

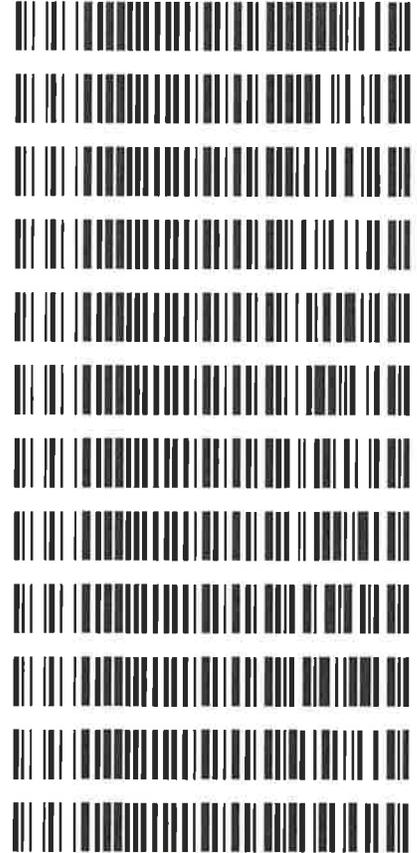
APPROVED

By John Garner at 4:16 pm, Apr 22, 2019

4/20/2019

Worklist: 3313

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
P2019-1106	1	147789	Alcohol Analysis
P2019-1107	1	147790	Alcohol Analysis
P2019-1109	1	147836	Alcohol Analysis
P2019-1148	1	148089	Alcohol Analysis
P2019-1151	1	148310	Alcohol Analysis
P2019-1169	2	148349	Alcohol Analysis
P2019-1188	1	148681	Alcohol Analysis
P2019-1189	1	148682	Alcohol Analysis
P2019-1203	1	148917	Alcohol Analysis
P2019-1205	1	148921	Alcohol Analysis
P2019-1217	1	149066	Alcohol Analysis
P2019-1225	1	149085	Alcohol Analysis



John Garner
1

Worklist: 3314

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2019-0961	1	149217	Alcohol Analysis



AC
1

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: MD96BC1382

Volatiles Quality Assurance Controls

Run Date(s): 4/19/19

Calibration curve ran: 4/17/19

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731 - 0.0893	0.0770 g/100cc
					0.0755 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832 - 0.2238	0.1911 g/100cc
					g/100cc
Multi-Component mixture:					
Curve Fit:		Column 1	Lot #	Column 2	
		0.99994	11918		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	0.0509	0.0501	0.0008	0.0505
100	0.100	0.090 - 0.110	0.0992	0.0976	0.0016	0.0984
200	0.200	0.180 - 0.220	0.1987	0.1970	0.0017	0.1978
300	0.300	0.270 - 0.330	0.3062	0.3053	0.0009	0.3057
500	0.500	0.450 - 0.550	0.4969	0.4985	0.0016	0.4977

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



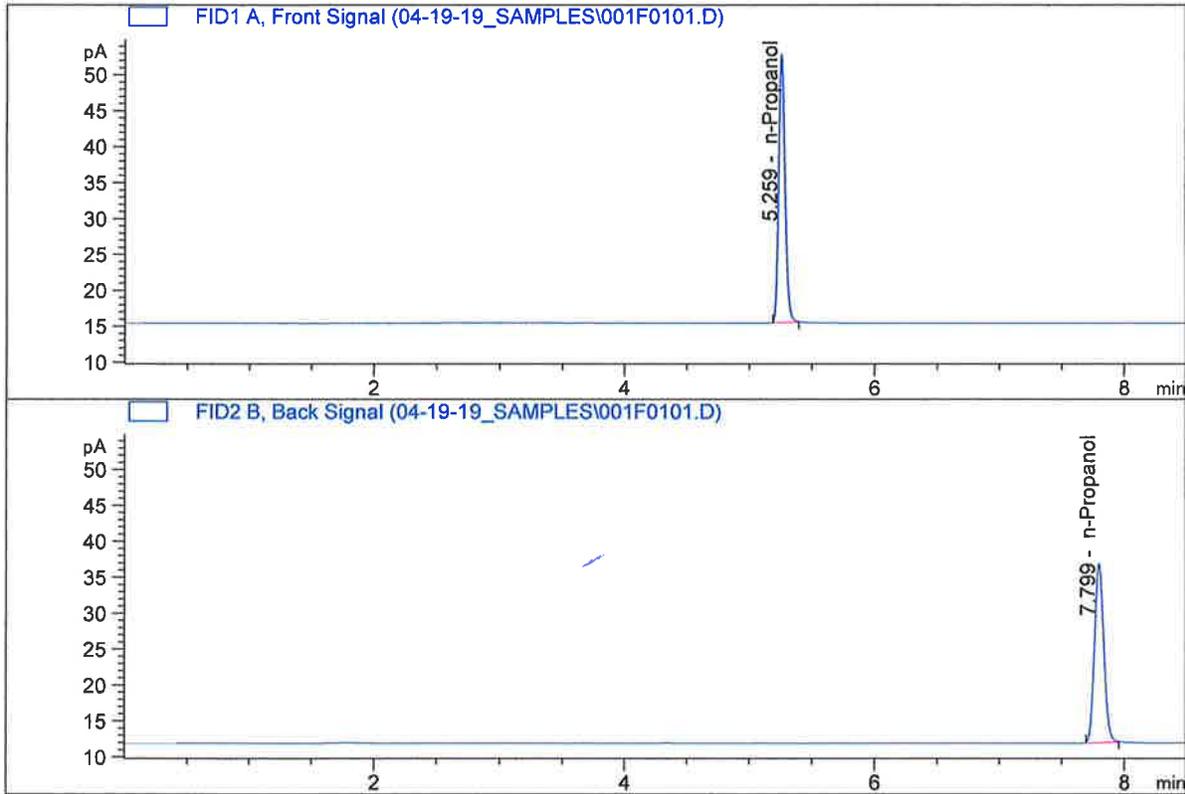
Revision: 5

Issue Date: 01/02/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD BLK
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010

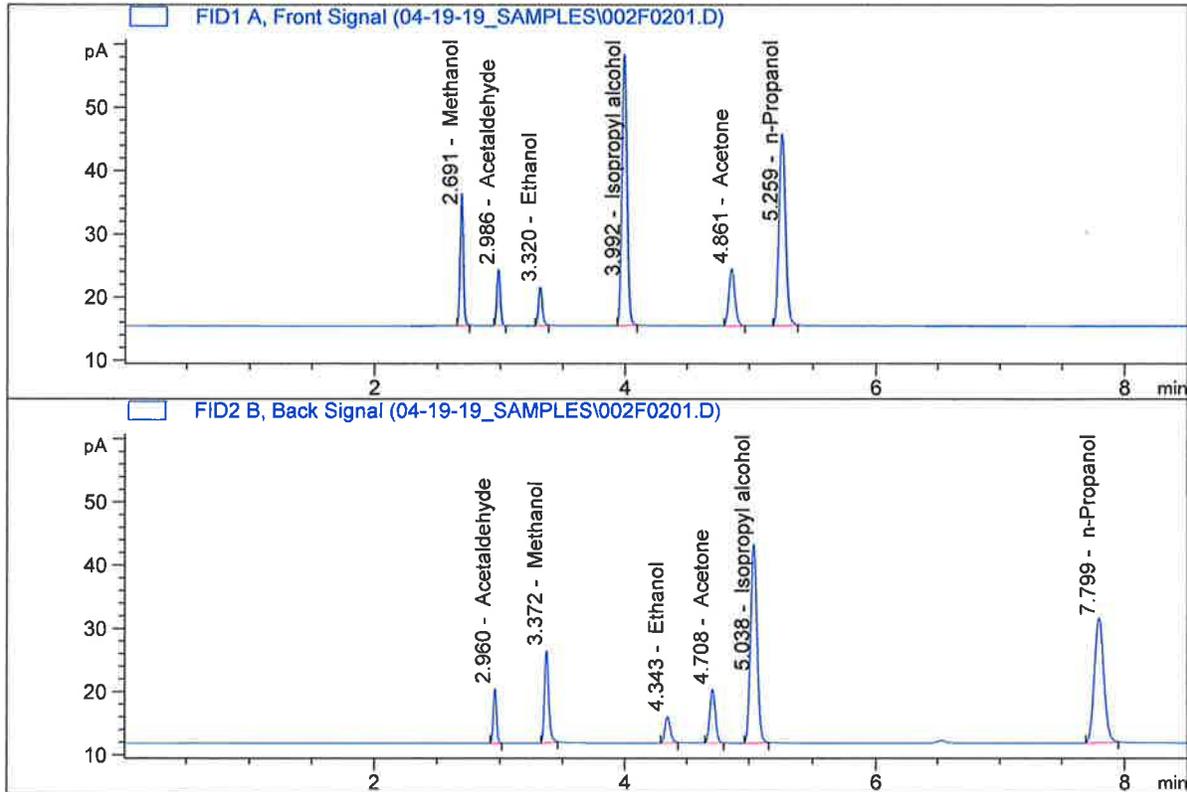


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	133.44273	1.0000	g/100cc
4.	n-Propanol	Column 2:	130.20879	1.0000	g/100cc

