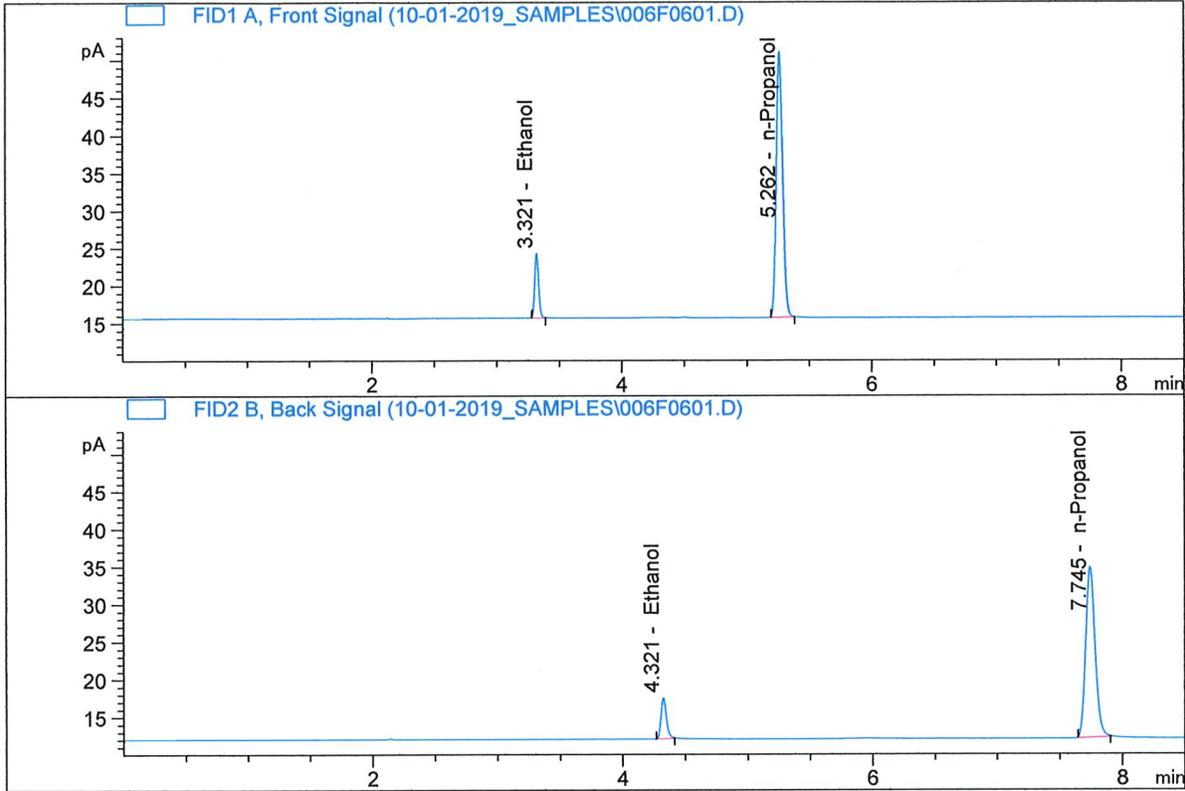
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-A
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

