



Houston Forensic Science Center  
Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 3

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		
11/19/18	70 300	70 1600	70 600	70 500	Pass	Pass		
11/20/18	70 2500	70 1600	70 2200	70 2700	X	X	Changed the air, nitrogen, & helium tanks	BAM
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>

Form Complete Date/Signature: Brooke Mendenhall 11/26/18

BAM  
11/26/18

-----  
SEQUENCE PARAMETERS  
-----

Sequence : C:\CHEM32\1\SEQUENCE\ALC\_20181119\_TEST.S  
Operator : Ashley Ann Johnson, M.S.  
Data File Naming : Auto  
Data Directory : C:\Chem32\1\Data\  
Data Subdirectory : ALC\_20181119\_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:  
=====

Line : 1F  
Location : 1  
Sample Information :  
Sample Name : Air Control  
Method Name : VOLATILES  
Sample Type : Sample  
-----

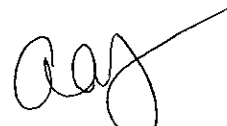
=====

Line : 2F  
Location : 2  
Sample Information :  
Sample Name : Air Control  
Method Name : VOLATILES  
Sample Type : Sample  
-----

=====

Line : 3F  
Location : 3  
Sample Information : Lot: FN10221601  
Sample Name : SS  
Method Name : VOLATILES  
Sample Type : Sample  
-----

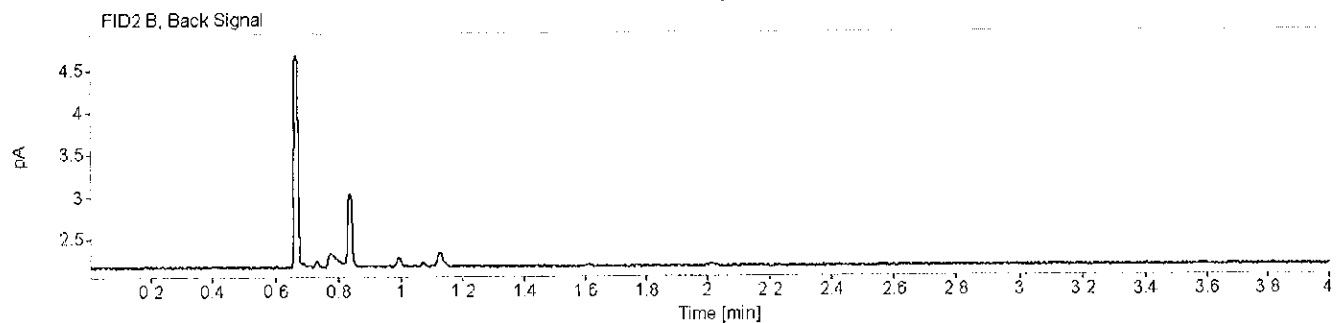
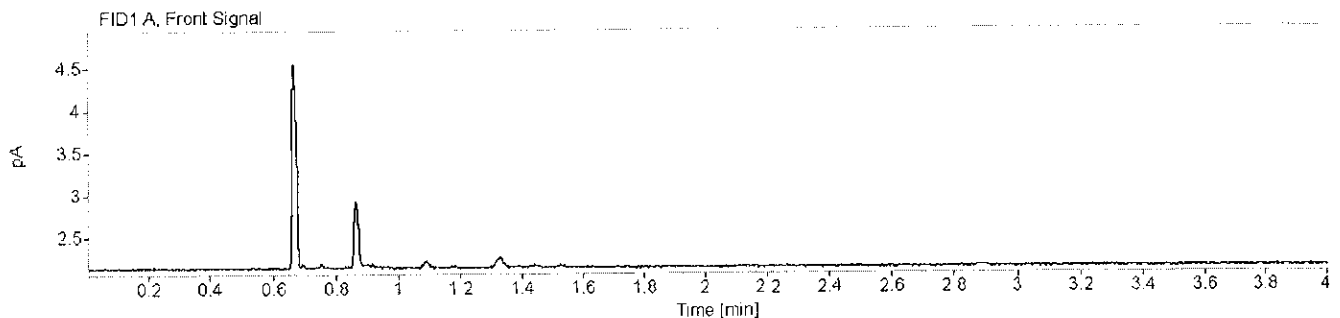
=====