JRC

ISP Forensic Services Blood Alcohol Report

Sample Name : MULTI-COMP MIX
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

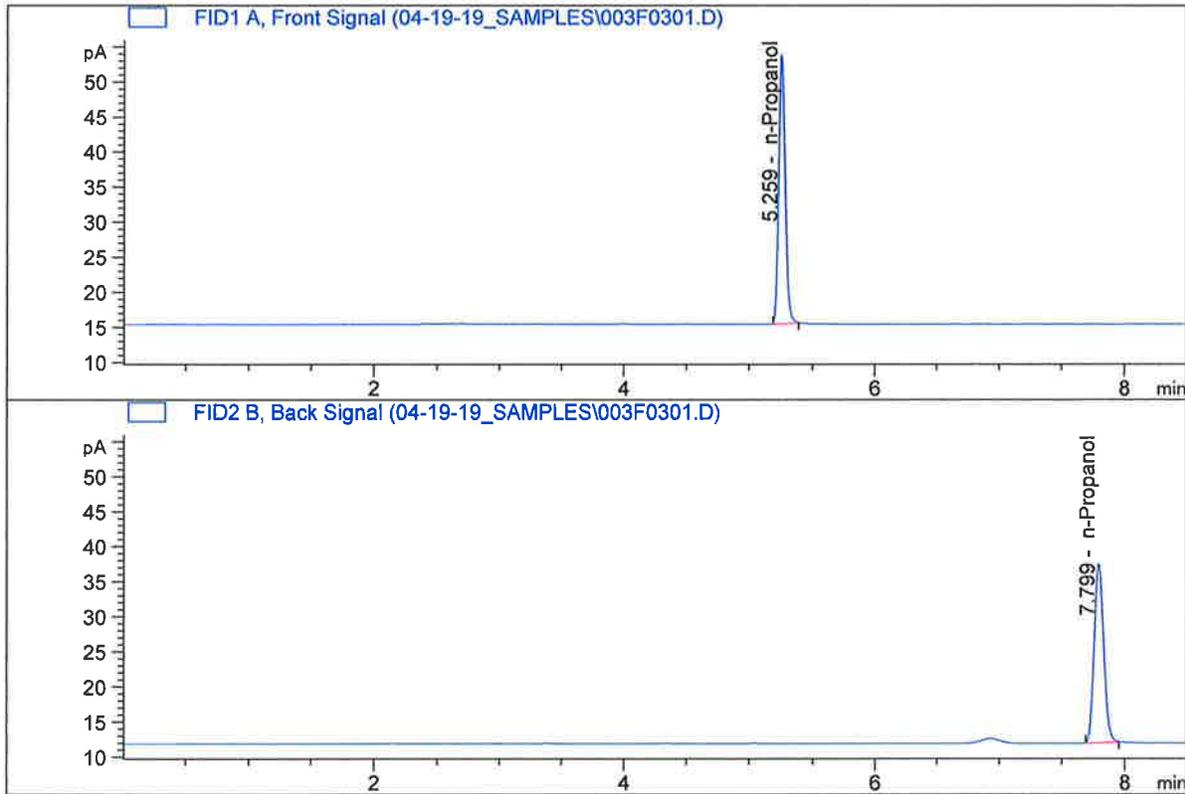


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.63879	0.0749	g/100cc
2.	Ethanol	Column 2:	12.44973	0.0724	g/100cc
3.	n-Propanol	Column 1:	108.08587	1.0000	g/100cc
4.	n-Propanol	Column 2:	103.61689	1.0000	g/100cc

JRC

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD
 Laboratory : Pocatello
 Injection Date : Apr 19, 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:	136.84012	1.0000	g/100cc
4.	n-Propanol	Column 2:	133.64064	1.0000	g/100cc

HC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1

Analysis Date(s): 19 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0786	0.0764	0.0022	0.0775	0.0770	
(g/100cc)	0.0777	0.0753	0.0024	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: MD96BC1382

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.

