9/23/2015

Worklist: 845

LAB CASE	ITEM	TASK ID	DESCRIPTION
C2015-1664	1	41435	Alcohol Analysis
C2015-1665	1	41439	Alcohol Analysis
C2015-1675	1	41509	Alcohol Analysis
C2015-1676	1	41511	Alcohol Analysis
C2015-1703	1	41786	Alcohol Analysis
C2015-1704	1	41787	Alcohol Analysis
C2015-1705	1	41788	Alcohol Analysis
C2015-1707	1	41802	Alcohol Analysis
C2015-1715	1	41894	Alcohol Analysis

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96GF641

Volatiles Quality Assurance Controls **Run Date(s): 9-23-15**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Dec-15	1211090	0.0773	0.0696-0.0850	0.0754 g/100cc
					0.0777 g/100cc
					g/100cc
Level 2	Jan-17	1212091	0.2020	0.1818-0.2222	0.2071 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		**Jan-16**	**Lot #**	FN012111-01	OK
Curve Fit:		**Column 1**	1.00000	**Column2**	0.99999

Ethanol Calibration Reference Material

Calibrator level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0499	0.0495	0.0004	0.0497
0.080	Jan-17	FN09051304	0.080	0.072 - 0.088			0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.1001	0.0995	0.0006	0.0998
0.200	Mar-17	FN032712-01	0.200	0.180 - 0.220	0.2003	0.1997	0.0006	0.2
0.300	Oct-18	FN09061305	0.300	0.270 - 0.330	0.2990	0.2985	0.0005	0.2987
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Jan-18	FN01281301	0.500	0.450 - 0.550	0.5004	0.5012	0.0008	0.5008

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Oct-18	FN09051304	0.08000	0.076 - 0.084	0.08 ~~91~~ 0.079 g/100cc

Issued: 4/22/2015

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_23.09.2015_12.30.57\9-23-2015.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_23.09.2015_12.30.57\9-23-2015.S
Data directory path: C:\Chem32\1\Data\9-23-15JJ
Logbook: C:\Chem32\1\Data\9-23-15JJ\9-23-2015.LOG
Sequence start: 9/23/2015 12:44:42 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	water	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-01211	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D		2
4	4	1	QC-1-A	-	1.0000	004F0401.D		4
5	5	1	QC-1-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09051304-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09051304-	-	1.0000	007F0701.D		4
8	8	1	15802-458-A	-	1.0000	008F0801.D		4
9	9	1	15802-458-B	-	1.0000	009F0901.D		4
10	10	1	15802-624-A	-	1.0000	010F1001.D		4
11	11	1	15802-624-B	-	1.0000	011F1101.D		4
12	12	1	QC2 new-A	-	1.0000	012F1201.D		4
13	13	1	QC2 new-B	-	1.0000	013F1301.D		4
14	14	1	C2015-1664-1-A	-	1.0000	014F1401.D		2
15	15	1	C2015-1664-1-B	-	1.0000	015F1501.D		2
16	16	1	C2015-1665-1-A	-	1.0000	016F1601.D		4
17	17	1	C2015-1665-1-B	-	1.0000	017F1701.D		4
18	18	1	C2015-1665-2-A	-	1.0000	018F1801.D		2
19	19	1	C2015-1665-2-B	-	1.0000	019F1901.D		2
20	20	1	C2015-1675-1-A	-	1.0000	020F2001.D		4
21	21	1	C2015-1675-1-B	-	1.0000	021F2101.D		4
22	22	1	C2015-1676-1-A	-	1.0000	022F2201.D		4
23	23	1	C2015-1676-1-B	-	1.0000	023F2301.D		4
24	24	1	C2015-1703-1-A	-	1.0000	024F2401.D		4
25	25	1	C2015-1703-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2-A	-	1.0000	026F2601.D		4
27	27	1	QC-2-B	-	1.0000	027F2701.D		4
28	28	1	C2015-1704-1-A	-	1.0000	028F2801.D		4
29	29	1	C2015-1704-1-B	-	1.0000	029F2901.D		4
30	30	1	C2015-1705-1-A	-	1.0000	030F3001.D		4
31	31	1	C2015-1705-1-B	-	1.0000	031F3101.D		4
32	32	1	C2015-1707-1-A	-	1.0000	032F3201.D		4
33	33	1	C2015-1707-1-B	-	1.0000	033F3301.D		4
34	34	1	C2015-1715-1-A	-	1.0000	034F3401.D		4
35	35	1	C2015-1715-1-B	-	1.0000	035F3501.D		4
36	36	1	QC-1-A	-	1.0000	036F3601.D		4
37	37	1	QC-1-B	-	1.0000	037F3701.D		4
38	38	1	water	-	1.0000	038F3801.D		0
39	39	1	ISTD BLANK	-	1.0000	039F3901.D		2

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Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, September 23, 2015 12:12:04 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

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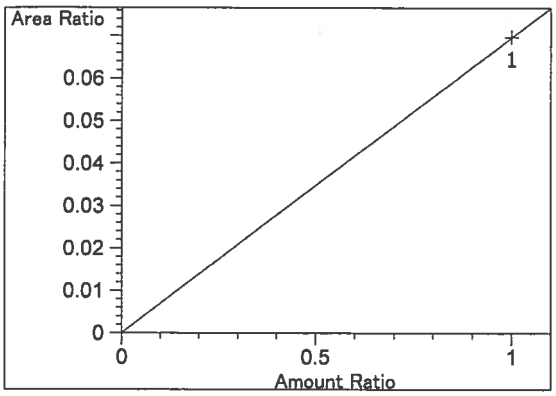
Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.099	1	1	5.00000e-2	6.81281	7.33911e-3	No	No	1	Ethanol
		2	1.00000e-1	13.80429	7.24413e-3				
		3	2.00000e-1	27.43731	7.28934e-3				
		4	3.00000e-1	40.92586	7.33033e-3				
		5	5.00000e-1	68.46198	7.30332e-3				
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No	2	Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No	1	Isopropyl alcohol
4.167	2	1	5.00000e-2	6.77690	7.37800e-3	No	No	2	Ethanol
		2	1.00000e-1	13.70225	7.29807e-3				
		3	2.00000e-1	27.32279	7.31990e-3				
		4	3.00000e-1	40.69327	7.37223e-3				
		5	5.00000e-1	67.99440	7.35355e-3				
4.530	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.549	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.927	1	1	1.00000	72.06129	1.38771e-2	No	Yes	1	n-Propanol
		2	1.00000	72.75305	1.37451e-2				
		3	1.00000	72.22937	1.38448e-2				
		4	1.00000	72.17408	1.38554e-2				
		5	1.00000	72.14348	1.38613e-2				
7.597	2	1	1.00000	71.77084	1.39332e-2	No	Yes	2	n-Propanol
		2	1.00000	72.11572	1.38666e-2				
		3	1.00000	71.65289	1.39562e-2				
		4	1.00000	71.41071	1.40035e-2				
		5	1.00000	71.06283	1.40721e-2				

Peak Sum Table

No Entries in table

Calibration Curves



Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.96662e-2
x: Amount Ratio
y: Area Ratio

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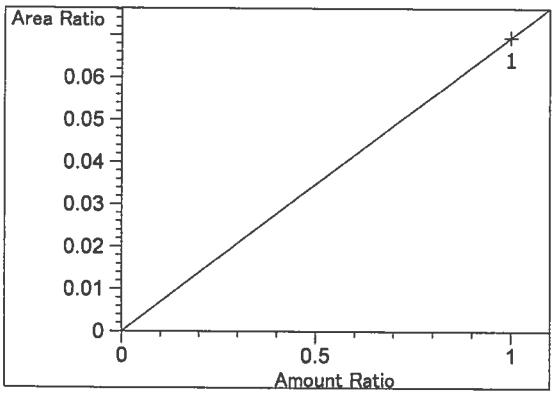
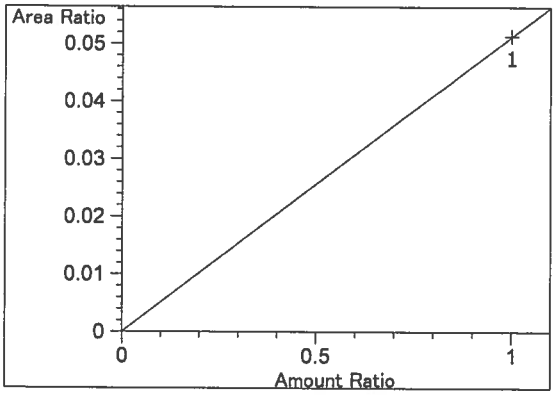
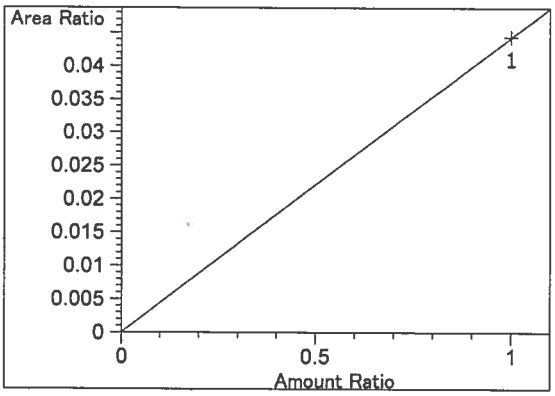
Method C:\CHEM32\1\METHODS\ALCOHOL.M



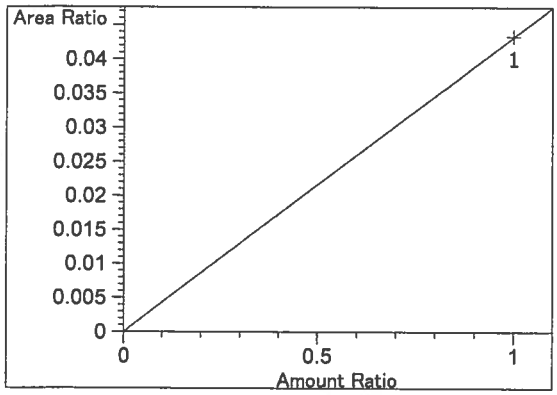
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.93854e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.12993e-2
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.43110e-2
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.32731e-2
x: Amount Ratio
y: Area Ratio