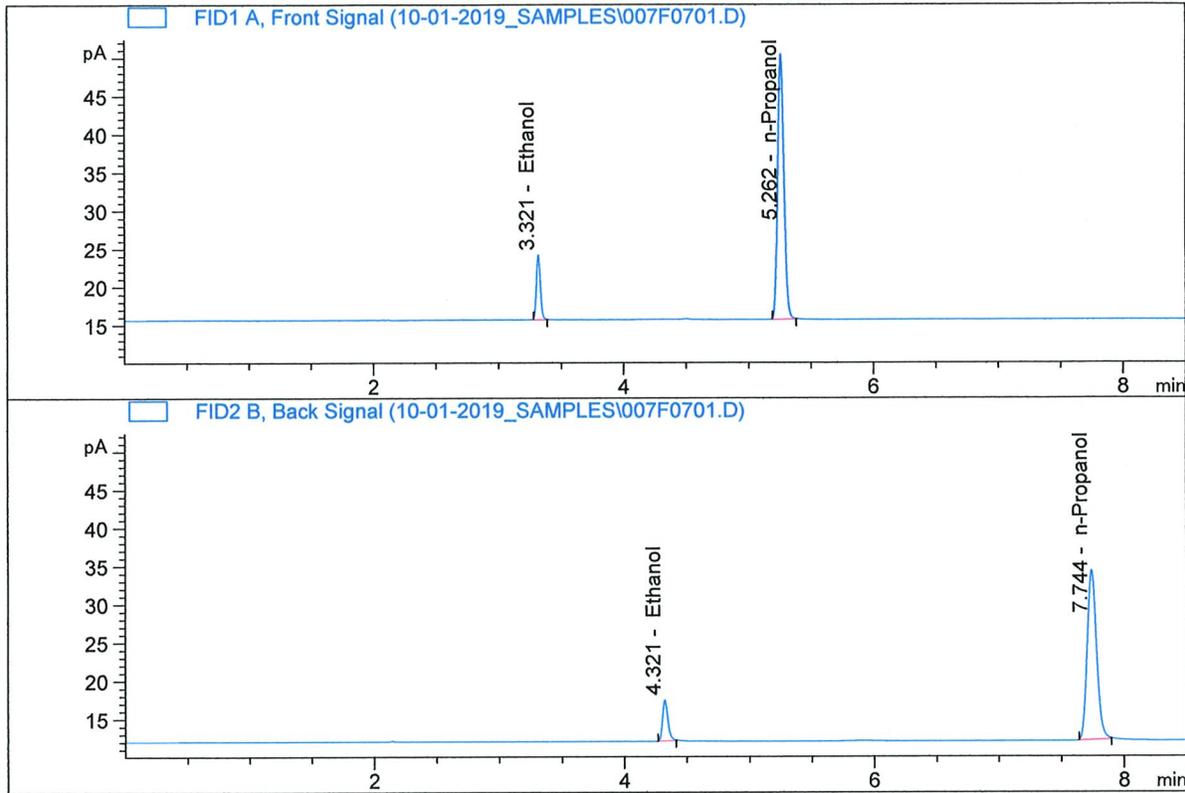


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.88374	0.0805	g/100cc
2.	Ethanol	Column 2:	16.54057	0.0752	g/100cc
3.	n-Propanol	Column 1:	125.41062	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.17934	1.0000	g/100cc

RC

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.54560	0.0804	g/100cc
2.	Ethanol	Column 2:	16.27279	0.0754	g/100cc
3.	n-Propanol	Column 1:	123.39270	1.0000	g/100cc
4.	n-Propanol	Column 2:	116.85162	1.0000	g/100cc

CR

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 01 Oct 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2003	0.1948	0.0055	0.1975	0.1980	
(g/100cc)	0.2009	0.1963	0.0046	0.1986		

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
0.198	0.188	0.208	0.010

Reported Result	
0.198	

Calibration and control data are stored centrally.



