



Houston Forensic Science Center  
Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 2

Date	N <sub>2</sub> Tank Pressure	H <sub>2</sub> Tank Pressure	Air Tank Pressure	He Tank Pressure	Air Control	SS	Comments	Signature
					Pass/Fail	Pass/Fail		
11/14/18	70 1200	70 1400	70 2250	70 900	PASS	PASS	CHANGED AIR TANK. 11/14/18, pm	BAM

Form Complete Date/Signature: Brooke Mendonhall 11/19/18

BAM  
11/19/18

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SEQUENCE PARAMETERS  
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Sequence : C:\CHEM32\1\SEQUENCE\2018\11-NOVEMBER\ALC\_20181114\_TEST.S  
Operator : Dana R. Mike  
Data File Naming : Auto  
Data Directory : C:\Chem32\1\Data\  
Data Subdirectory : ALC\_20181114\_TEST  
Barcode Reader : not used  
Shutdown Cmd/Macro : macro "shutdowncm.mac",go  
Sequence Comment : I.S. Lot: 181015-IS Pipette: Hamilton 1742  
Part of Methods to run: According to Runtime Checklist  
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:  
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Line : 1F  
Location : 1  
Sample Information :  
Sample Name : Air Control  
Method Name : VOLATILES  
Sample Type : Sample  
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Line : 2F  
Location : 2  
Sample Information :  
Sample Name : Air Control  
Method Name : VOLATILES  
Sample Type : Sample  
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Line : 3F  
Location : 3  
Sample Information : Lot: FN10221601  
Sample Name : SS  
Method Name : VOLATILES  
Sample Type : Sample  
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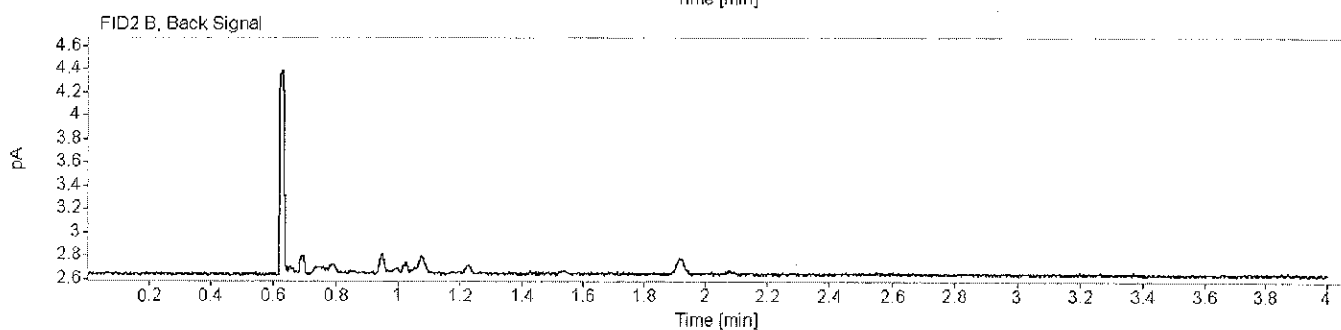
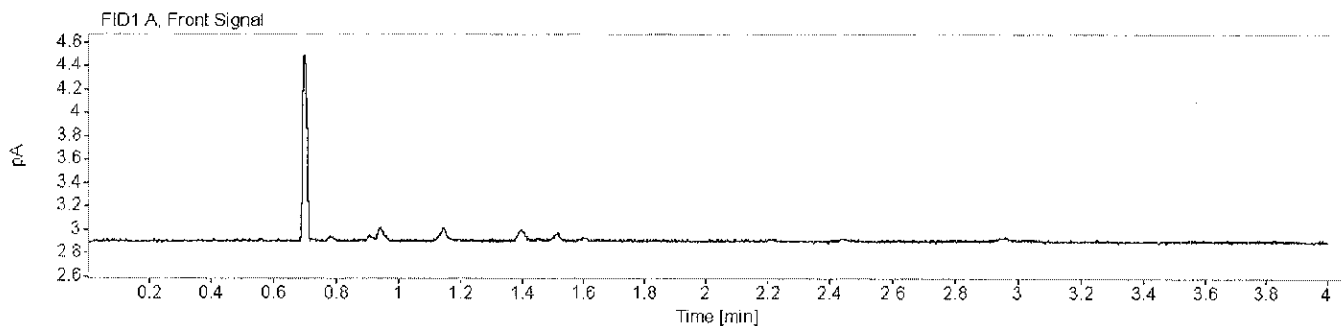
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*HOW*