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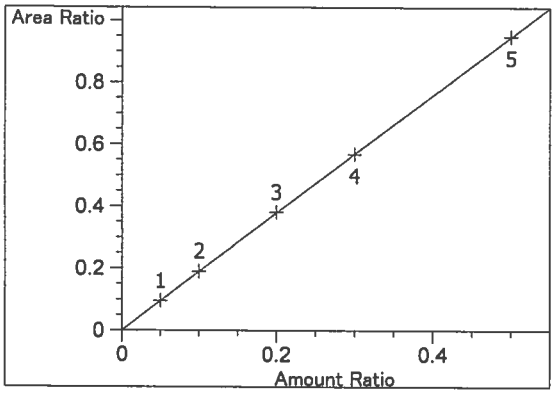
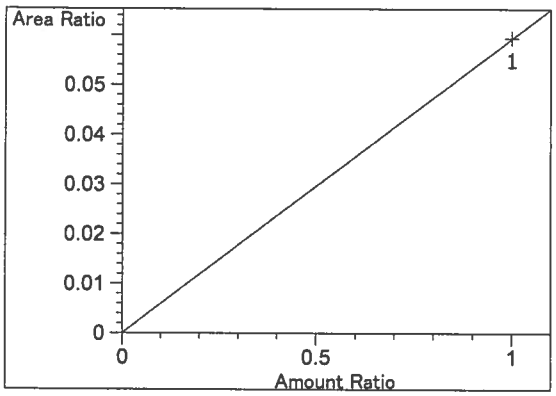
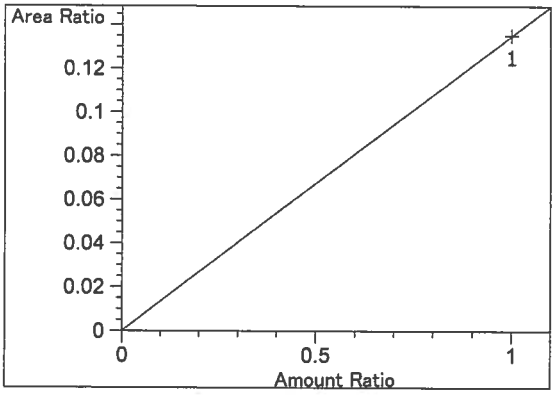
Method C:\CHEM32\1\METHODS\ALCOHOL.M



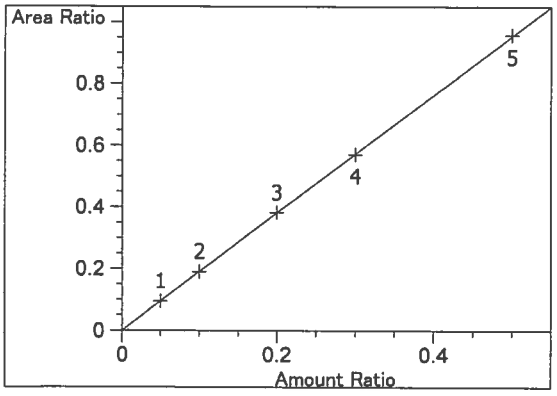
Ethanol at exp. RT: 3.099
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00106
Formula: y = mx
m: 1.89623
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.93643e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.35032e-1
x: Amount Ratio
y: Area Ratio



Ethanol at exp. RT: 4.167
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00197
Formula: y = mx
m: 1.90917
x: Amount Ratio
y: Area Ratio

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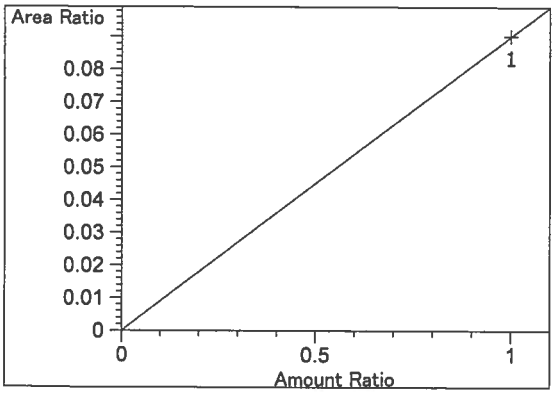
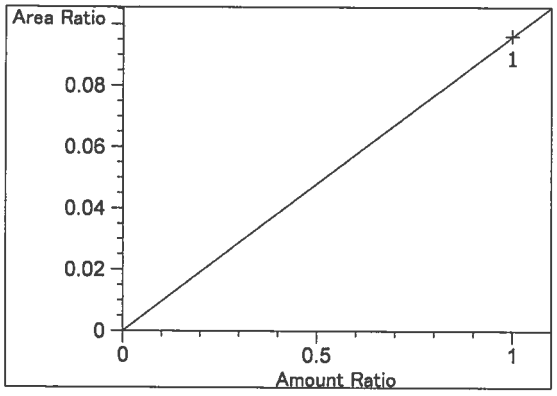
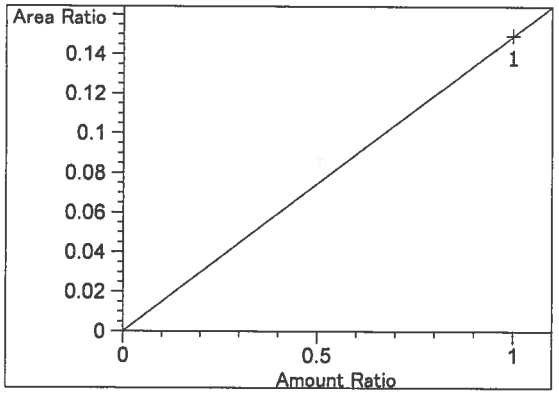
Method C:\CHEM32\1\METHODS\ALCOHOL.M



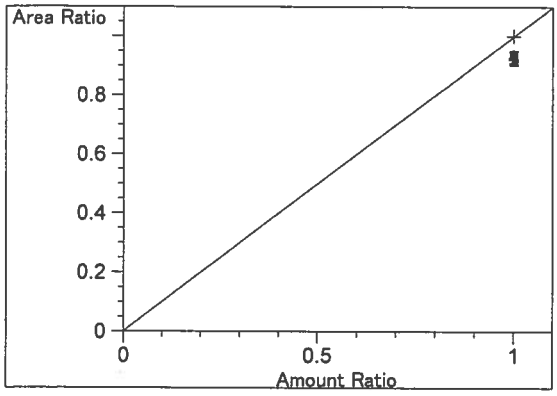
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.01927e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.60419e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.49175e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.927
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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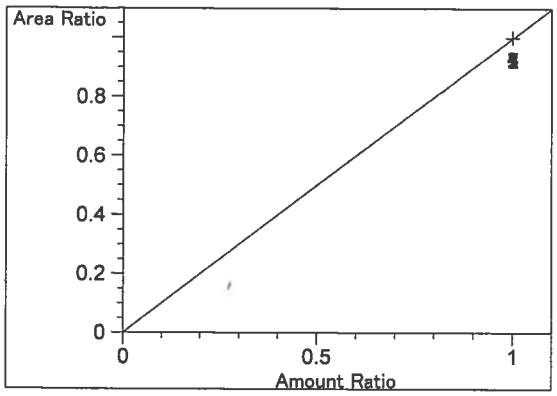
Method C:\CHEM32\1\METHODS\ALCOHOL.M



n-Propanol at exp. RT: 7.597
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_23.09.2015_10.54.08\9-23-2015cal.S

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

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_23.09.2015_10.54.08\9-23-2015cal.S
Data directory path: C:\Chem32\1\Data\9-23-15caljj
Logbook: C:\Chem32\1\Data\9-23-15caljj\9-23-2015cal.LOG
Sequence start: 9/23/2015 11:07:53 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	0.05	-	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	blank	-	1.0000	006F0601.D		2

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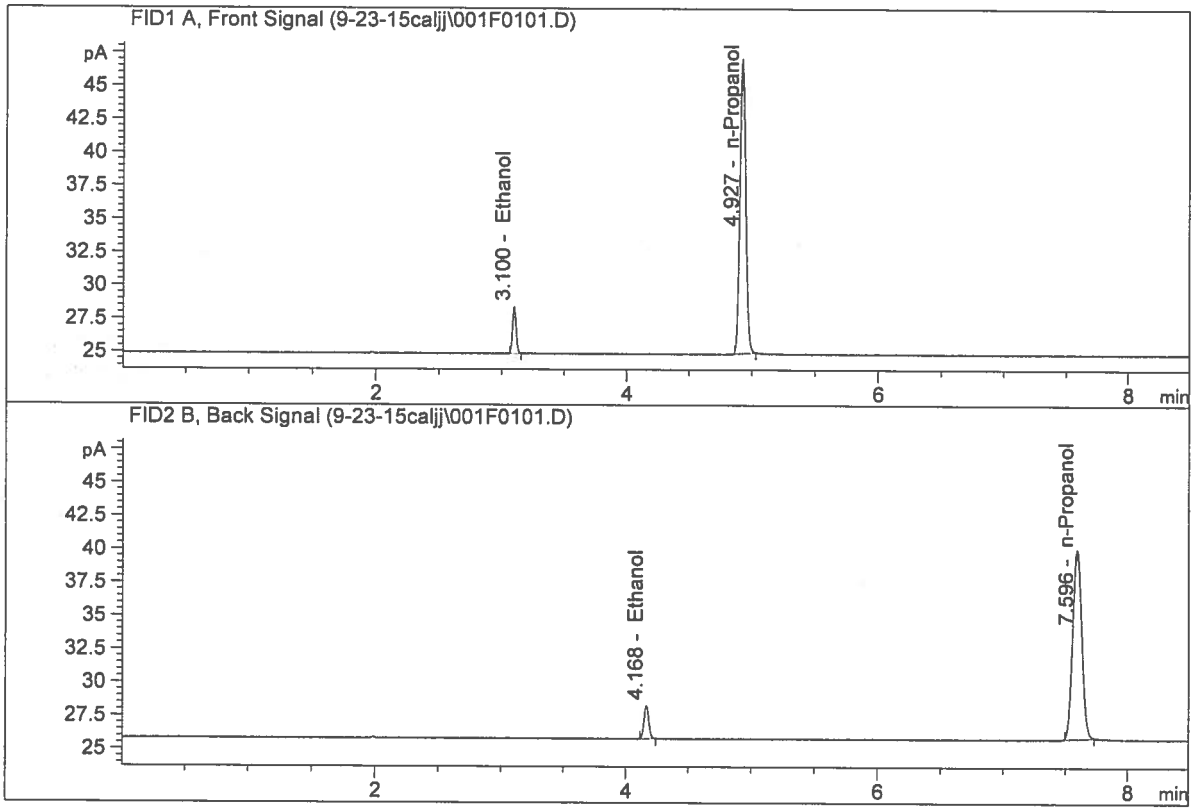
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.81281	0.0499	g/100cc
2.	Ethanol	Column 2:	6.77690	0.0495	g/100cc
3.	n-Propanol	Column 1:	72.06129	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.77084	1.0000	g/100cc