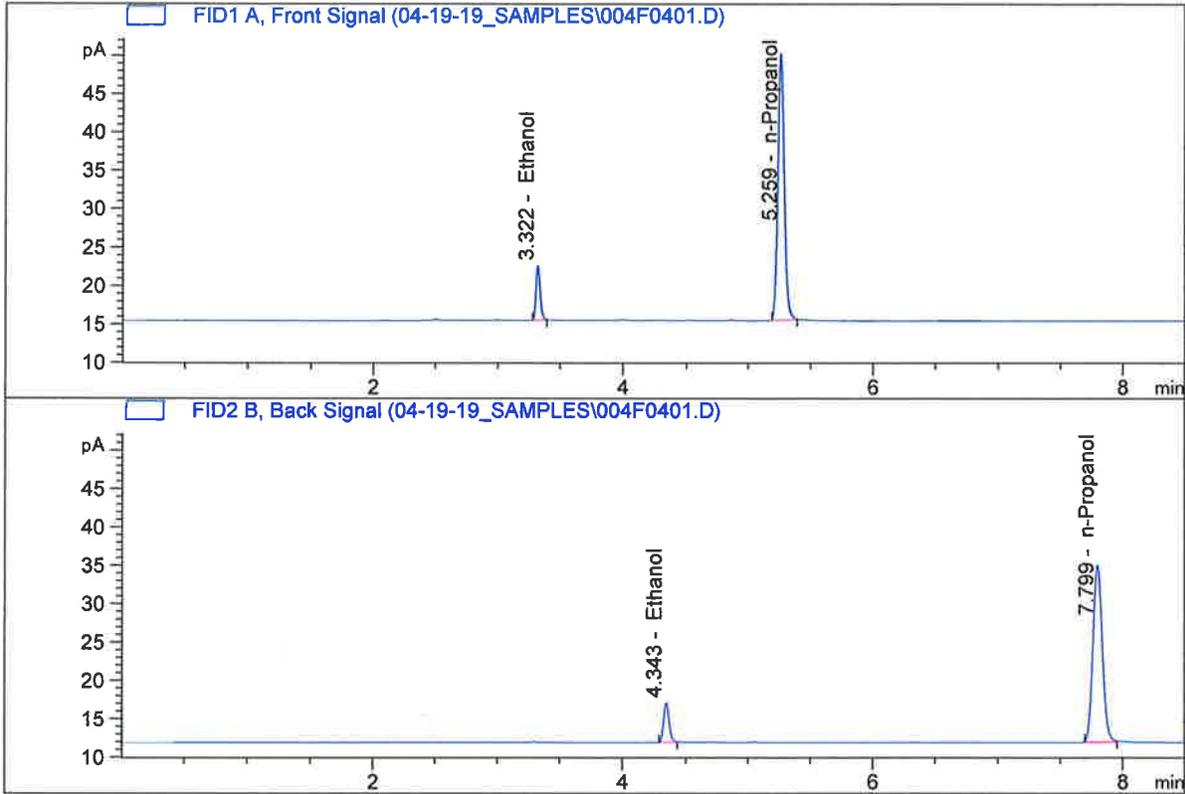

Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

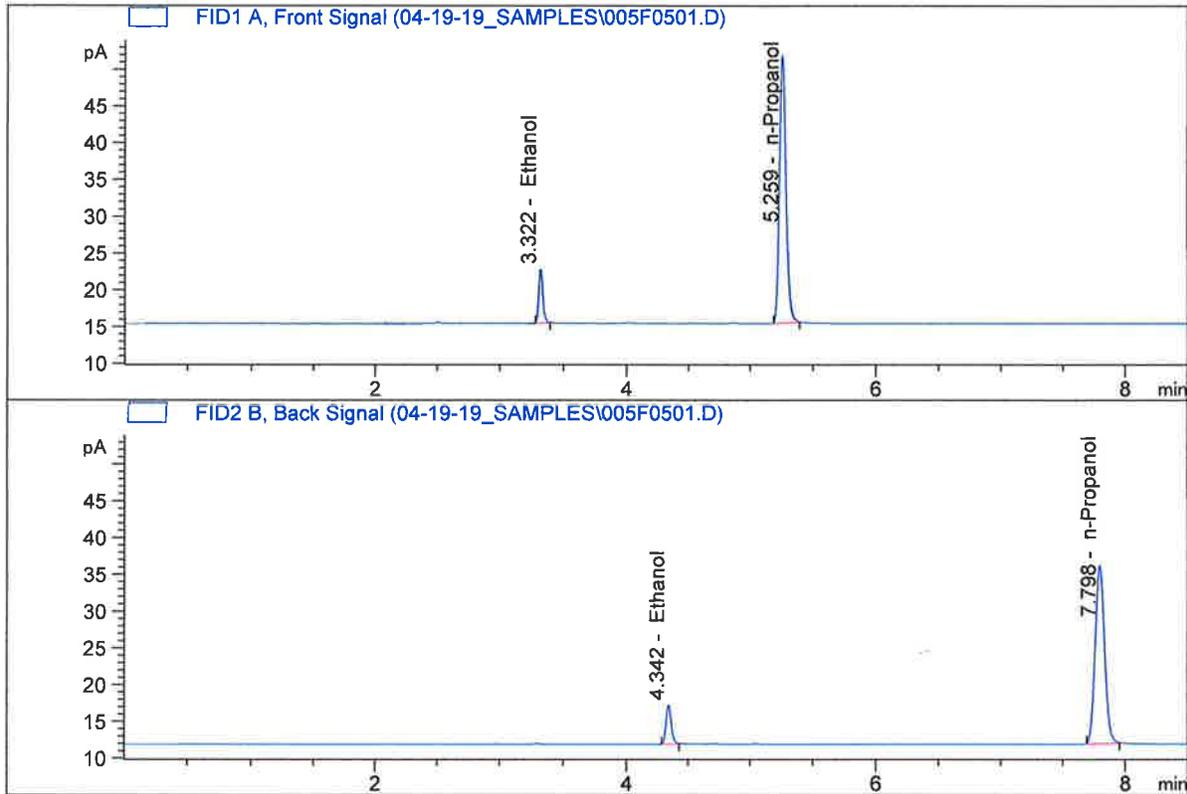


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.50502	0.0786	g/100cc
2.	Ethanol	Column 2:	15.38723	0.0764	g/100cc
3.	n-Propanol	Column 1:	124.57539	1.0000	g/100cc
4.	n-Propanol	Column 2:	121.40276	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.13014	0.0777	g/100cc
2.	Ethanol	Column 2:	15.91299	0.0753	g/100cc
3.	n-Propanol	Column 1:	130.74211	1.0000	g/100cc
4.	n-Propanol	Column 2:	127.30864	1.0000	g/100cc

JRC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA

Analysis Date(s): 19 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0777	0.0762	0.0015	0.0769	0.0772	
(g/100cc)	0.0785	0.0767	0.0018	0.0776		

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: MD96BC1382

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.

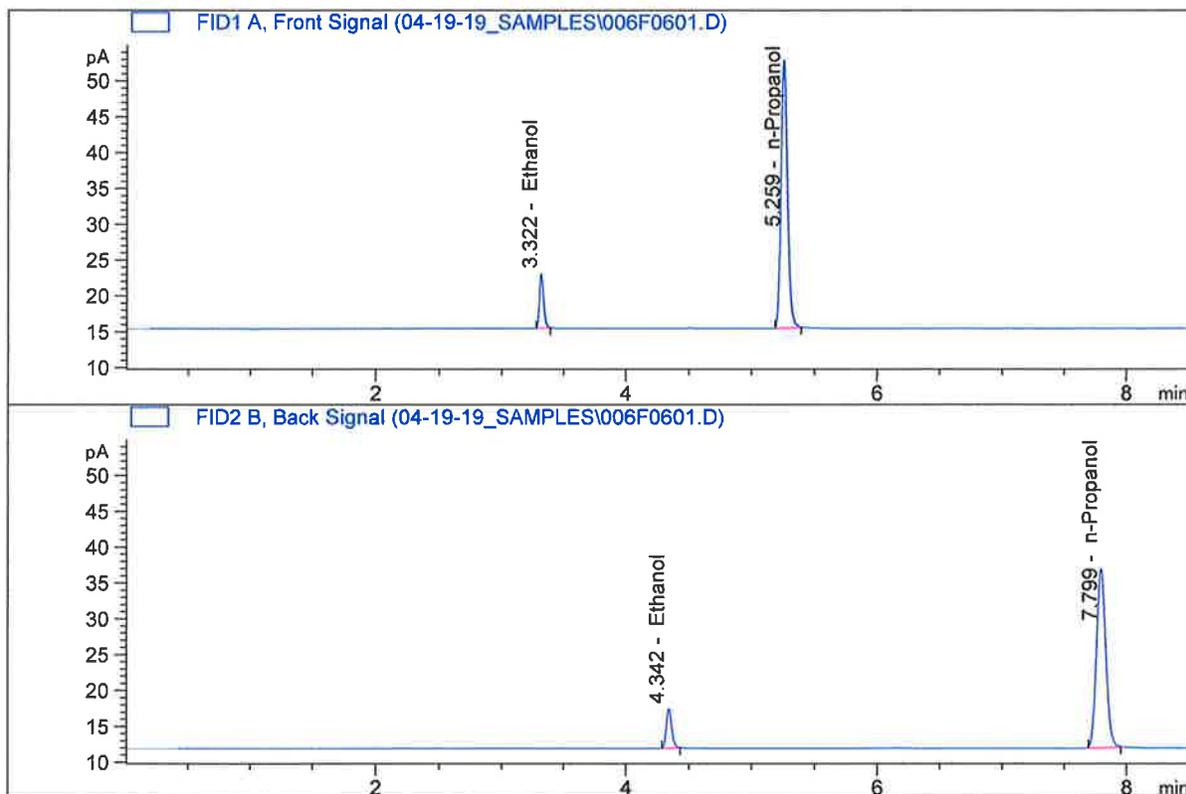

Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-A
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