**Houston Forensic Science Center, Inc.**  
**Forensic Analysis Division**  
**Toxicology - Volatile Analysis Chromatograms**




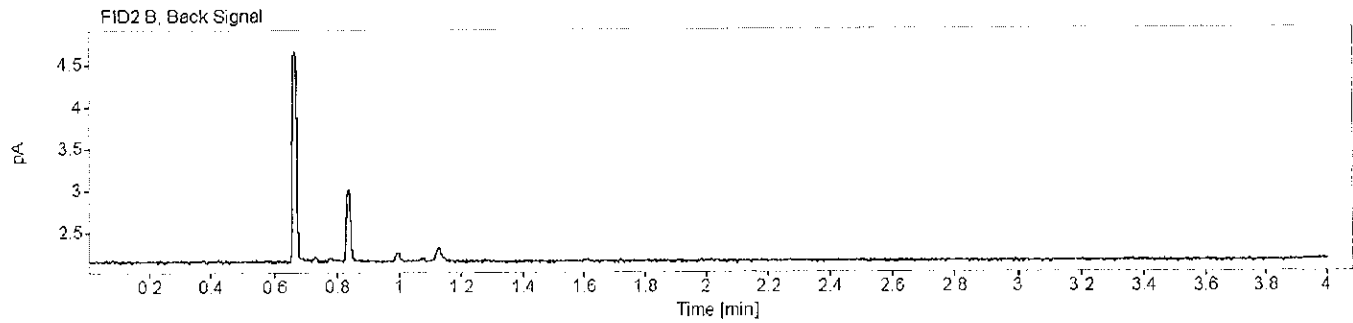
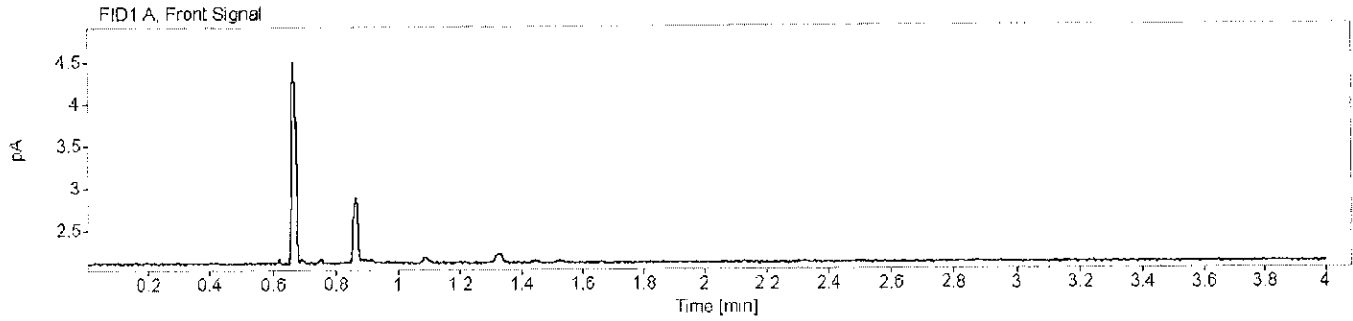
Sample name: Air Control Description: Vial Number: 1  
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 11/19/2018 9:42:05 AM  
Data file: C:\Chem32\1\Data\ALC\_20181119\_TEST\ALC\_20181119\_TEST 2018-11-19 09-32-45\001F0101.D



**Houston Forensic Science Center, Inc.**  
**Forensic Analysis Division**  
**Toxicology - Volatile Analysis Chromatograms**