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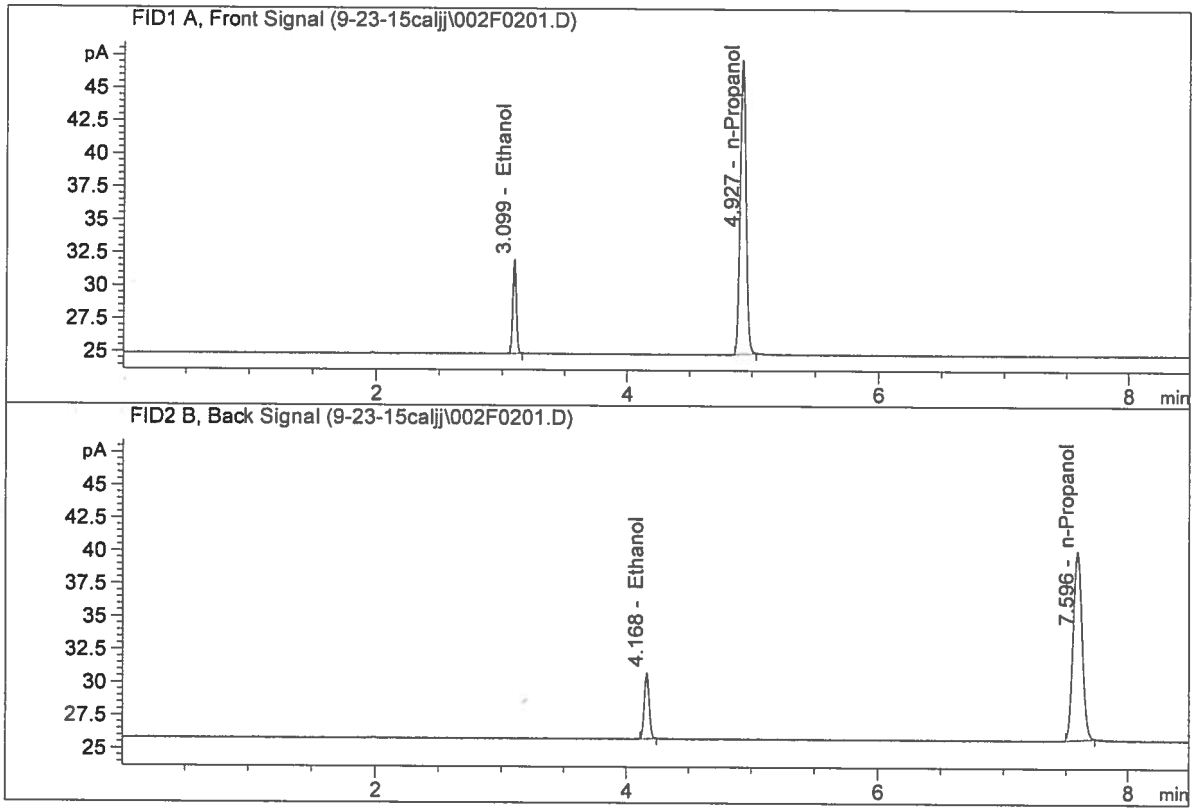
ISP Forensic Services Blood Alcohol Report

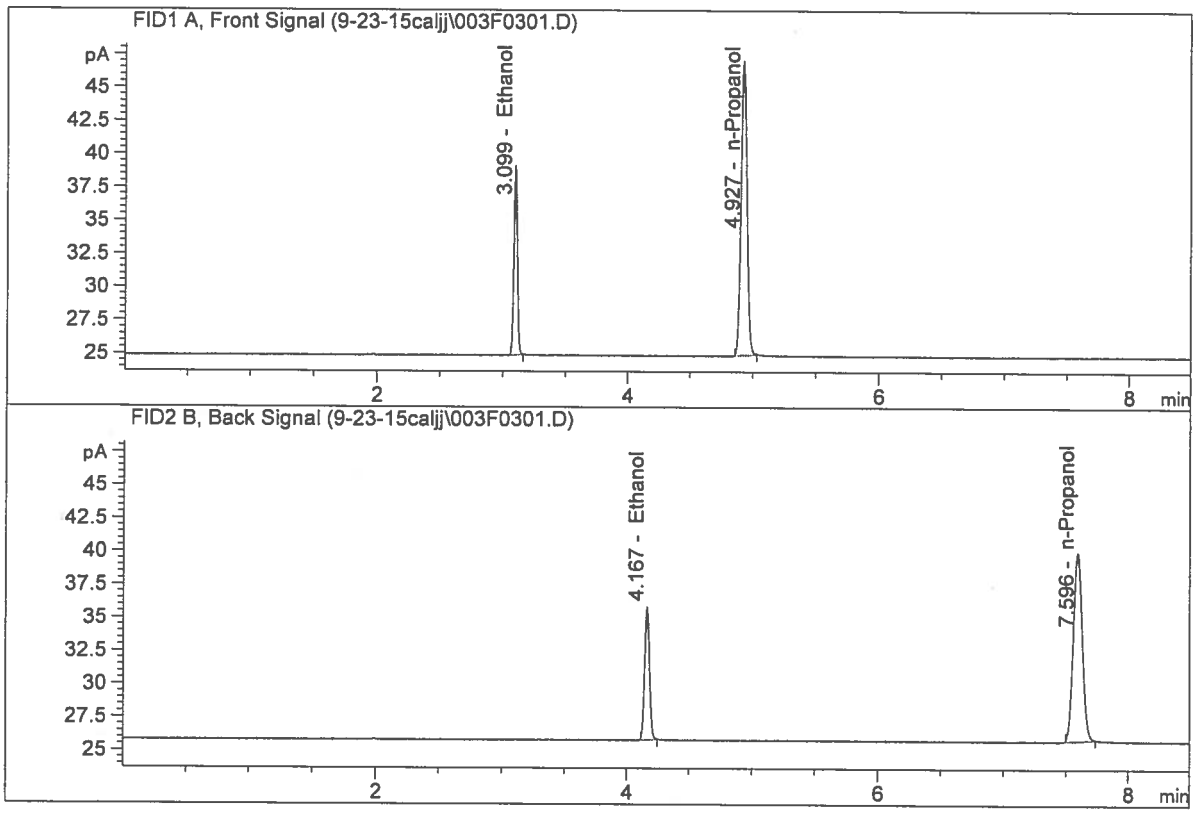
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.80429	0.1001	g/100cc
2.	Ethanol	Column 2:	13.70225	0.0995	g/100cc
3.	n-Propanol	Column 1:	72.75305	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.11572	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.43731	0.2003	g/100cc
2.	Ethanol	Column 2:	27.32279	0.1997	g/100cc
3.	n-Propanol	Column 1:	72.22937	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.65289	1.0000	g/100cc

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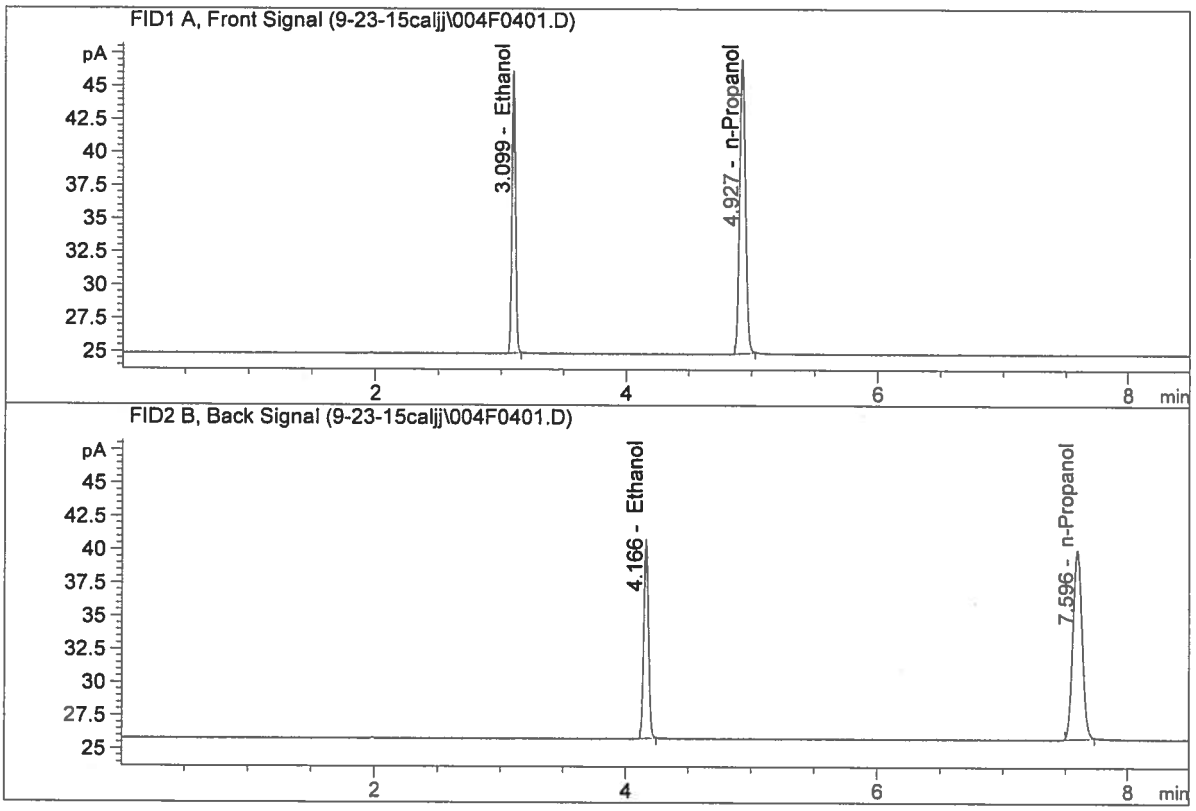
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	40.92586	0.2990	g/100cc
2.	Ethanol	Column 2:	40.69327	0.2985	g/100cc
3.	n-Propanol	Column 1:	72.17408	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.41071	1.0000	g/100cc