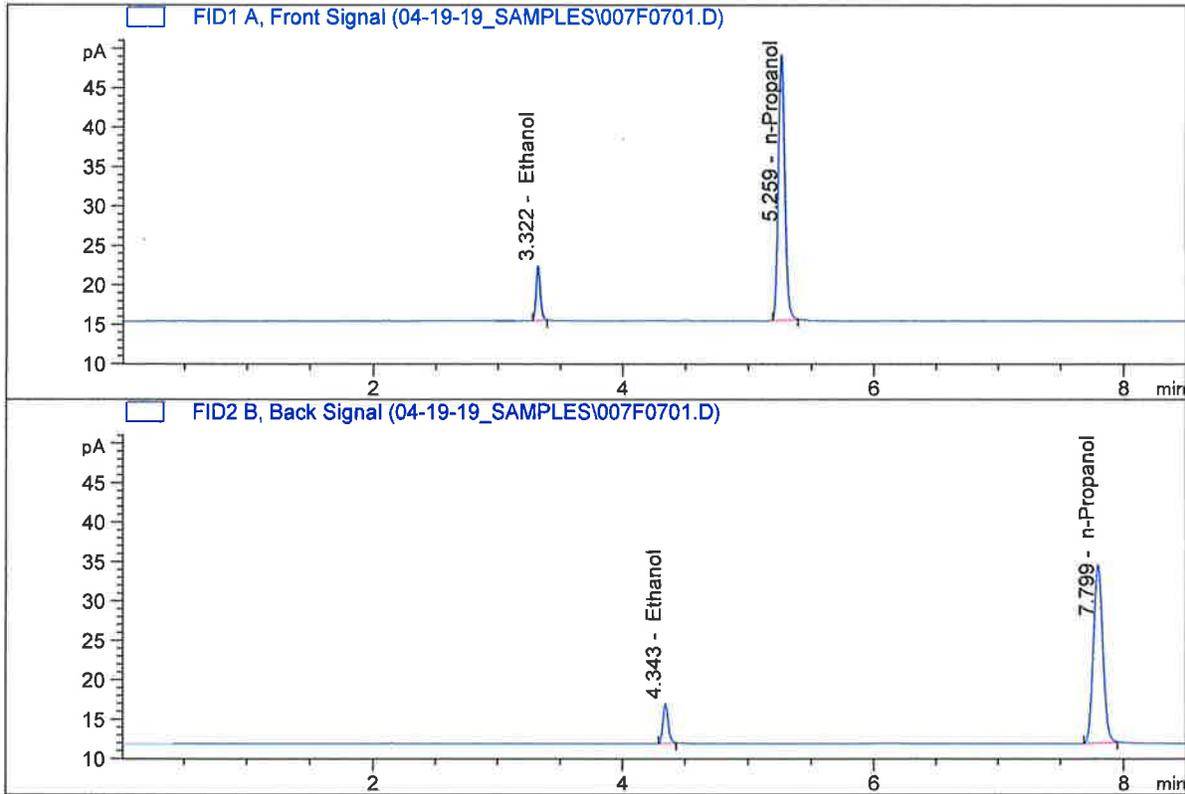


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.60175	0.0777	g/100cc
2.	Ethanol	Column 2:	16.54352	0.0762	g/100cc
3.	n-Propanol	Column 1:	134.32195	1.0000	g/100cc
4.	n-Propanol	Column 2:	130.86293	1.0000	g/100cc

RC

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.07003	0.0785	g/100cc
2.	Ethanol	Column 2:	15.09843	0.0767	g/100cc
3.	n-Propanol	Column 1:	121.41576	1.0000	g/100cc
4.	n-Propanol	Column 2:	118.61198	1.0000	g/100cc

Handwritten signature/initials

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1

Analysis Date(s): 19 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1916	0.1902	0.0014	0.1909	0.1911	
(g/100cc)	0.1921	0.1905	0.0016	0.1913		

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: MD96BC1382

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.191	0.181	0.201	0.010

	Reported Result	
	0.191	

Calibration and control data are stored centrally.