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**Toxicology - Volatile Analysis Chromatograms**



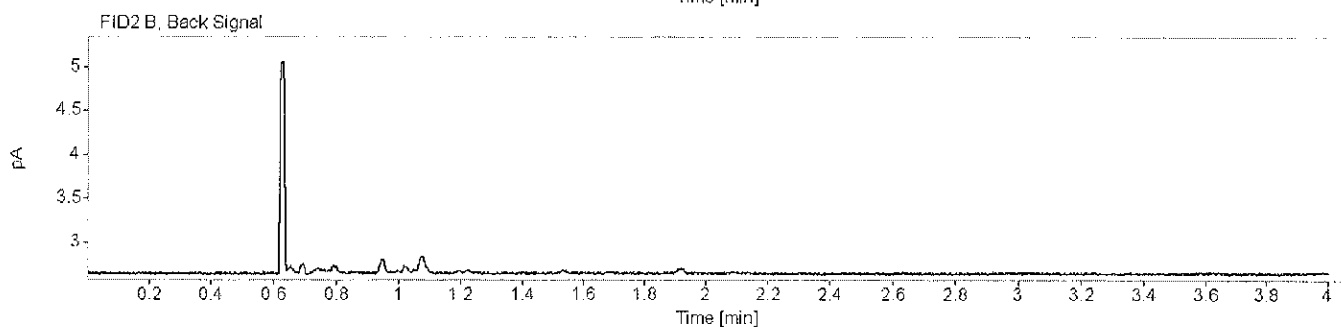
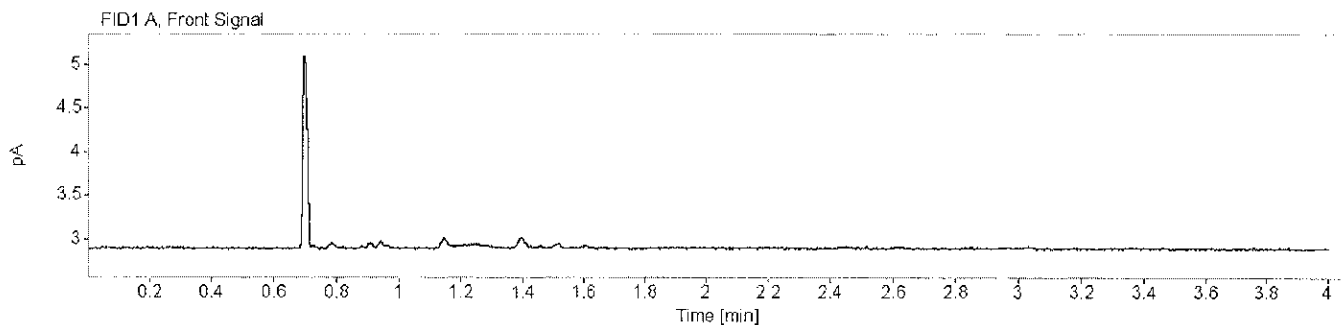
Sample name: Air Control Description: Vial Number: 1  
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 11/14/2018 2:42:48 PM  
Data file: C:\Chem32\1\Data\ALC\_20181114\_TEST\ALC\_20181114\_TEST 2018-11-14 14-33-46\001F0101.D



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Sample name: Air Control Description: Vial Number: 2  
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 11/14/2018 2:47:17 PM  
Data file: C:\Chem32\1\Data\ALC\_20181114\_TEST\ALC\_20181114\_TEST 2018-11-14 14-33-46\002F0201.D