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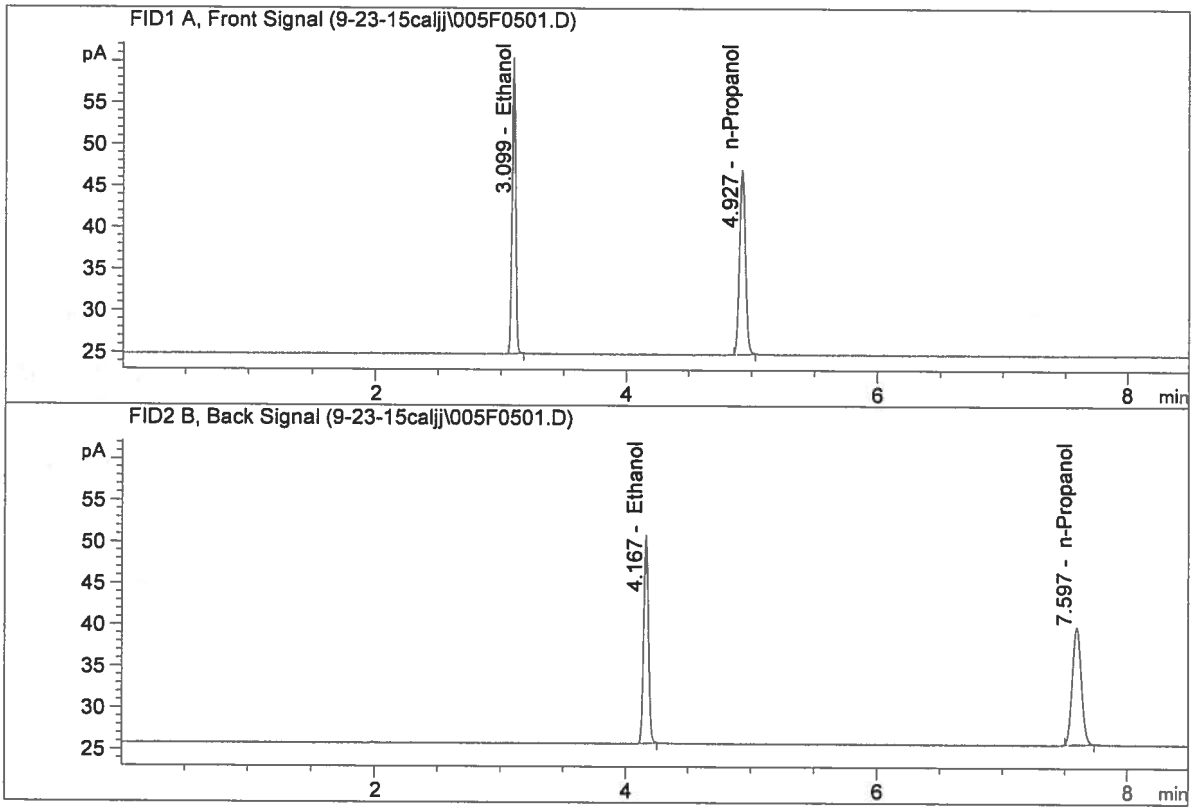
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	68.46198	0.5004	g/100cc
2.	Ethanol	Column 2:	67.99440	0.5012	g/100cc
3.	n-Propanol	Column 1:	72.14348	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.06283	1.0000	g/100cc

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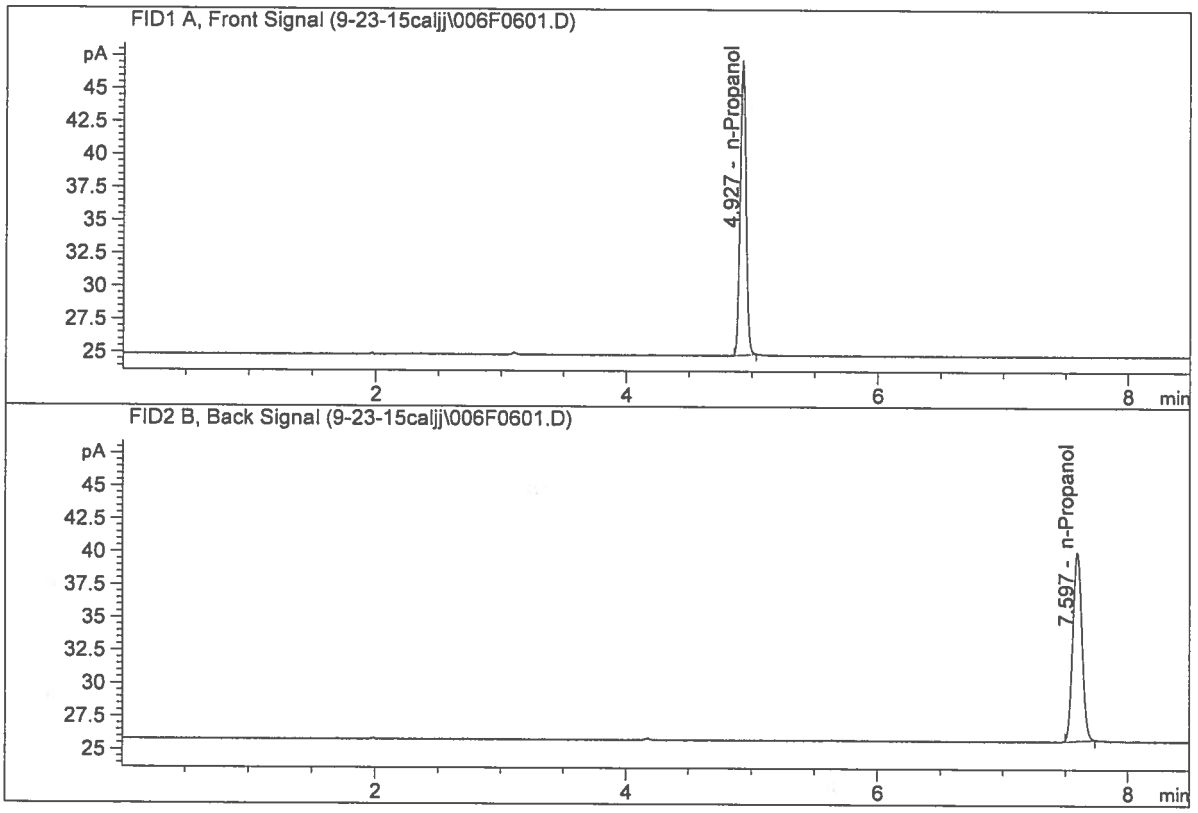
ISP Forensic Services Blood Alcohol Report

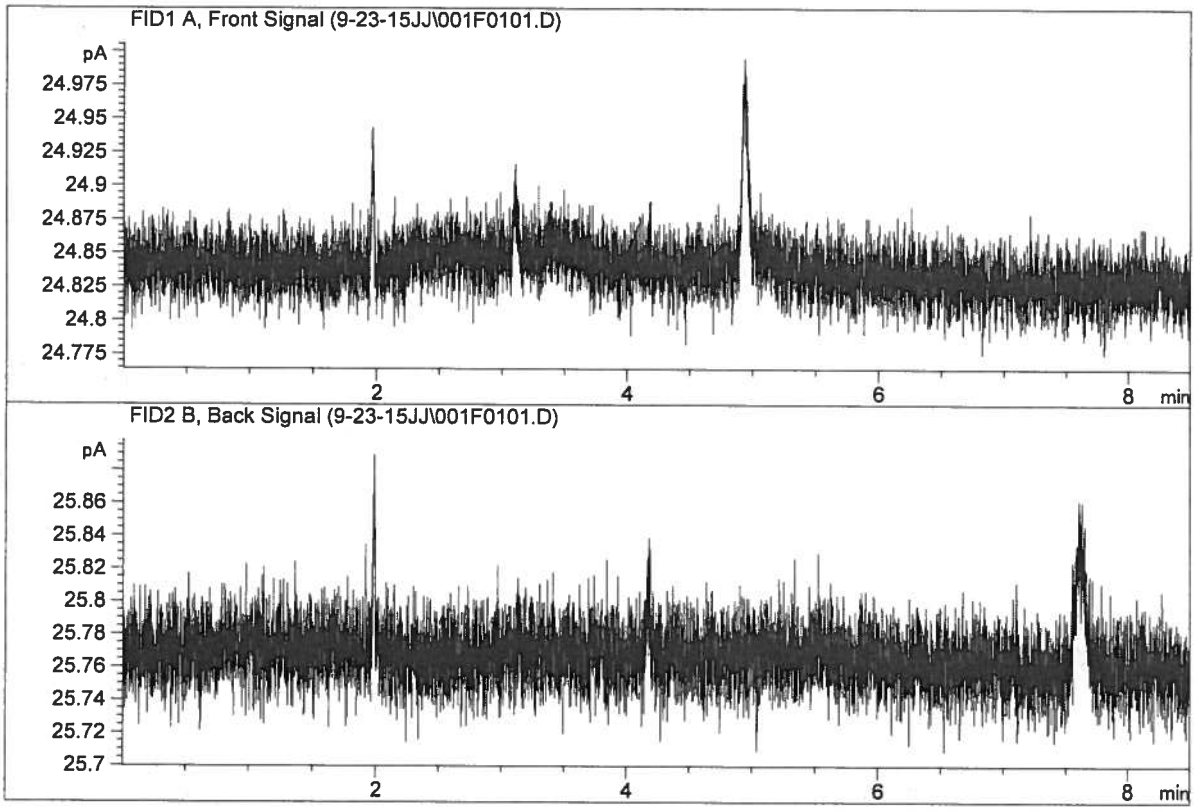
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	72.86489	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.29385	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