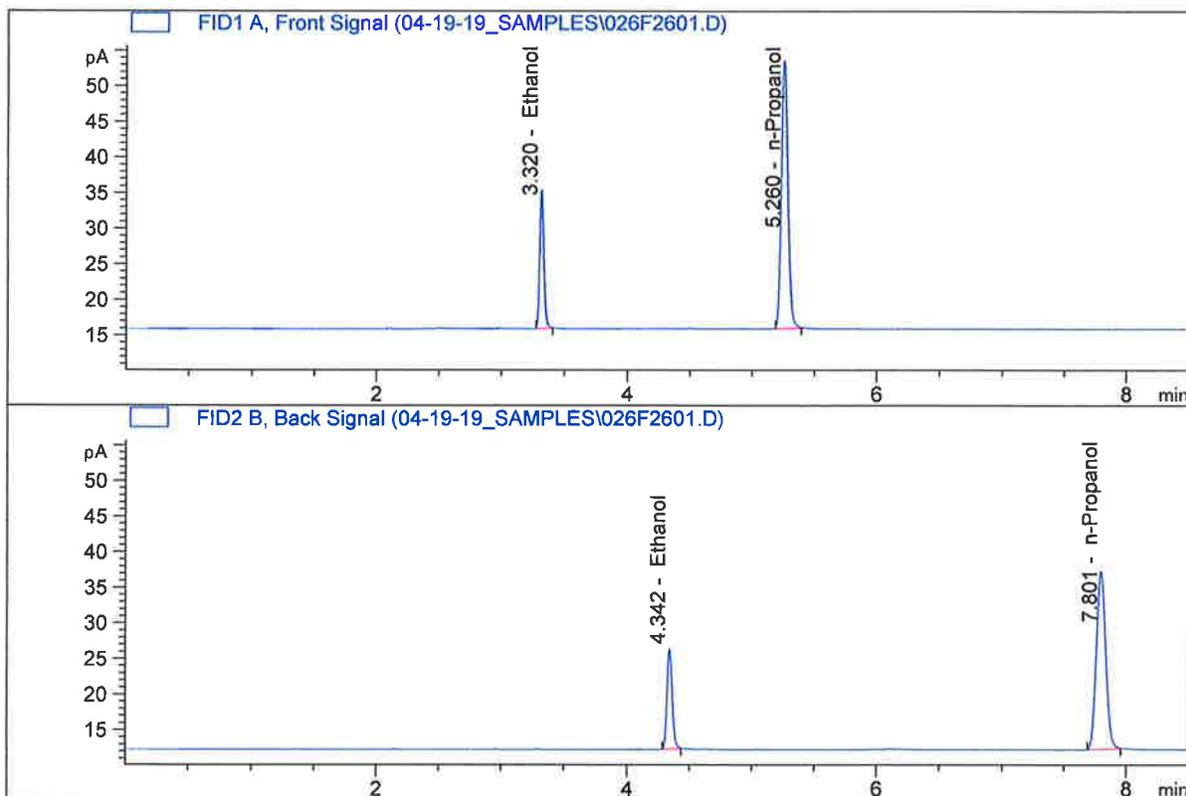

Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

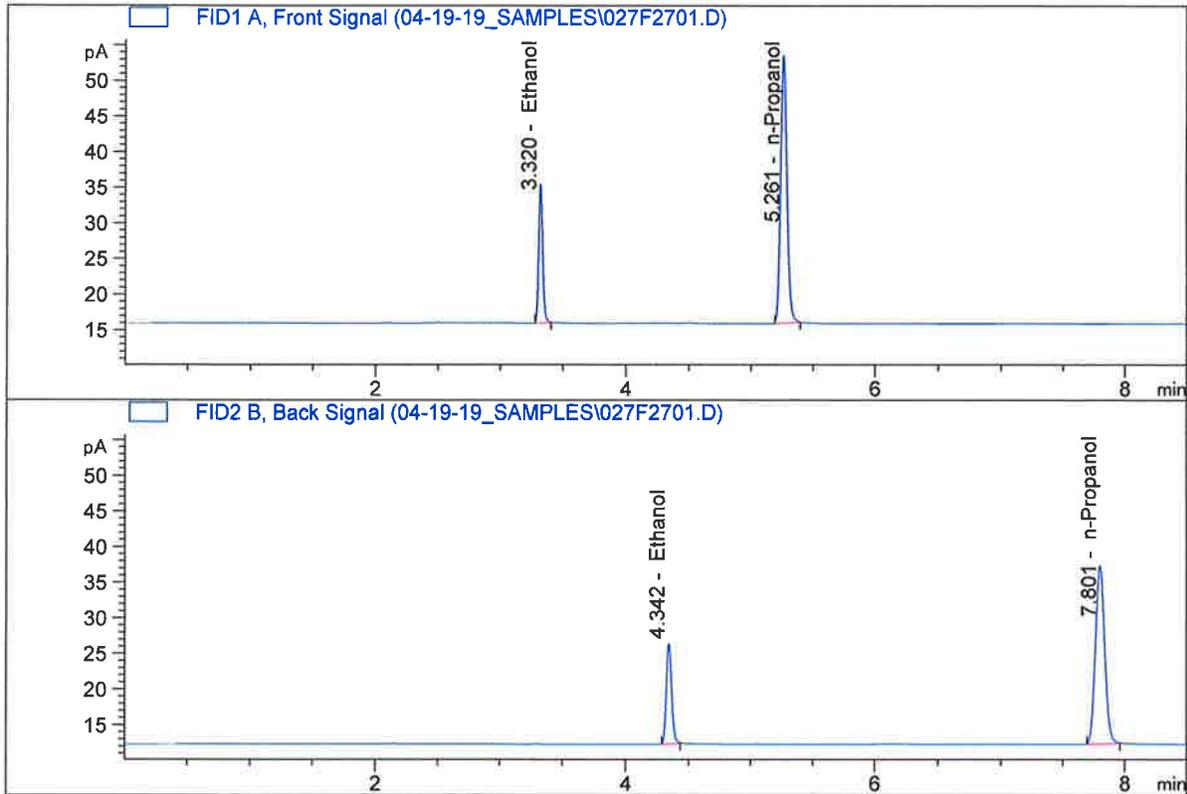


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.55400	0.1916	g/100cc
2.	Ethanol	Column 2:	41.40598	0.1902	g/100cc
3.	n-Propanol	Column 1:	134.85143	1.0000	g/100cc
4.	n-Propanol	Column 2:	131.17746	1.0000	g/100cc

HC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
 Laboratory : Pocatello
 Injection Date : Apr 19, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.70929	0.1921	g/100cc
2.	Ethanol	Column 2:	41.52076	0.1905	g/100cc
3.	n-Propanol	Column 1:	134.96629	1.0000	g/100cc
4.	n-Propanol	Column 2:	131.28040	1.0000	g/100cc

JFC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2

Analysis Date(s): 20 Apr 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0772	0.0754	0.0018	0.0763	0.0755	
(g/100cc)	0.0755	0.0740	0.0015	0.0747		

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: MD96BC1382

Reporting of Results

Uncertainty of Measurement (UM%): 5.00%

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

	Reported Result	
	0.075	

Calibration and control data are stored centrally.



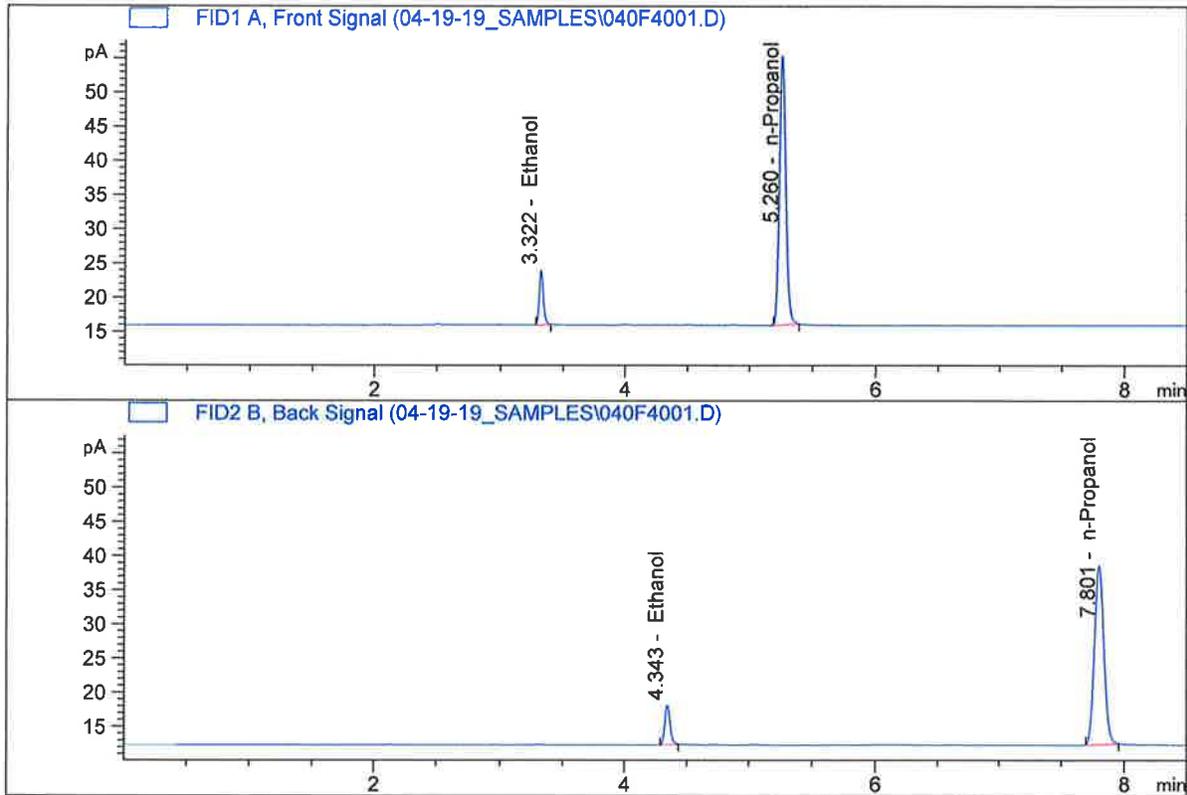
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-A
 Laboratory : Pocatello
 Injection Date : Apr 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

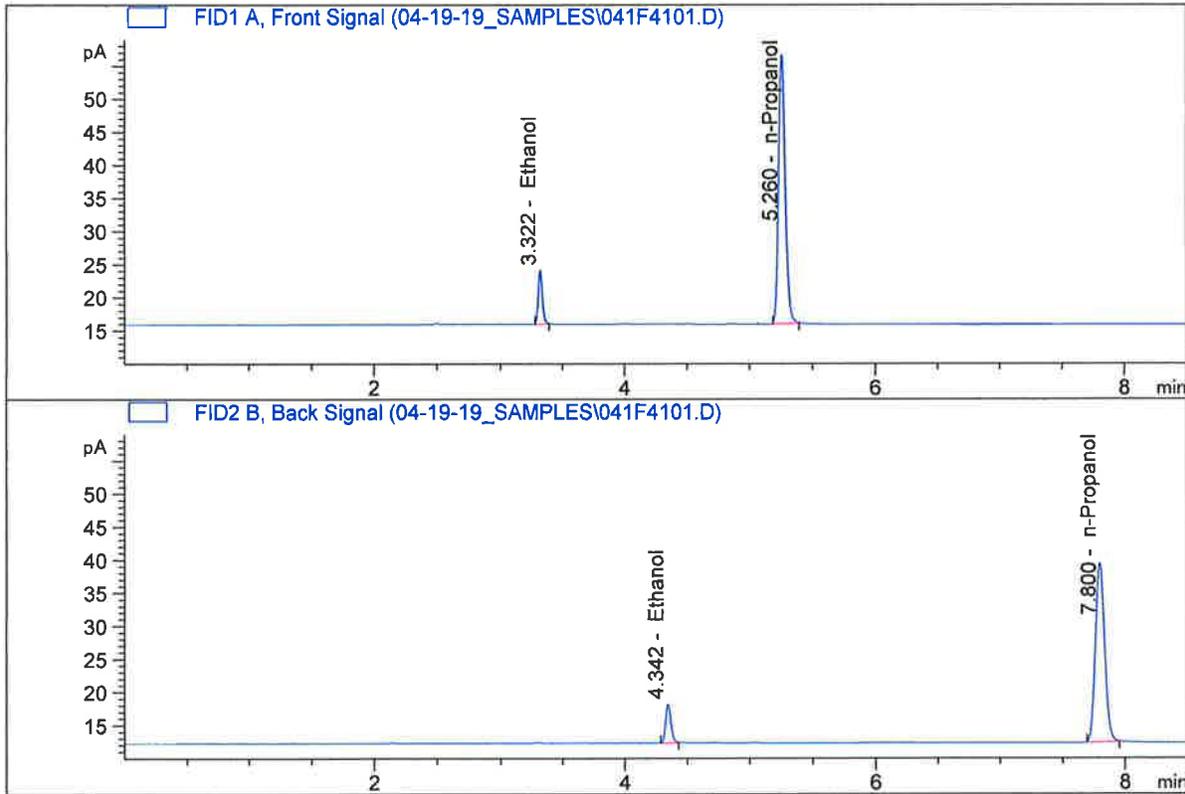


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.34986	0.0772	g/100cc
2.	Ethanol	Column 2:	17.25918	0.0754	g/100cc
3.	n-Propanol	Column 1:	141.02826	1.0000	g/100cc
4.	n-Propanol	Column 2:	137.87373	1.0000	g/100cc