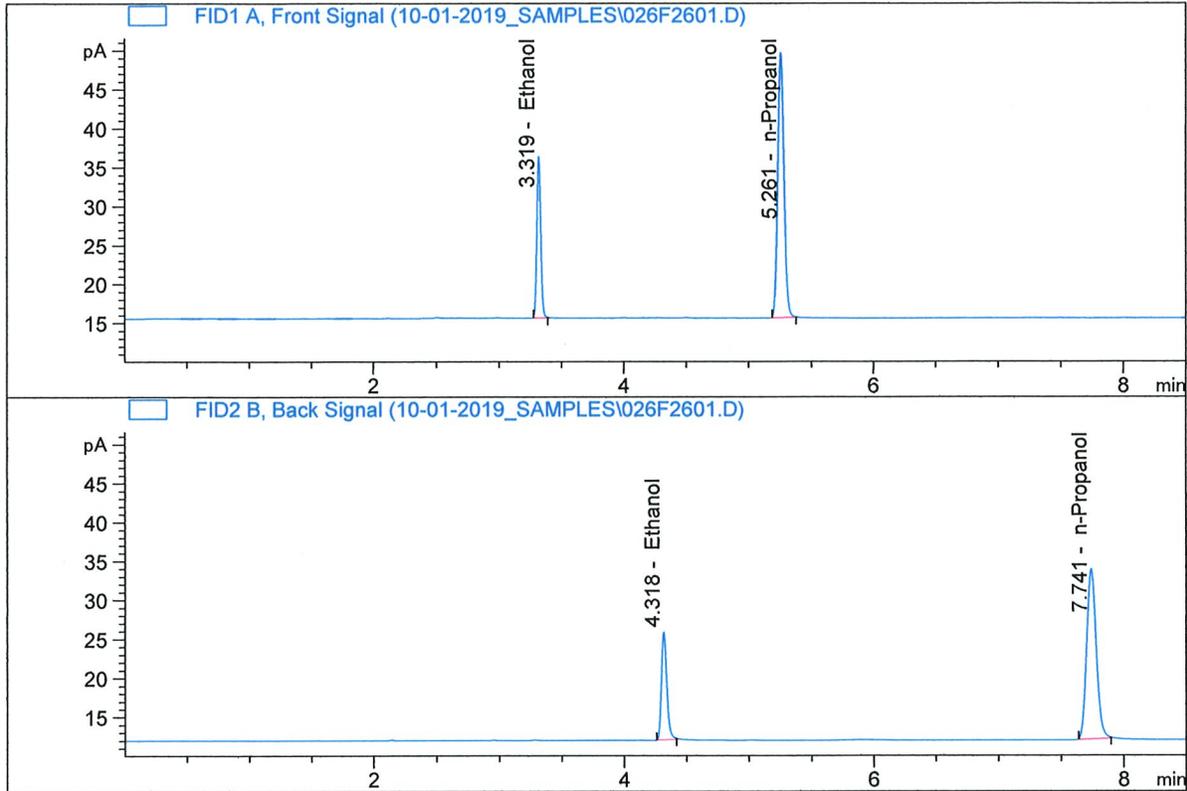
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