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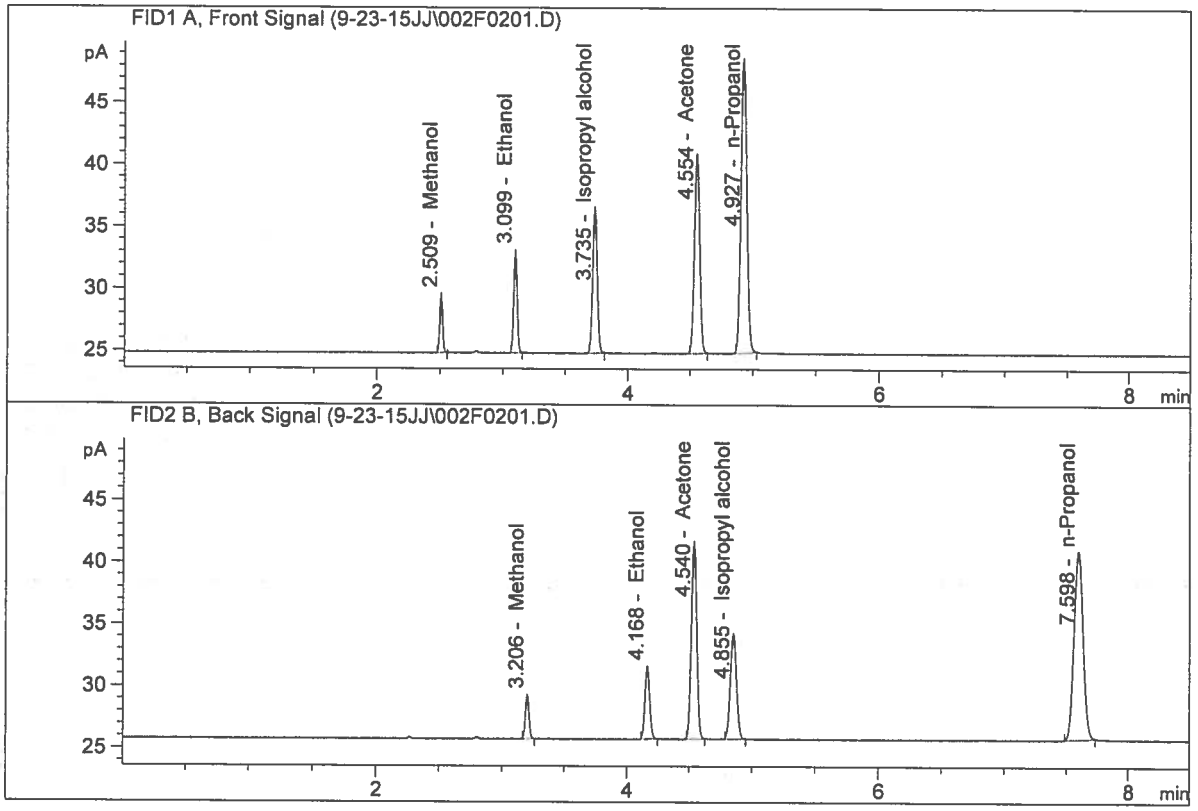
ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-012111-01
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.11056	0.1100	g/100cc
2.	Ethanol	Column 2:	16.14239	0.1104	g/100cc
3.	n-Propanol	Column 1:	77.25297	1.0000	g/100cc
4.	n-Propanol	Column 2:	76.60043	1.0000	g/100cc

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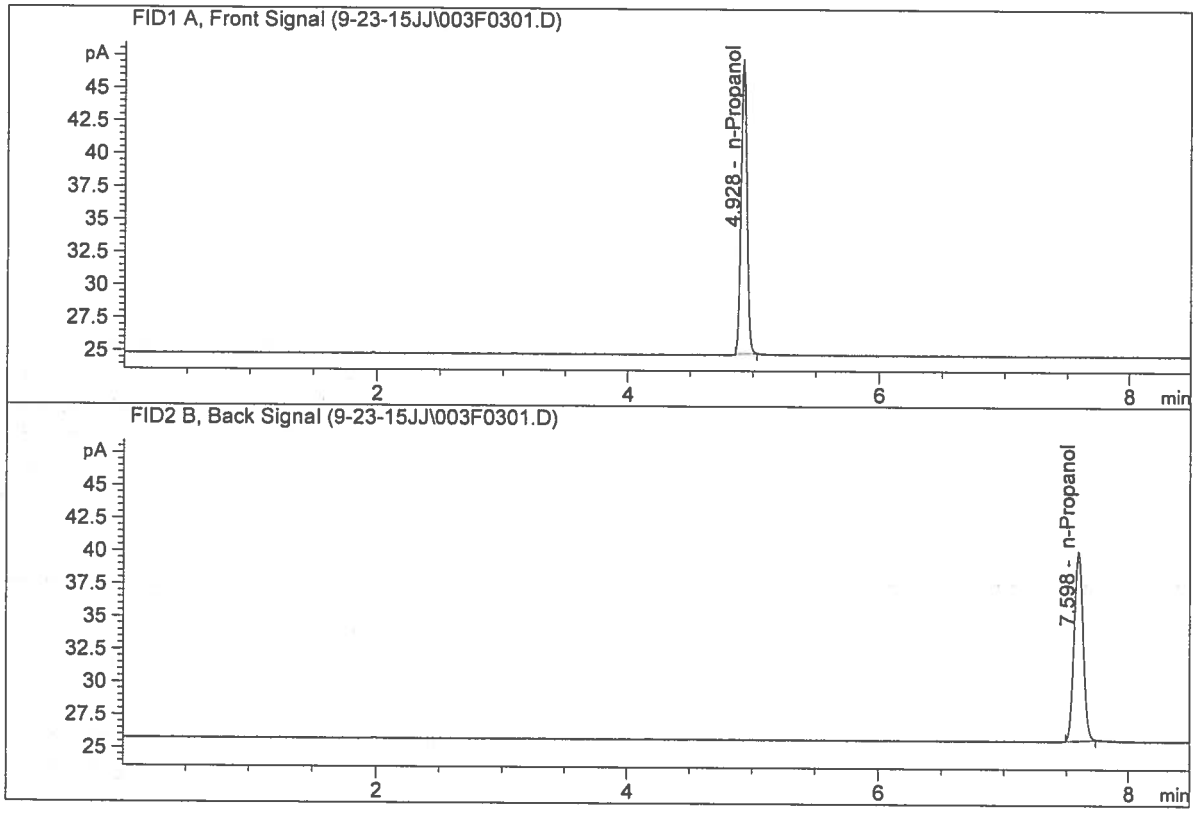
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	73.10244	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.55851	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 23 Sep 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0758	0.0750	0.0008	0.0754	0.0754
(g/100cc)	0.0757	0.0754	0.0003	0.0755	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

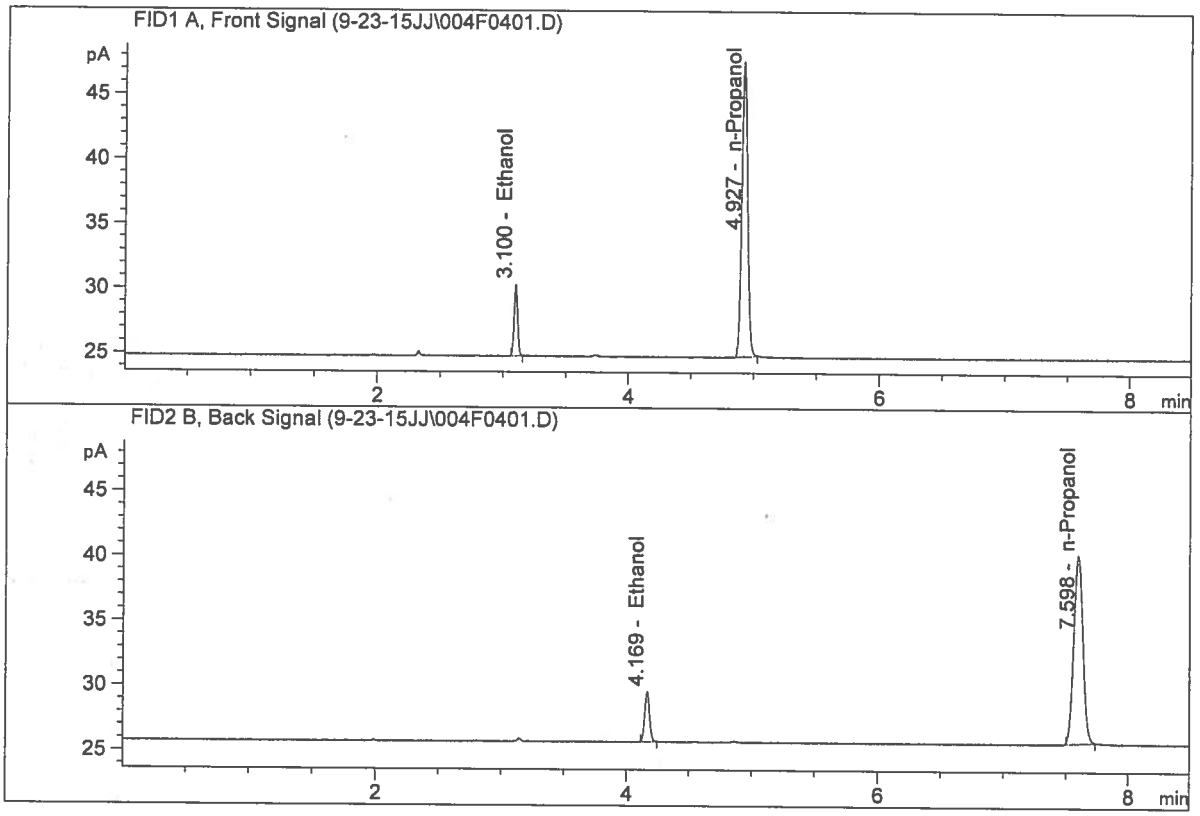
Reported Result
0.075

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.65281	0.0758	g/100cc
2.	Ethanol	Column 2:	10.51125	0.0750	g/100cc
3.	n-Propanol	Column 1:	74.14896	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.36366	1.0000	g/100cc

