



Houston Forensic Science Center
Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 3

| Date | N ₂ Tank Pressure | H ₂ Tank Pressure | Air Tank Pressure | He Tank Pressure | Air Control | SS | Comments | Signature |
|---------|------------------------------|------------------------------|-------------------|------------------|-------------|-----------|---------------------------------|-----------|
| | | | | | Pass/Fail | Pass/Fail | | |
| 9/28/18 | 70 2300 | 70 1900 | 70 2650 | 70 2000 | Pass | Pass | Changed air and nitrogen tanks. | VC |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Form Complete Date/Signature: Bruce Mendenhall 10/1/2018

BAM
10/1/18

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018-09\ALC_20180928_TEST.S
Operator : Valerie L Coronado
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20180928_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 180821-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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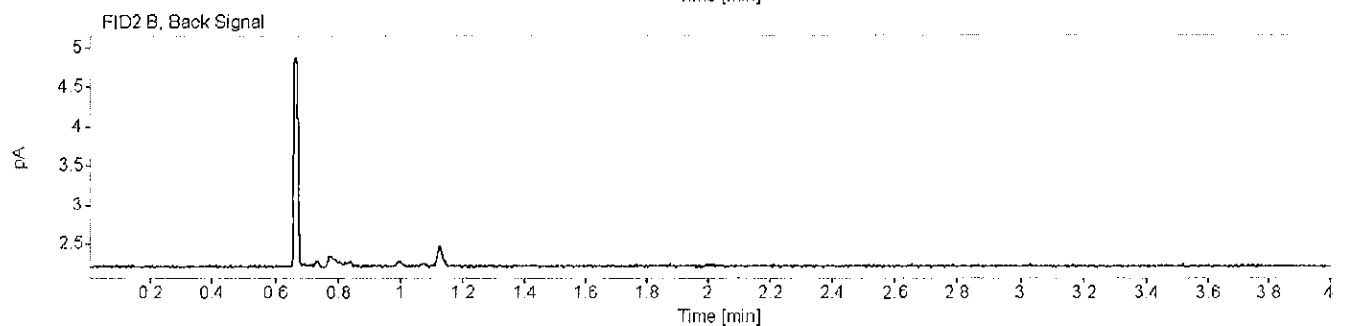
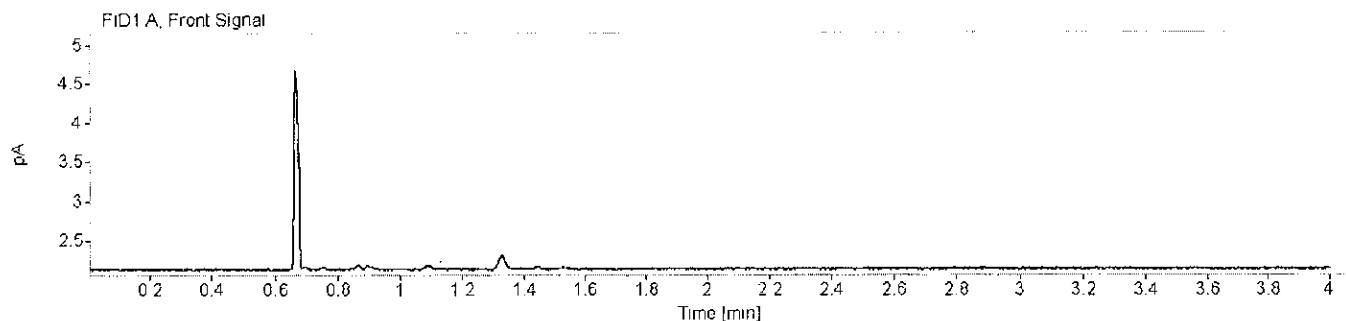
Line : 3F
Location : 3
Sample Information : Lot: FN03251502
Sample Name : SS
Method Name : VOLATILES
Sample Type : Sample

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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: 9/28/2018 12:05:41 PM
Data file: C:\Chem32\11\Data\ALC_20180928_TEST\ALC_20180928_TEST 2018-09-28 11-56-20\001F0101.D