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

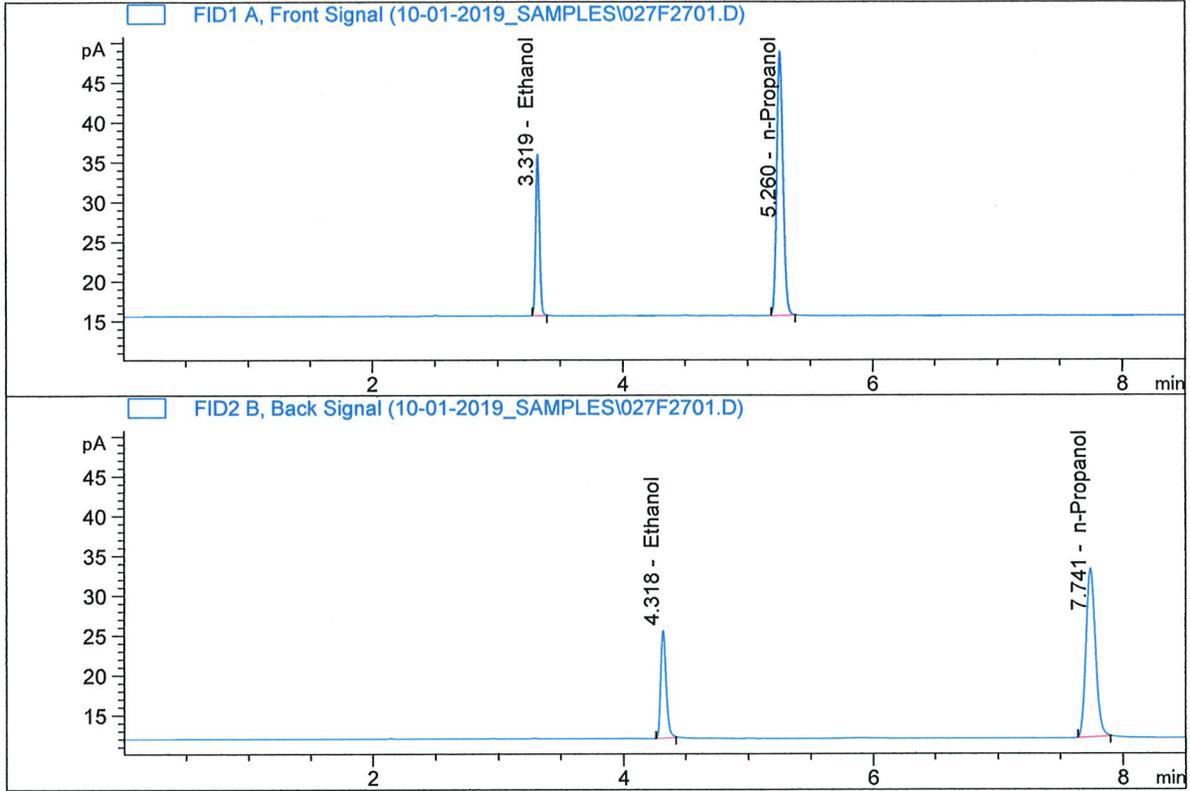


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.26797	0.2003	g/100cc
2.	Ethanol	Column 2:	41.26682	0.1948	g/100cc
3.	n-Propanol	Column 1:	120.84461	1.0000	g/100cc
4.	n-Propanol	Column 2:	114.79495	1.0000	g/100cc

RC

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.38272	0.2009	g/100cc
2.	Ethanol	Column 2:	40.56971	0.1963	g/100cc
3.	n-Propanol	Column 1:	118.11094	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.98063	1.0000	g/100cc

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 01 Oct 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0807	0.0759	0.0048	0.0783	0.0782	
(g/100cc)	0.0807	0.0756	0.0051	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.

RC

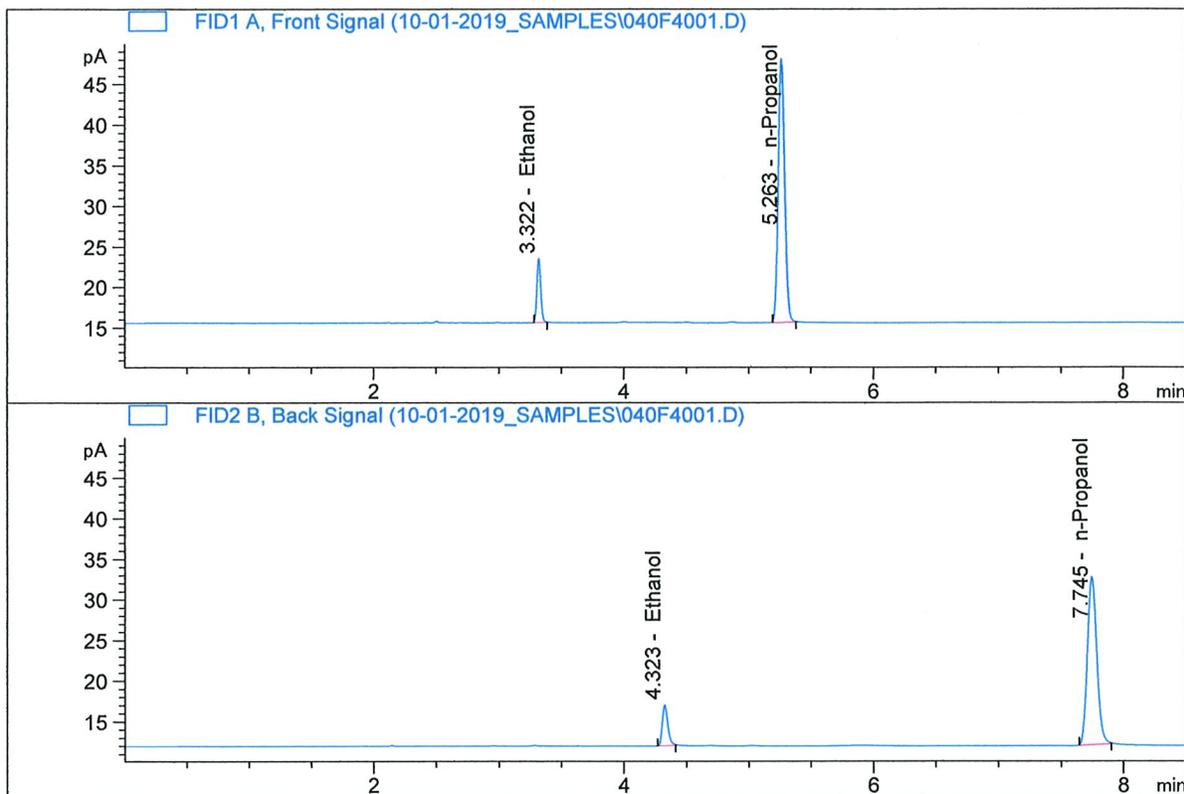
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