HC

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
 Laboratory : Pocatello
 Injection Date : Apr 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010



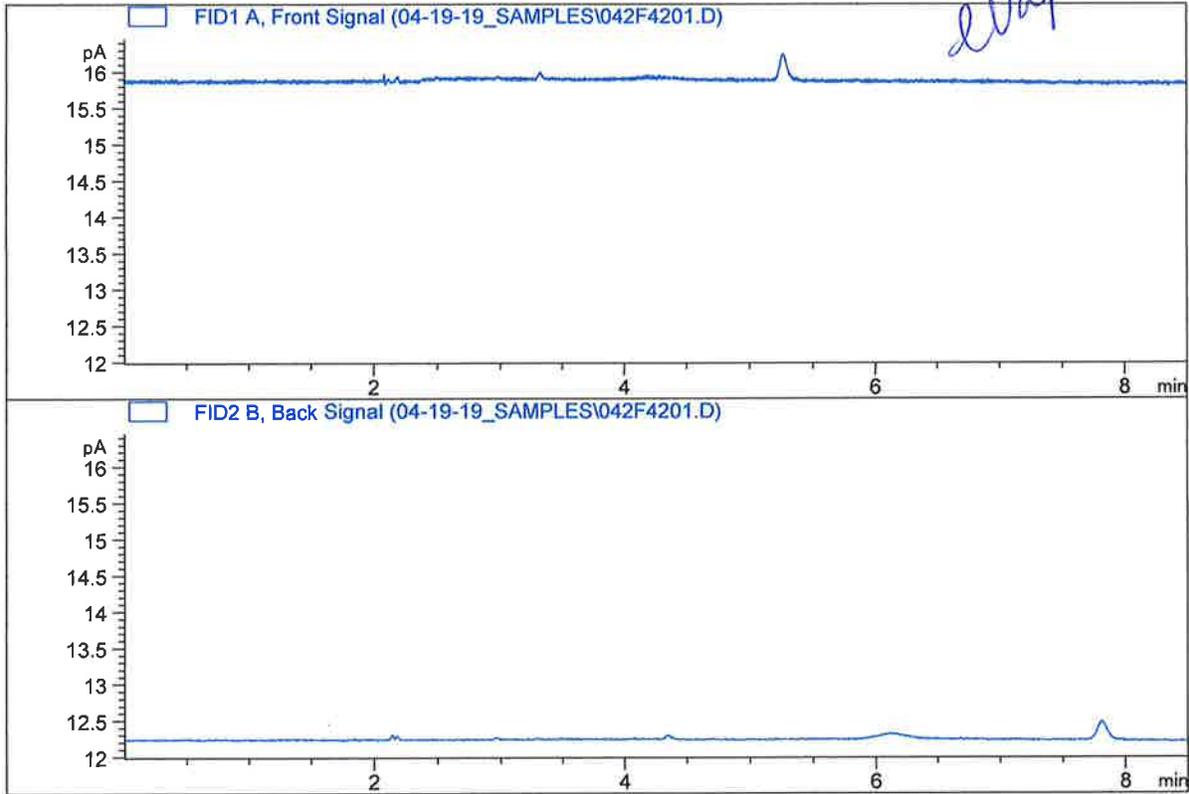
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.54586	0.0755	g/100cc
2.	Ethanol	Column 2:	17.45703	0.0740	g/100cc
3.	n-Propanol	Column 1:	145.67572	1.0000	g/100cc
4.	n-Propanol	Column 2:	142.10413	1.0000	g/100cc

RC

ISP Forensic Services Blood Alcohol Report

Sample Name : N20
 Laboratory : Pocatello
 Injection Date : Apr 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

*didn't inject a
 had
 evaporated*

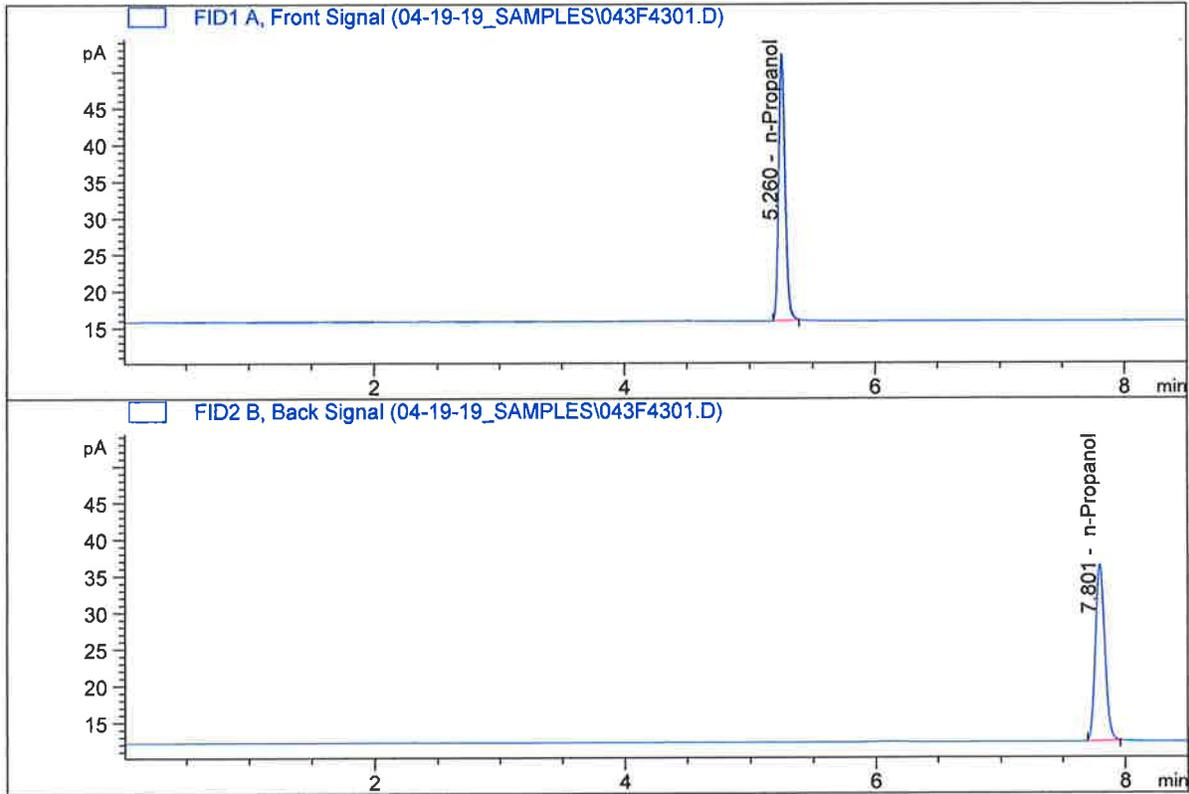


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

hc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
 Laboratory : Pocatello
 Injection Date : Apr 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010