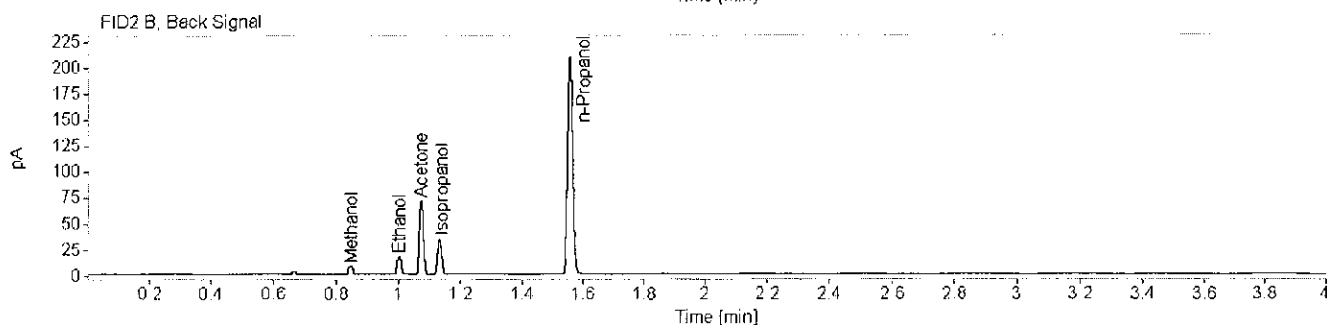
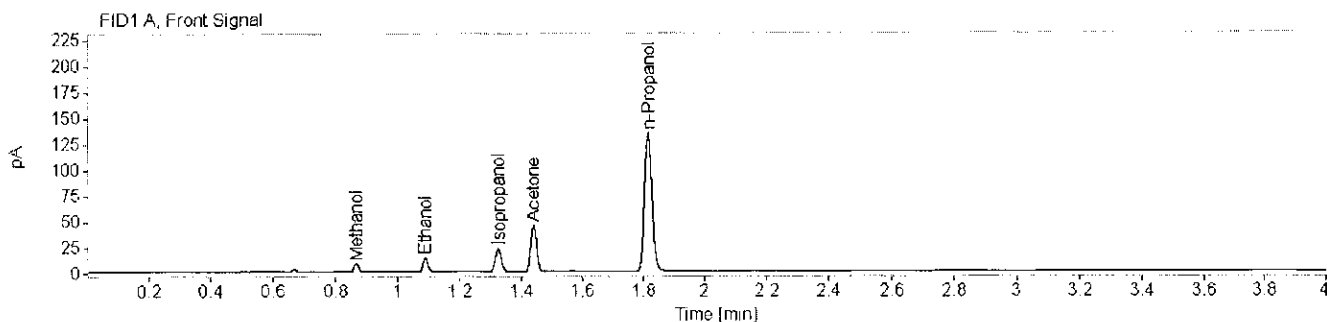
Sample name: Air Control Description: Vial Number: 2  
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 11/19/2018 9:46:36 AM  
Data file: C:\Chem32\1\Data\ALC\_20181119\_TEST\ALC\_20181119\_TEST 2018-11-19 09-32-45\002F0201.D



**Houston Forensic Science Center, Inc.**  
**Forensic Analysis Division**  
**Toxicology - Volatile Analysis Chromatograms**



Sample name: SS Description: Lot: FN10221601 Vial Number: 3  
 Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 11/19/2018 9:52:29 AM  
 Data file: C:\Chem32\1\Data\ALC\_20181119\_TEST\ALC\_20181119\_TEST 2018-11-19 09-32-45\003F0301.D



Name FID1A ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.99429		0.868	0.868	8.1848	0.0126
Ethanol	0.84185		1.089	1.088	15.6855	0.0121
Isopropanol	0.85966		1.325	1.324	30.8303	0.0108
Acetone	0.90243		1.440	1.439	61.6068	0.0114
n-Propanol	0.86313		1.815	1.816	233.3248	0.0100

Name FID2B ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.15061		0.848	0.854	8.3216	0.0123
Ethanol	0.91551		1.004	1.011	16.3027	0.0121
Acetone	0.91607	1133.57090347438	1.075	1.081	63.4745	0.0114
Isopropanol	0.88054	541.937717096299	1.134	1.144	31.8430	0.0108
n-Propanol	0.92752		1.559	1.574	239.3387	0.0100

*ag*