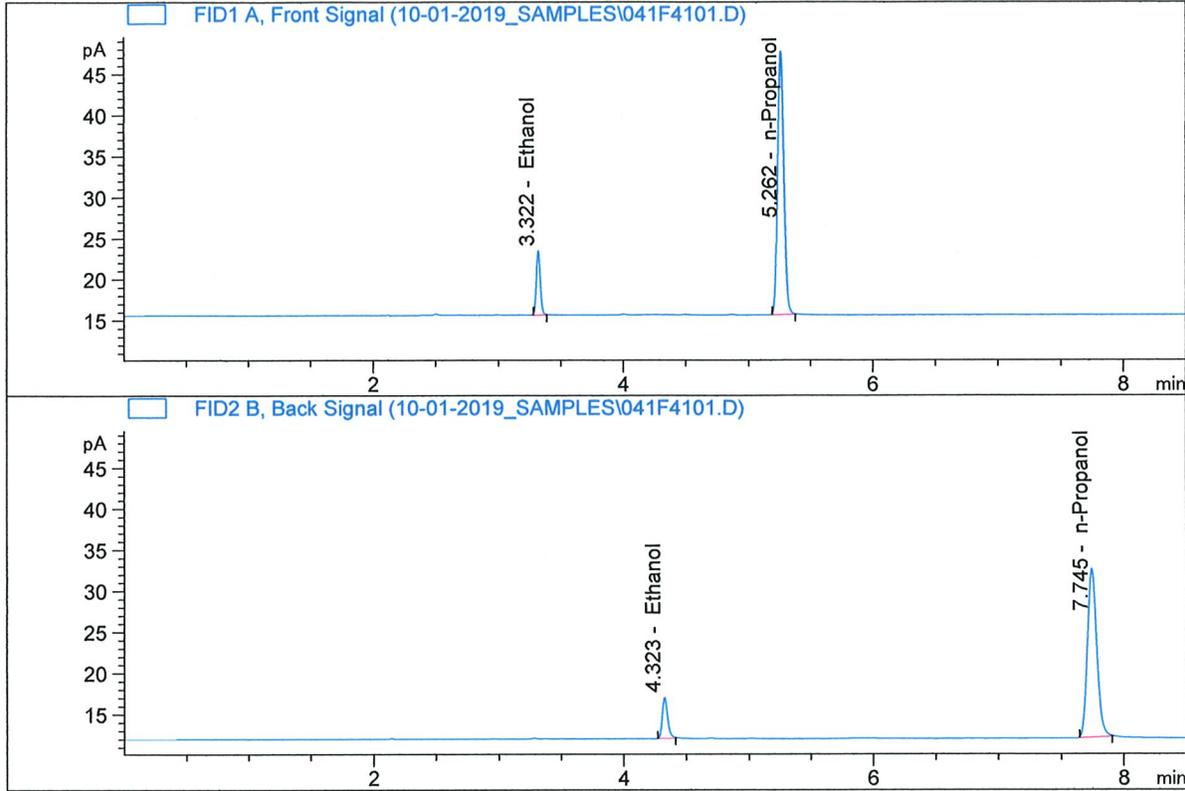


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.37993	0.0807	g/100cc
2.	Ethanol	Column 2:	15.34537	0.0759	g/100cc
3.	n-Propanol	Column 1:	115.15843	1.0000	g/100cc
4.	n-Propanol	Column 2:	109.60063	1.0000	g/100cc