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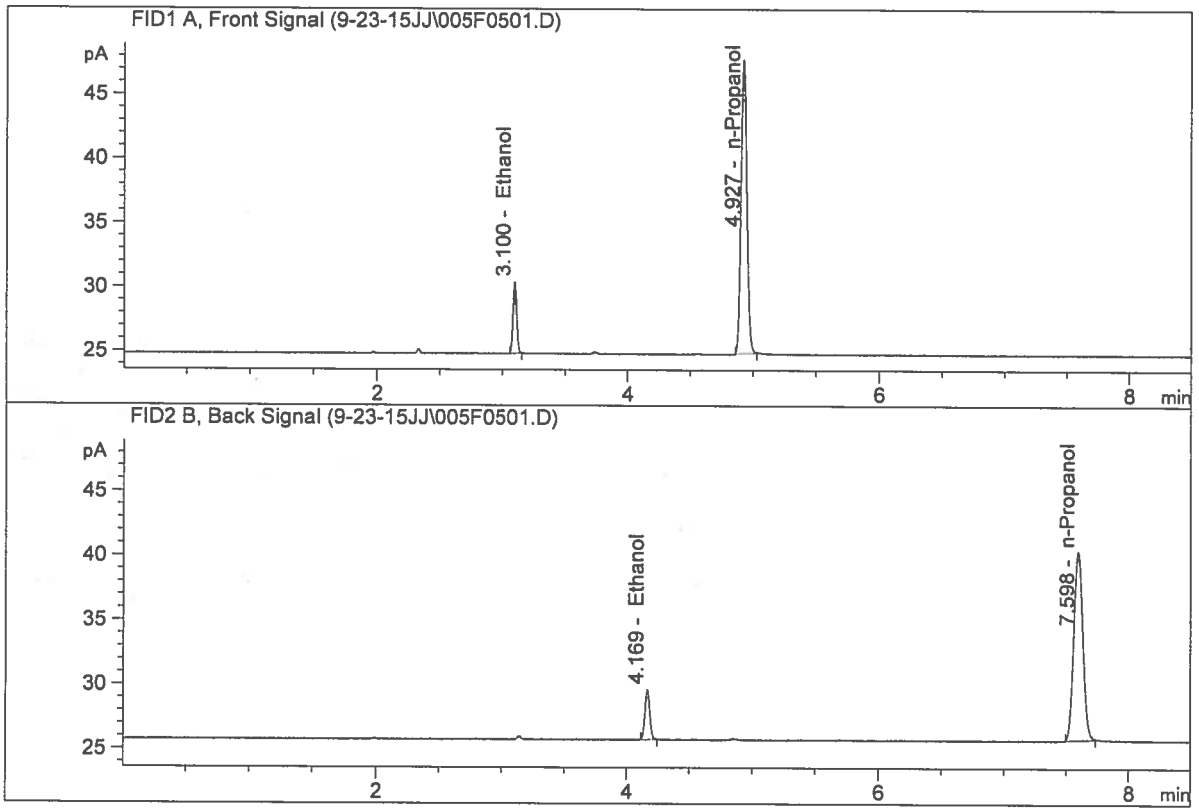
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.70976	0.0757	g/100cc
2.	Ethanol	Column 2:	10.63301	0.0754	g/100cc
3.	n-Propanol	Column 1:	74.57372	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.90780	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 23 Sep 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0800	0.0791	0.0009	0.0795	0.0796
(g/100cc)	0.0800	0.0793	0.0007	0.0796	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

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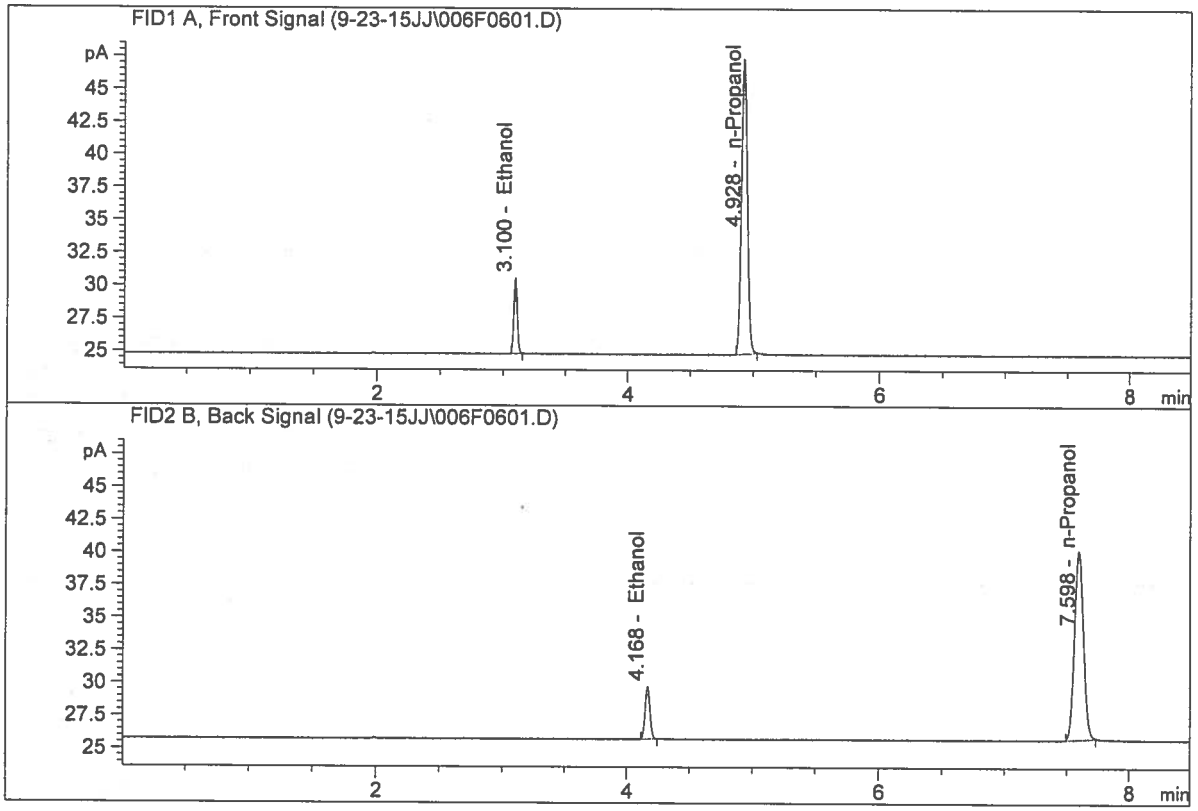
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-A
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.11996	0.0800	g/100cc
2.	Ethanol	Column 2:	10.96829	0.0791	g/100cc
3.	n-Propanol	Column 1:	73.34341	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.60234	1.0000	g/100cc

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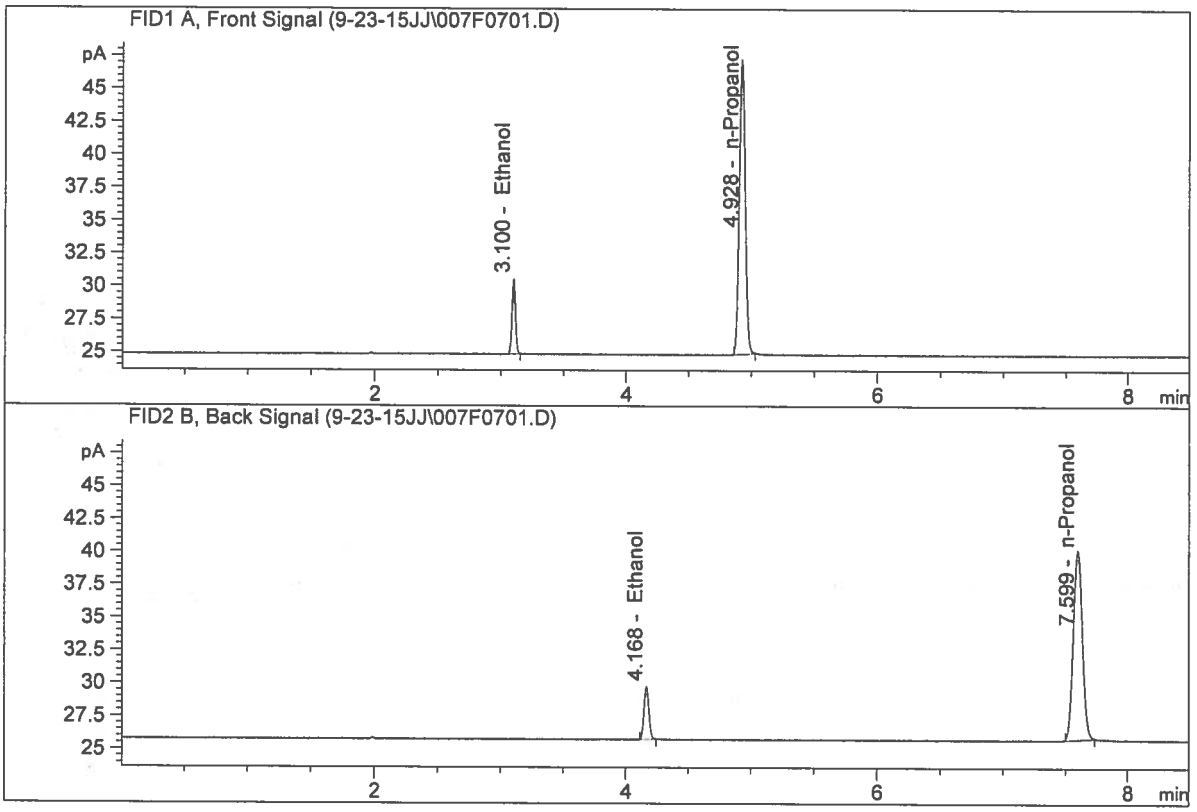
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.08518	0.0800	g/100cc
2.	Ethanol	Column 2:	10.95840	0.0793	g/100cc
3.	n-Propanol	Column 1:	73.08736	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.37225	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 23 Sep 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results (g/100cc)	0.2069	0.2069	0.0000	0.2069	0.2071
	0.2074	0.2073	0.0001	0.2073	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