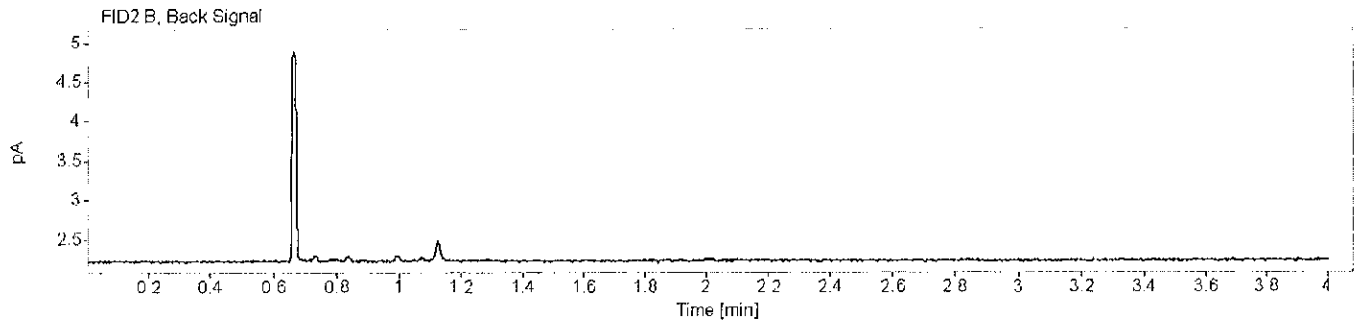
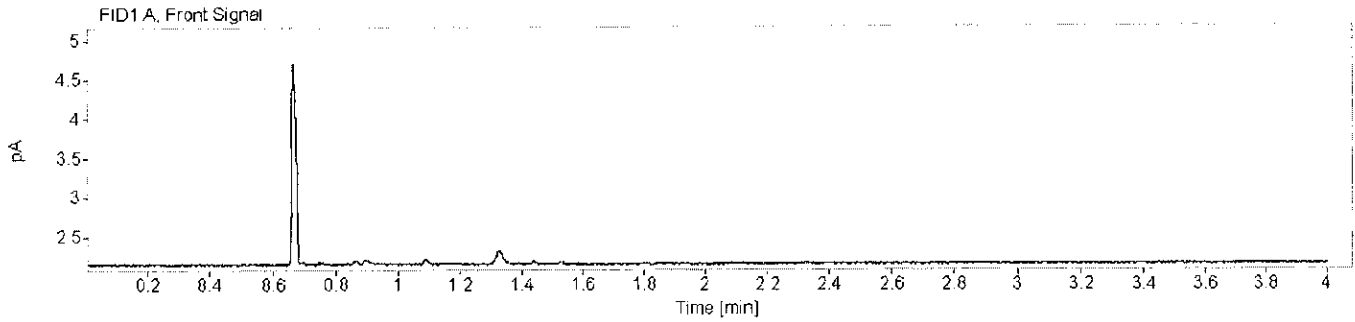


JC

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Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 9/28/2018 12:10:11 PM
Data file: C:\Chem32\11\Data\ALC_20180928_TEST\ALC_20180928_TEST 2018-09-28 11-56-20\002F0201.D