WRC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

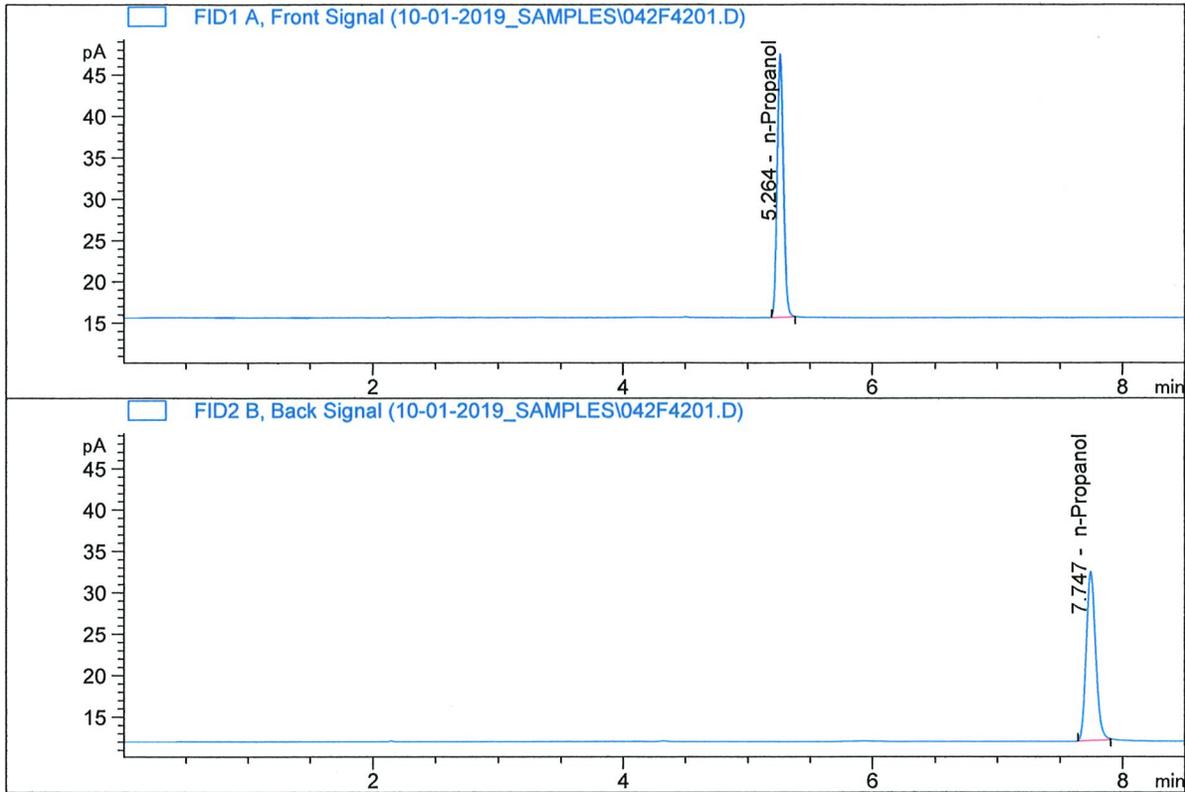


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.18332	0.0807	g/100cc
2.	Ethanol	Column 2:	15.13093	0.0756	g/100cc
3.	n-Propanol	Column 1:	113.91600	1.0000	g/100cc
4.	n-Propanol	Column 2:	108.42783	1.0000	g/100cc

YRC

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 3
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