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

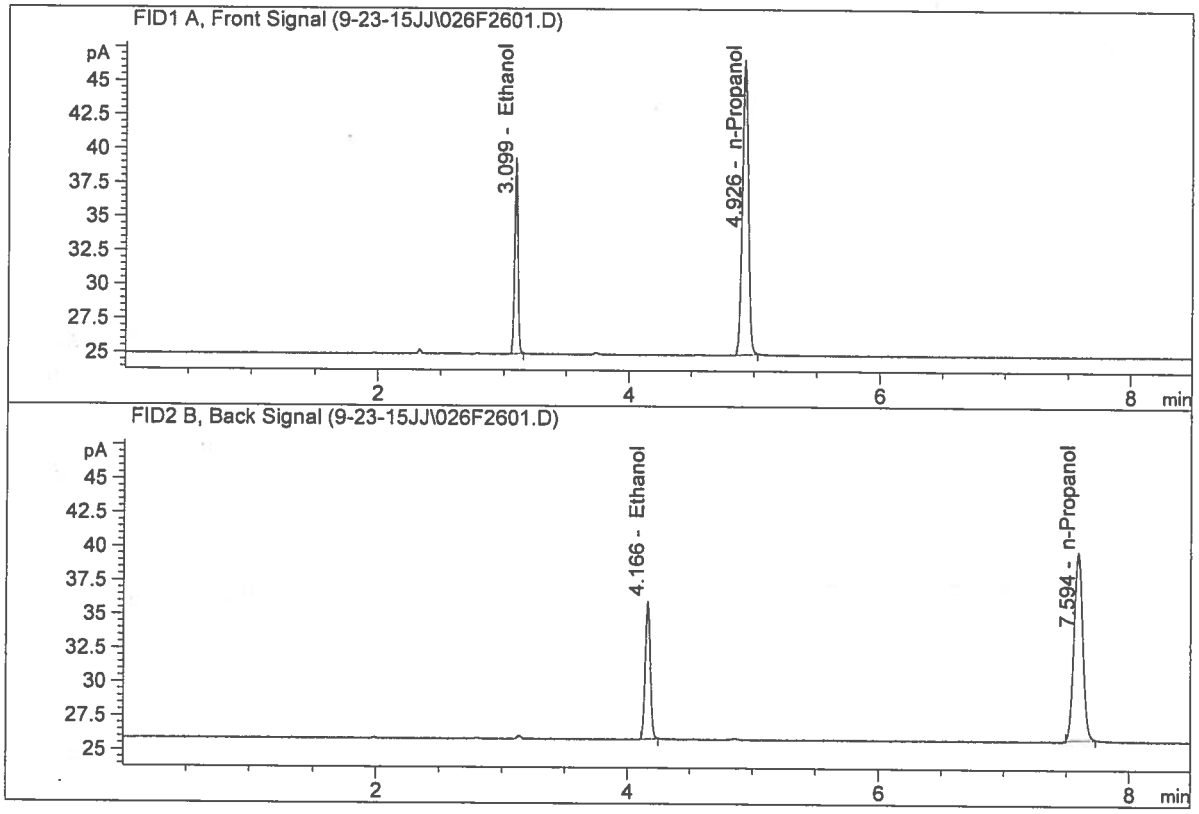
Reported Result
0.207

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.85096	0.2069	g/100cc
2.	Ethanol	Column 2:	27.64931	0.2069	g/100cc
3.	n-Propanol	Column 1:	70.99276	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.98112	1.0000	g/100cc

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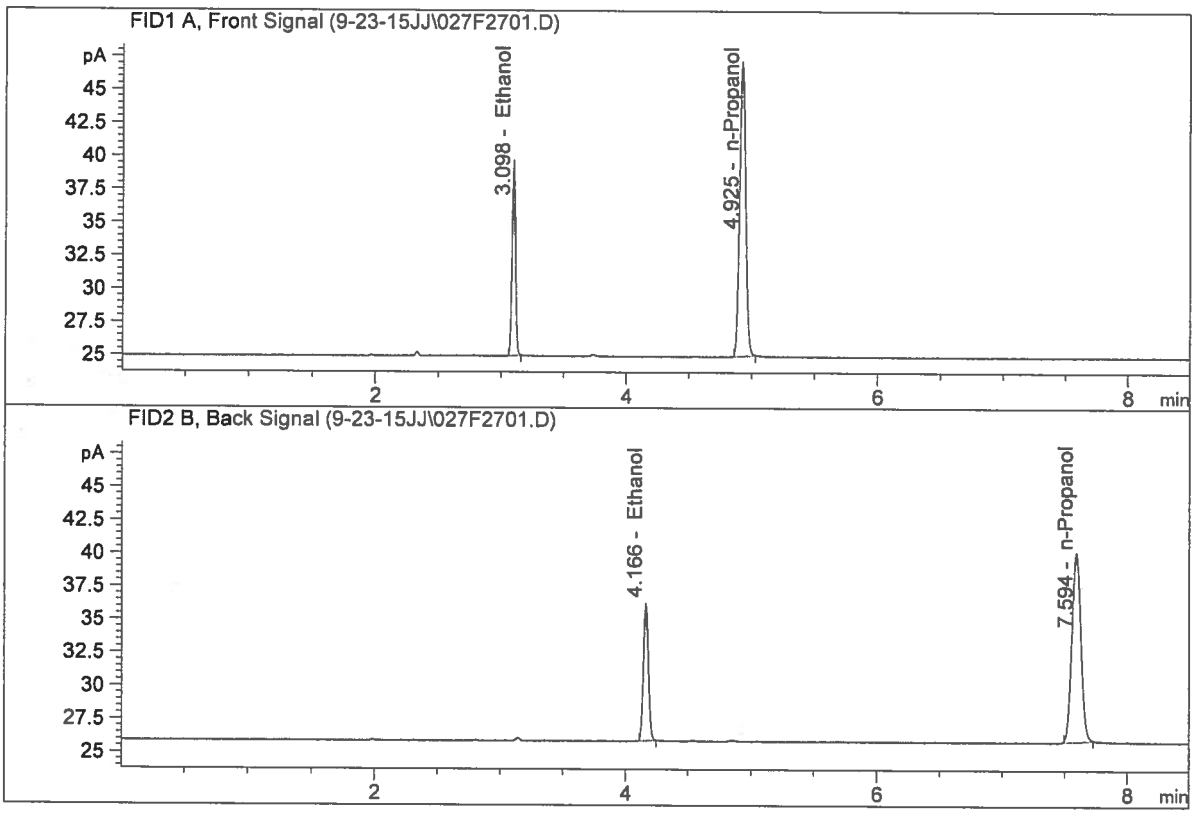
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	28.52615	0.2074	g/100cc
2.	Ethanol	Column 2:	28.32439	0.2073	g/100cc
3.	n-Propanol	Column 1:	72.53004	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.55302	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 23 Sep 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0783	0.0779	0.0004	0.0781	0.0777
(g/100cc)	0.0778	0.0771	0.0007	0.0774	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

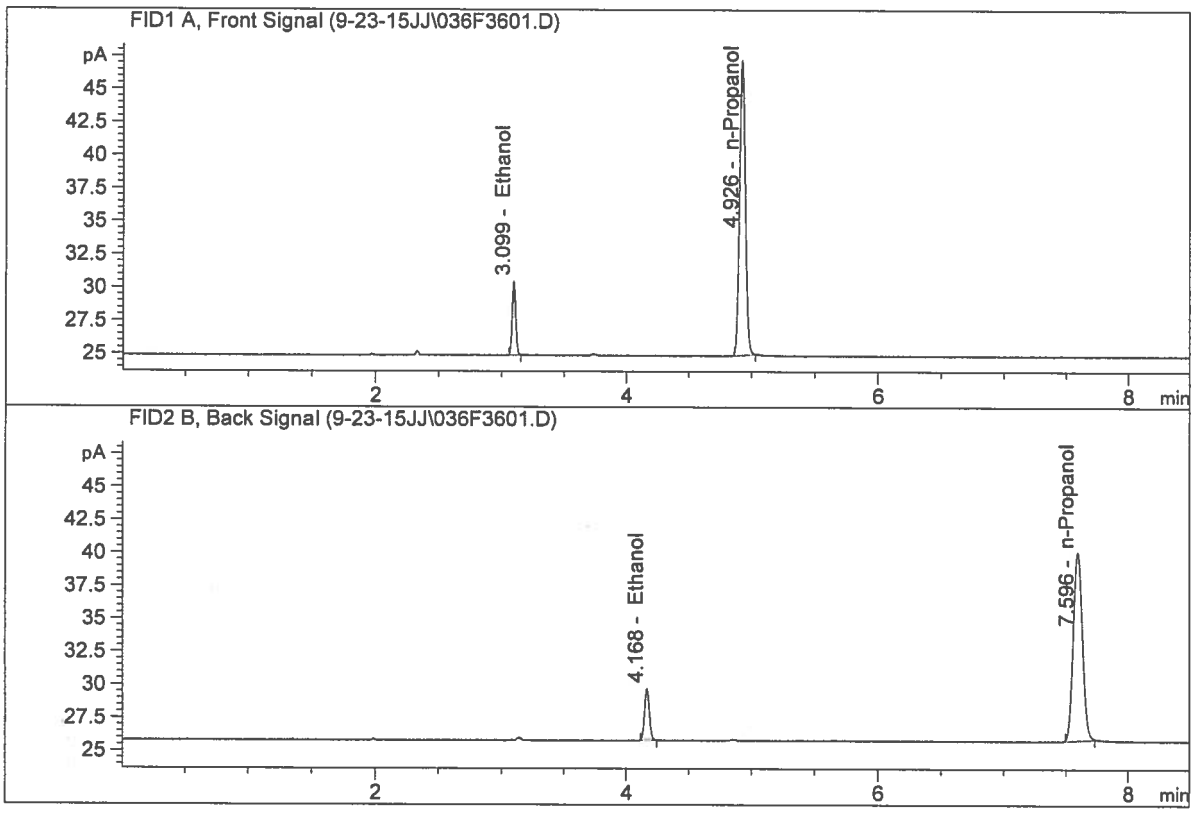
Reported Result
0.077

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.80823	0.0783	g/100cc
2.	Ethanol	Column 2:	10.69289	0.0779	g/100cc
3.	n-Propanol	Column 1:	72.77905	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.89544	1.0000	g/100cc