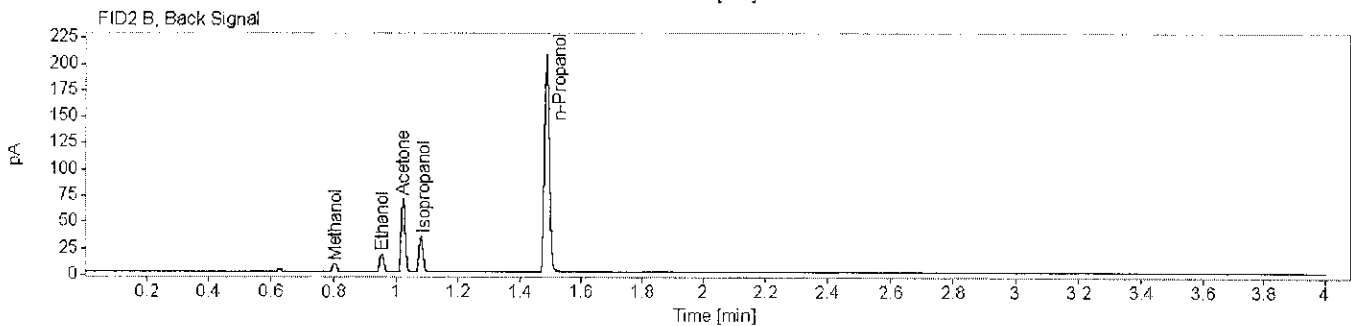
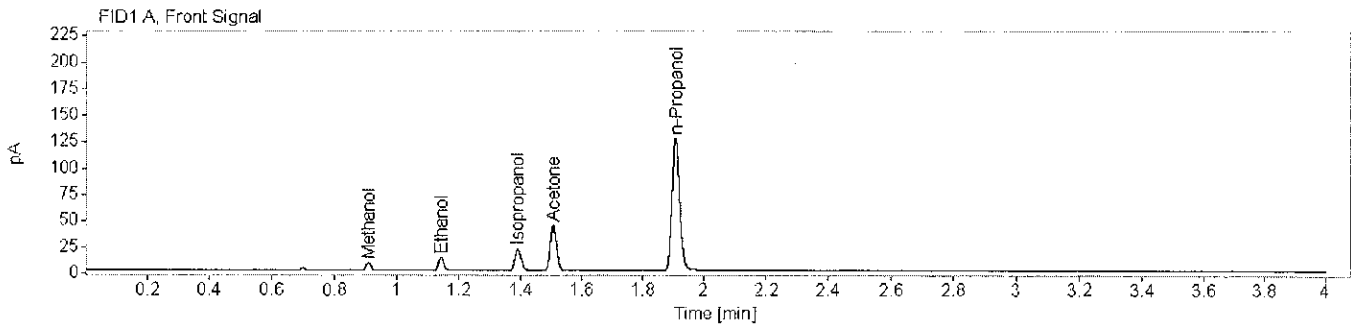


A handwritten signature in black ink, appearing to be "DM".

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**Forensic Analysis Division**  
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Sample name: SS Description: Lot: FN10221601 Vial Number: 3  
 Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 11/14/2018 2:53:11 PM  
 Data file: C:\Chem32\1\Data\ALC\_20181114\_TEST\ALC\_20181114\_TEST 2018-11-14 14-33-46\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	0.98848		0.910	0.910	7.6640	0.0124
Ethanol	0.81665		1.143	1.144	14.9546	0.0121
Isopropanol	0.83608		1.391	1.392	28.5795	0.0104
Acetone	0.88978		1.508	1.509	60.2947	0.0117
n-Propanol	0.82418		1.907	1.911	222.9428	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.22846		0.805	0.806	8.0316	0.0121
Ethanol	0.88679		0.955	0.955	15.6991	0.0118
Acetone	0.89776		1.023	1.023	62.6372	0.0115
Isopropanol	0.85467		1.080	1.081	30.9441	0.0107
n-Propanol	0.87325		1.489	1.490	235.0623	0.0100

*DM*