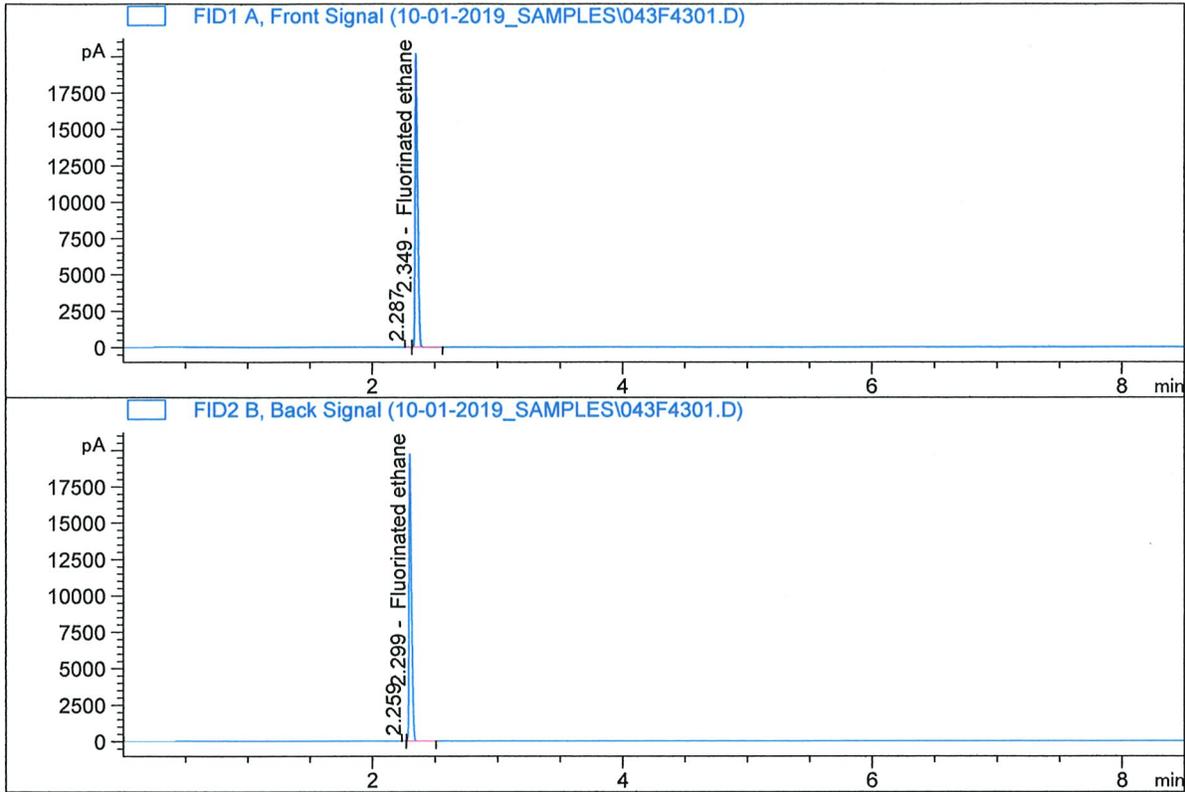


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	112.76718	1.0000	g/100cc
4.	n-Propanol	Column 2:	107.46511	1.0000	g/100cc

CR

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE
 Laboratory : Pocatello
 Injection Date : Oct 1, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