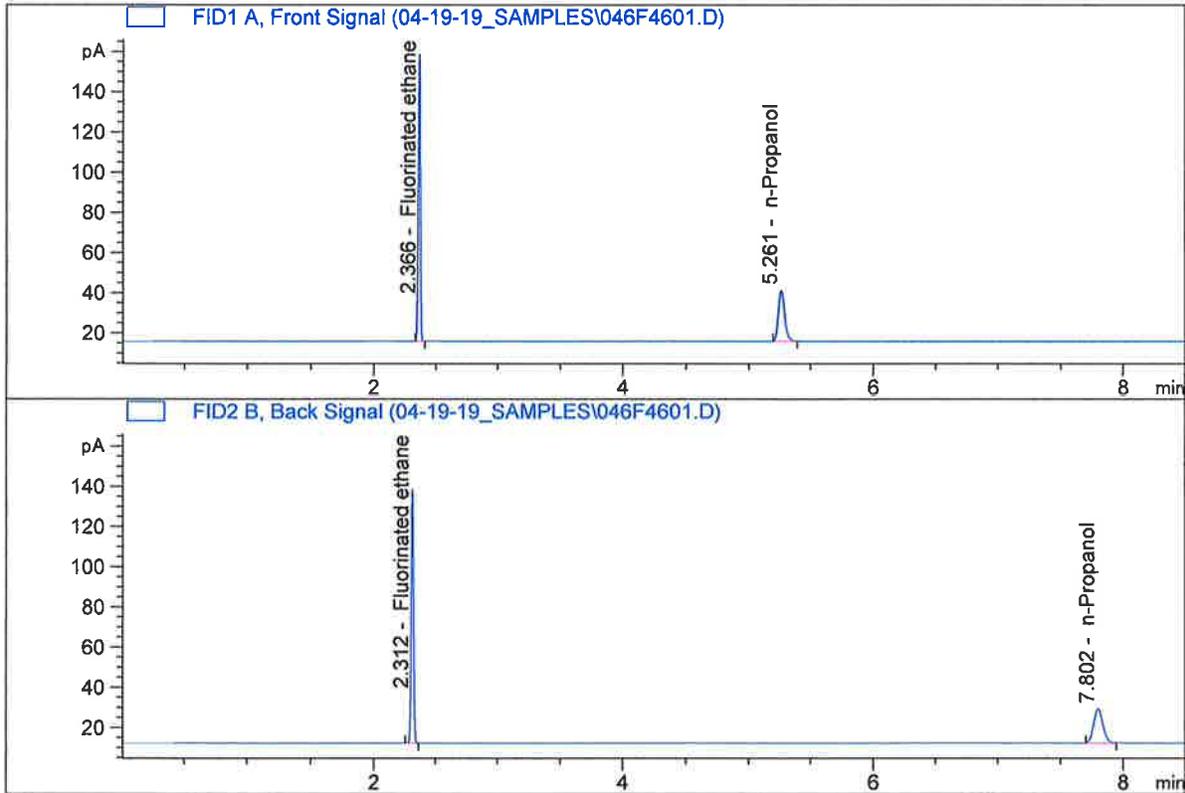


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	130.14633	1.0000	g/100cc
4.	n-Propanol	Column 2:	126.79682	1.0000	g/100cc

JHC

ISP Forensic Services Blood Alcohol Report

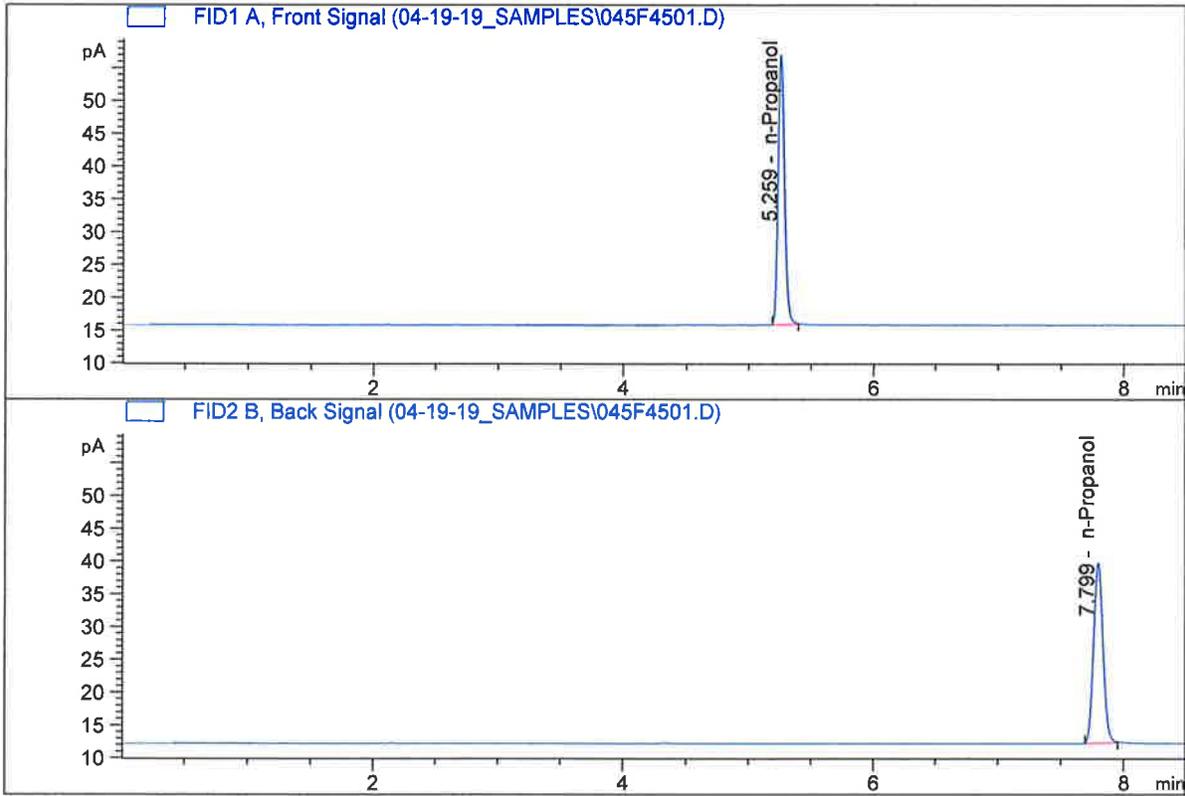
Sample Name : DFE
 Laboratory : Pocatello
 Injection Date : Apr 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010



#	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:	91.13609	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.21057	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
 Laboratory : Pocatello
 Injection Date : Apr 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument: CN10742043-IT00741010