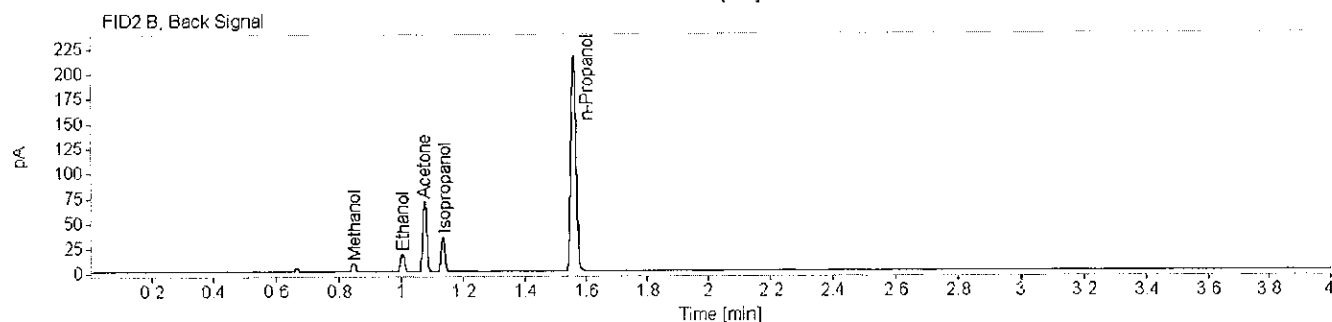
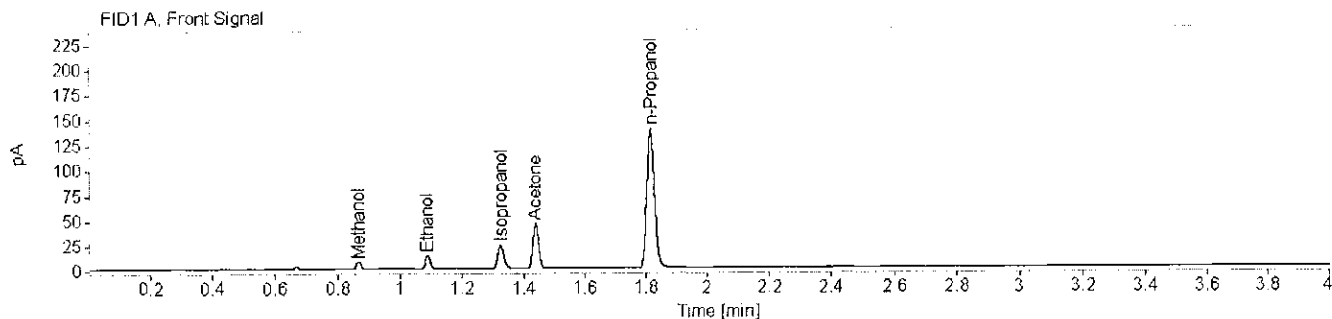


VC

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Toxicology - Volatile Analysis Chromatograms



Sample name: SS Description: Lot: FN03251502 Vial Number: 3
 Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 9/28/2018 12:16:04 PM
 Data file: C:\Chem32\11\Data\ALC_20180928_TEST\ALC_20180928_TEST 2018-09-28 11-56-20\003F0301.D



Name FID1A

| Compound | Peak Symmetry | Peak to Valley Ratio | RT [min] | Expected RT[min] | Area | Concentration [g/100 mL] |
|-------------|---------------|----------------------|----------|------------------|----------|--------------------------|
| Methanol | 0.97989 | | 0.868 | 0.868 | 7.9916 | 0.0119 |
| Ethanol | 0.80316 | | 1.090 | 1.088 | 15.6649 | 0.0117 |
| Isopropanol | 0.80447 | 315.379894673233 | 1.325 | 1.324 | 32.2658 | 0.0109 |
| Acetone | 0.90352 | 616.228204484428 | 1.440 | 1.439 | 61.0807 | 0.0109 |
| n-Propanol | 0.84722 | | 1.815 | 1.816 | 241.3104 | 0.0100 |

Name FID2B

| Compound | Peak Symmetry | Peak to Valley Ratio | RT [min] | Expected RT[min] | Area | Concentration [g/100 mL] |
|-------------|---------------|----------------------|----------|------------------|----------|--------------------------|
| Methanol | 1.07724 | | 0.848 | 0.854 | 8.1432 | 0.0116 |
| Ethanol | 0.90926 | | 1.004 | 1.011 | 16.4553 | 0.0118 |
| Acetone | 0.90759 | 938.231014117321 | 1.076 | 1.081 | 62.8749 | 0.0109 |
| Isopropanol | 0.88148 | 461.802257423433 | 1.134 | 1.144 | 32.5350 | 0.0106 |
| n-Propanol | 0.93035 | | 1.560 | 1.574 | 248.2888 | 0.0100 |

VL