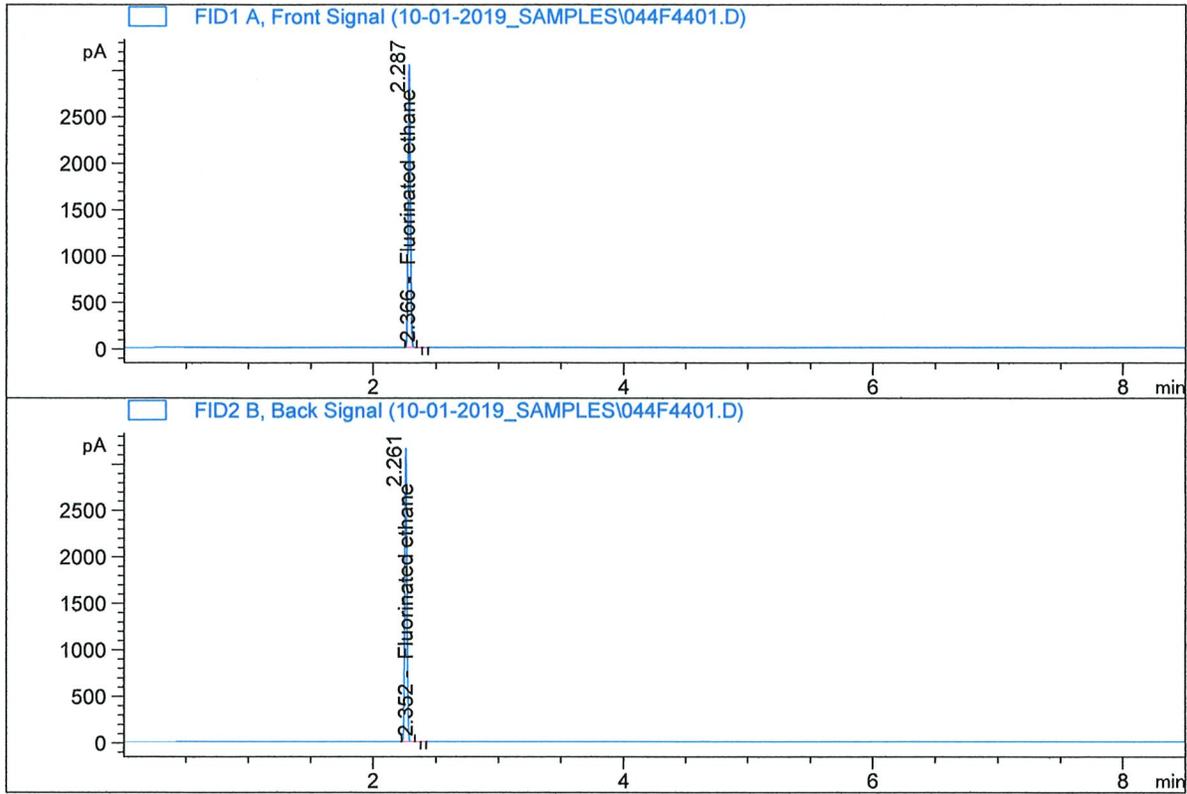


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

RC

ISP Forensic Services Blood Alcohol Report

Sample Name : TFE
 Laboratory : Pocatello
 Injection Date : Oct 1, 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:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

RC

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_01.10.2019_03.56.02\10-01-19 RC SAMPLES.S
 Data directory path: C:\Chem32\1\Data\10-01-2019_SAMPLES
 Logbook: C:\Chem32\1\Data\10-01-2019_SAMPLES\10-01-19 RC SAMPLES.LOG
 Sequence start: 10/1/2019 4:10:03 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	INT STD 1	-	1.0000	001F0101.D	2
2	2	1	MULTI-COMP MIX	-	1.0000	002F0201.D	10
3	3	1	INT STD 2	-	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	P2019-2690-1-A	-	1.0000	008F0801.D	2
9	9	1	P2019-2690-1-B	-	1.0000	009F0901.D	2
10	10	1	P2019-2540-1-A	-	1.0000	010F1001.D	4
11	11	1	P2019-2540-1-B	-	1.0000	011F1101.D	4
12	12	1	P2019-2892-1-A	-	1.0000	012F1201.D	5
13	13	1	P2019-2892-1-B	-	1.0000	013F1301.D	6
14	14	1	P2019-2907-1-A	-	1.0000	014F1401.D	2
15	15	1	P2019-2907-1-B	-	1.0000	015F1501.D	2
16	16	1	P2019-2907-2-A	-	1.0000	016F1601.D	2
17	17	1	P2019-2907-2-B	-	1.0000	017F1701.D	2
18	18	1	P2019-2917-1-A	-	1.0000	018F1801.D	4
19	19	1	P2019-2917-1-B	-	1.0000	019F1901.D	4
20	20	1	P2019-2947-1-A	-	1.0000	020F2001.D	4
21	21	1	P2019-2947-1-B	-	1.0000	021F2101.D	4
22	22	1	P2019-2955-1-A	-	1.0000	022F2201.D	4
23	23	1	P2019-2955-1-B	-	1.0000	023F2301.D	5
24	24	1	P2019-2956-1-A	-	1.0000	024F2401.D	4
25	25	1	P2019-2956-1-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	P2019-2973-1-A	-	1.0000	028F2801.D	4
29	29	1	P2019-2973-1-B	-	1.0000	029F2901.D	4
30	30	1	P2019-2979-1-A	-	1.0000	030F3001.D	4
31	31	1	P2019-2979-1-B	-	1.0000	031F3101.D	4
32	32	1	P2019-2991-1-A	-	1.0000	032F3201.D	4
33	33	1	P2019-2991-1-B	-	1.0000	033F3301.D	4
34	34	1	P2019-3018-1-A	-	1.0000	034F3401.D	2
35	35	1	P2019-3018-1-B	-	1.0000	035F3501.D	2
36	36	1	P2019-3021-1-A	-	1.0000	036F3601.D	4
37	37	1	P2019-3021-1-B	-	1.0000	037F3701.D	4
38	38	1	P2019-3022-1-A	-	1.0000	038F3801.D	2
39	39	1	P2019-3022-1-B	-	1.0000	039F3901.D	2
40	40	1	QC1-2-A	-	1.0000	040F4001.D	4
41	41	1	QC1-2-B	-	1.0000	041F4101.D	4
42	42	1	INT STD 3	-	1.0000	042F4201.D	2
43	43	1	DFE	-	1.0000	043F4301.D	2
44	44	1	TFE	-	1.0000	044F4401.D	2