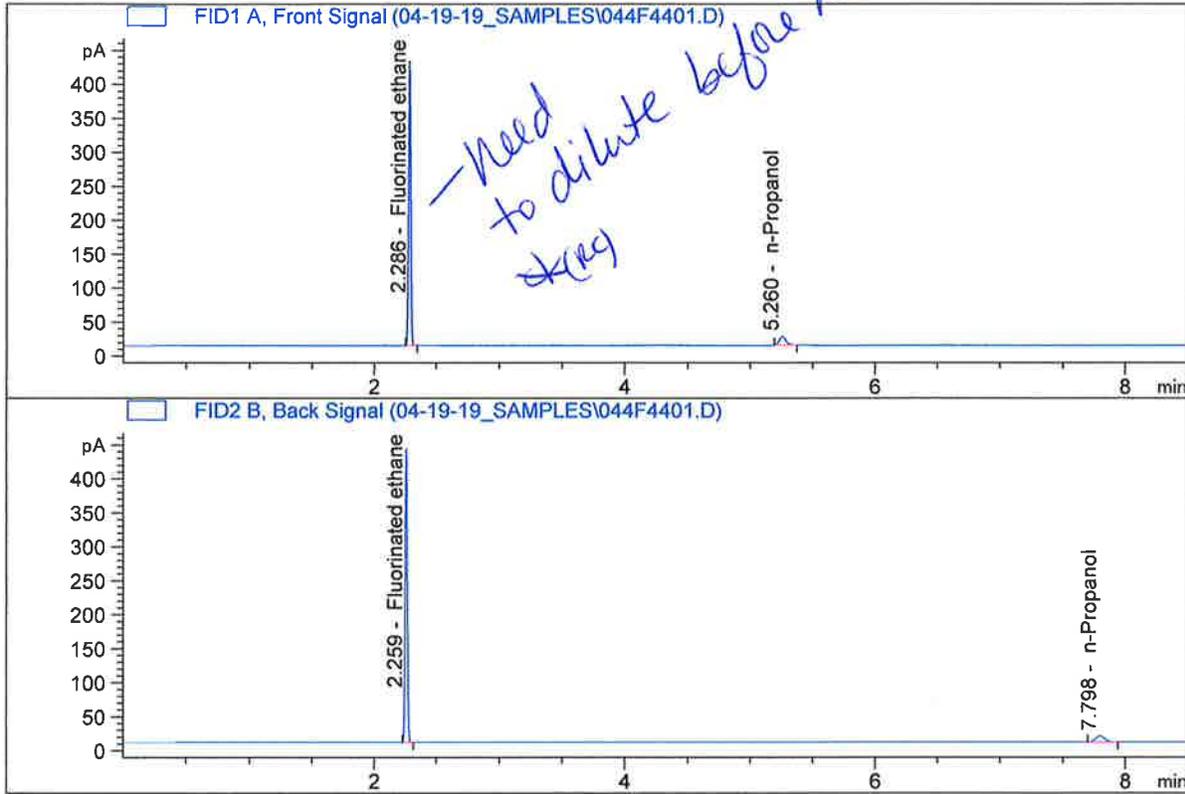


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	147.34029	1.0000	g/100cc
4.	n-Propanol	Column 2:	143.82872	1.0000	g/100cc

JHC

ISP Forensic Services Blood Alcohol Report

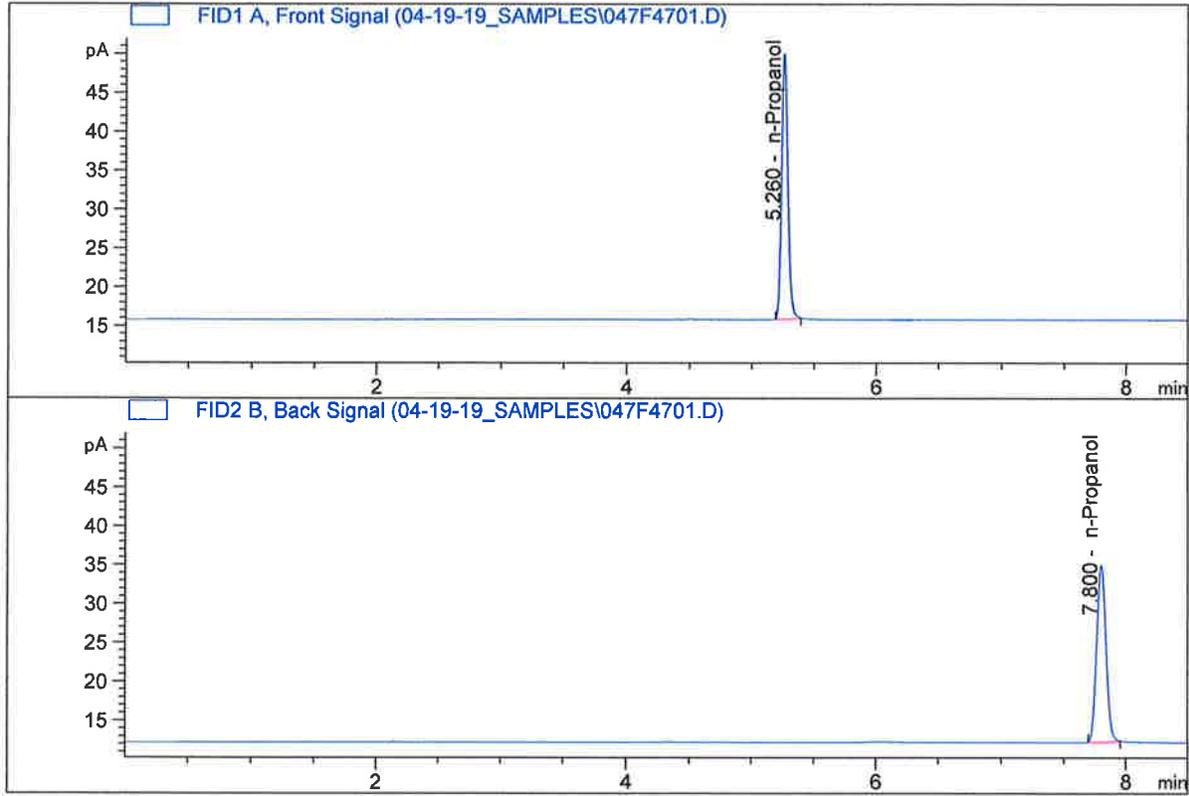
Sample Name : TFE
 Laboratory : Pocatello
 Injection Date : Apr 20, 2019
 Method : ALCOHOL.M
 Acq. Instrument : CN10742043-IT00741010



#	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:	48.08945	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.09731	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
 Laboratory : Pocatello
 Injection Date : Apr 20, 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:	122.47033	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.81826	1.0000	g/100cc

Handwritten signature/initials

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_19.04.2019_05.13.22\RC19APR2019.S
 Data directory path: C:\Chem32\1\Data\04-19-19_SAMPLES
 Logbook: C:\Chem32\1\Data\04-19-19_SAMPLES\RC19APR2019.LOG
 Sequence start: 4/19/2019 5:27:14 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	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	P2019-0992-1-A	-	1.0000	008F0801.D		6
9	9	1	P2019-0992-1-B	-	1.0000	009F0901.D		6
10	10	1	P2019-1019-1-A	-	1.0000	010F1001.D		2
11	11	1	P2019-1019-1-B	-	1.0000	011F1101.D		2
12	12	1	P2019-0961-1-A	-	1.0000	012F1201.D		2
13	13	1	P2019-0961-1-B	-	1.0000	013F1301.D		2
14	14	1	P2019-1106-1-A	-	1.0000	014F1401.D		6
15	15	1	P2019-1106-1-B	-	1.0000	015F1501.D		6
16	16	1	P2019-1107-1-A	-	1.0000	016F1601.D		4
17	17	1	P2019-1107-1-B	-	1.0000	017F1701.D		4
18	18	1	P2019-1109-1-A	-	1.0000	018F1801.D		6
19	19	1	P2019-1109-1-B	-	1.0000	019F1901.D		6
20	20	1	P2019-1148-1-A	-	1.0000	020F2001.D		6
21	21	1	P2019-1148-1-B	-	1.0000	021F2101.D		6
22	22	1	P2019-1151-1-A <i>1151-1-A</i>	-	1.0000	022F2201.D		4
23	23	1	P2019-1151-1-B <i>1151-1-B</i>	-	1.0000	023F2301.D		4
24	24	1	P2019-1169-2-A	-	1.0000	024F2401.D		4
25	25	1	P2019-1169-2-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	P2019-1188-1-A	-	1.0000	028F2801.D		4
29	29	1	P2019-1188-1-B	-	1.0000	029F2901.D		4
30	30	1	P2019-1189-1-A	-	1.0000	030F3001.D		4
31	31	1	P2019-1189-1-B	-	1.0000	031F3101.D		4
32	32	1	P2019-1203-1-A	-	1.0000	032F3201.D		4
33	33	1	P2019-1203-1-B	-	1.0000	033F3301.D		4
34	34	1	P2019-1205-1-A	-	1.0000	034F3401.D		4
35	35	1	P2019-1205-1-B	-	1.0000	035F3501.D		4
36	36	1	P2019-1217-1-A	-	1.0000	036F3601.D		4
37	37	1	P2019-1217-1-B	-	1.0000	037F3701.D		4
38	38	1	P2019-1225-1-A	-	1.0000	038F3801.D		4
39	39	1	P2019-1225-1-B	-	1.0000	039F3901.D		4
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	N20	-	1.0000	042F4201.D		0
43	43	1	INT STD BLK	-	1.0000	043F4301.D		2
44	44	1	TFE	-	1.0000	044F4401.D		4
45	45	1	INT STD BLK	-	1.0000	045F4501.D		2
46	46	1	DFE	-	1.0000	046F4601.D		2

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #
47	47	1	INT STD BLK	-	1.0000	047F4701.D	2