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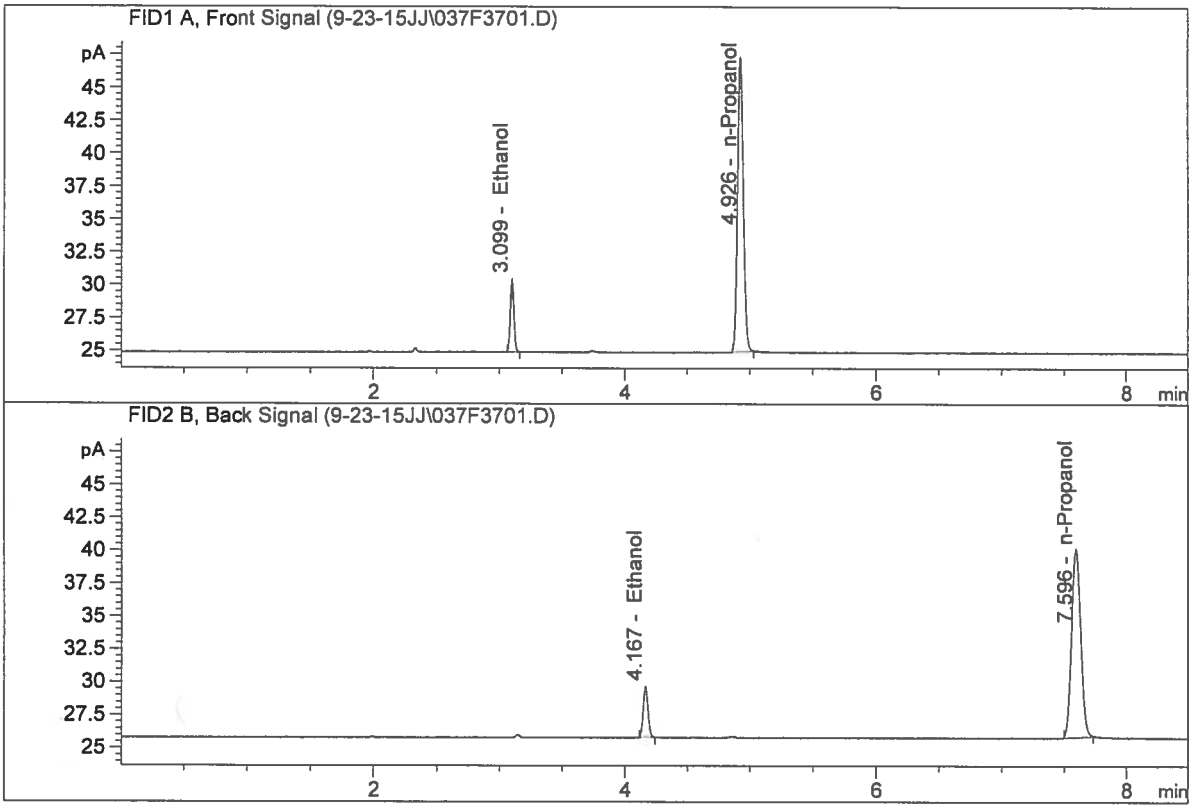
ISP Forensic Services Blood Alcohol Report

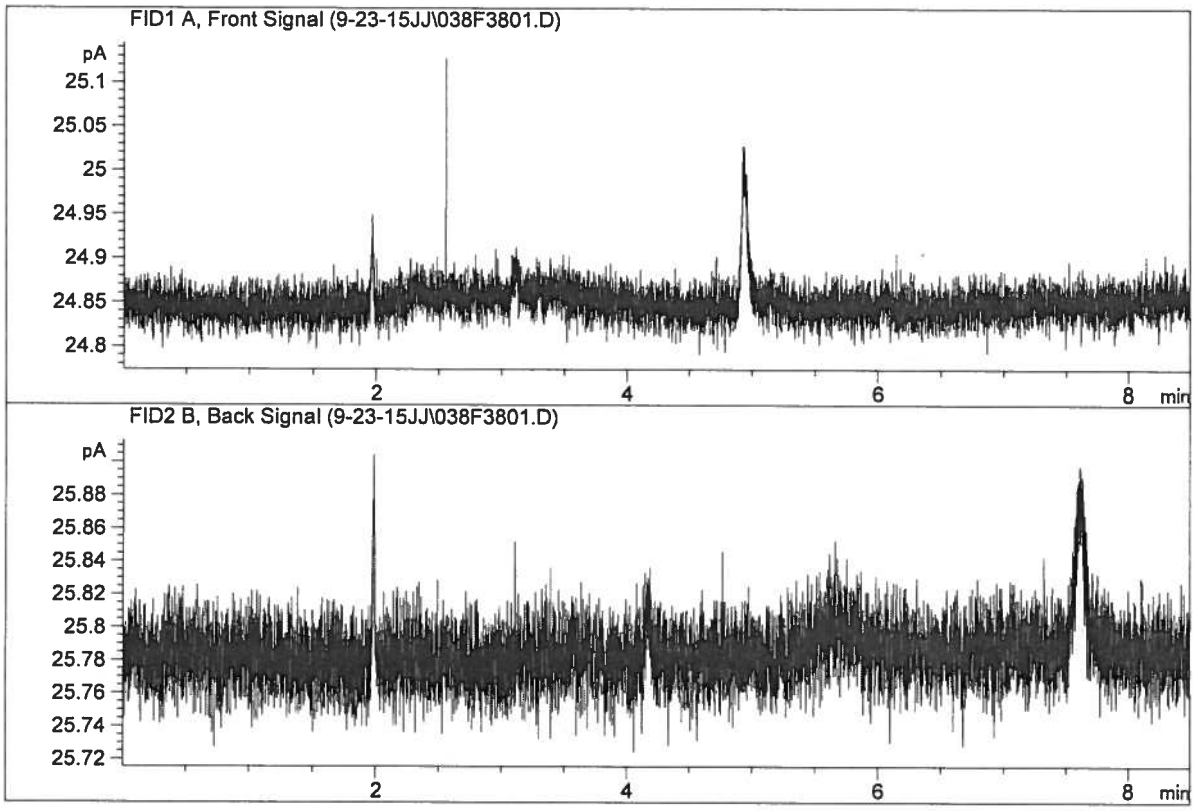
Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.75301	0.0778	g/100cc
2.	Ethanol	Column 2:	10.58644	0.0771	g/100cc
3.	n-Propanol	Column 1:	72.86394	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.93552	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

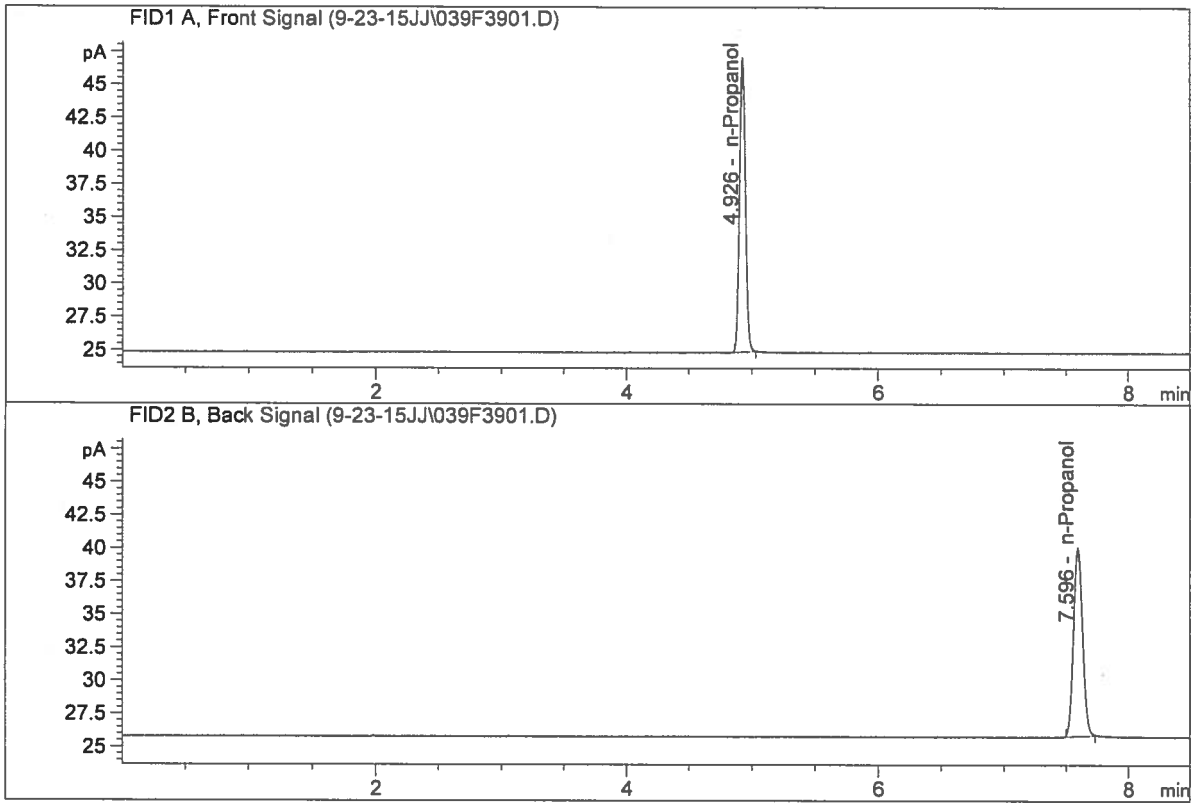
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Sep 23, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	72.30772	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.53571	1.0000	g/100cc

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