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 Pass/Fail	SS Pass/Fail	Comments	Signature
9/10/18	70 / 900	70 / 2100	70 / 2500	70 / 2500	Pass	Pass		
9/12/18	70 / 850	70 / 2100	70 / 2000	70 / 2500	Pass	Pass		
9/13/18	70 / 850	70 / 2100	70 / 1700	70 / 2450	Pass	Pass		VC
				~~AR~~ - 9/17/18				

Form Complete Date/Signature: 9/17/18

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018-09\ALC_20180910_TEST.S
Operator	: Andrea S Gooden, M.S.
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20180910_TEST
Barcode Reader	: not used
Shutdown Cmd/Macro	: macro "shutdowncm.mac",go
Sequence Comment	: I.S. Lot: 180821-IS Pipette: Hamilton 7903

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

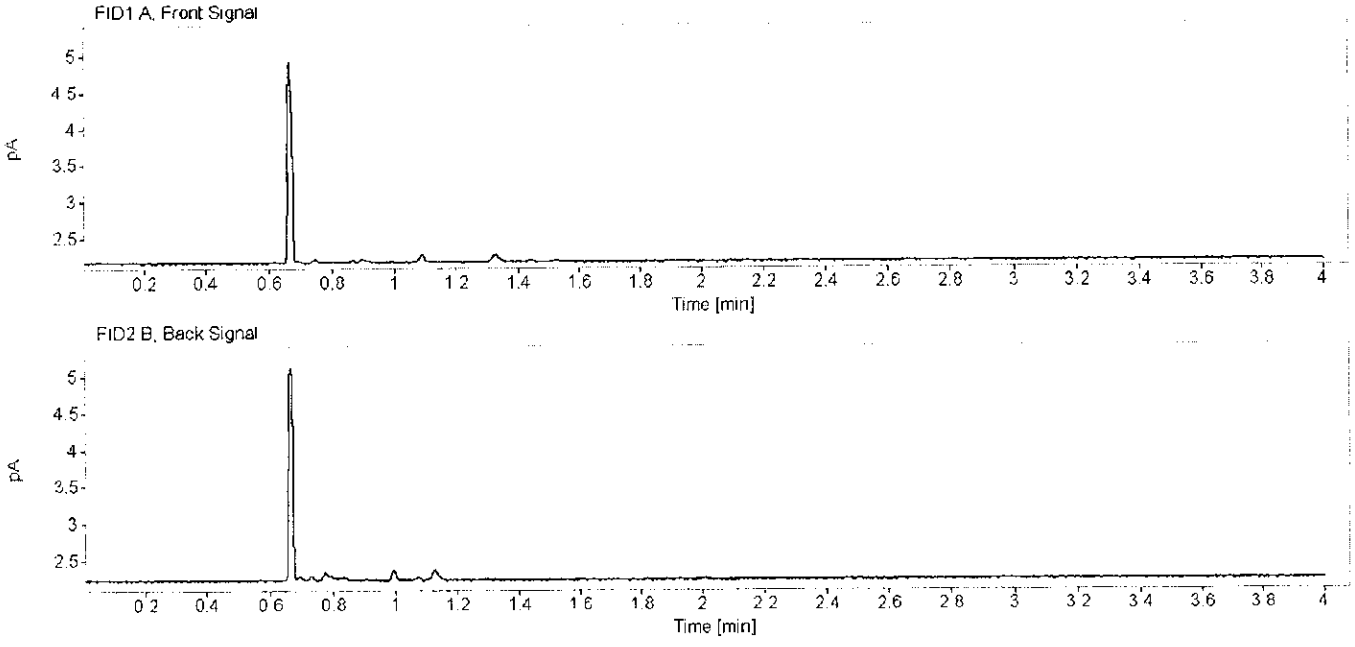
Line	: 3F
Location	: 3
Sample Information	: Lot: FN03251502
Sample Name	: SS
Method Name	: VOLATILES
Sample Type	: Sample

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: 9/10/2018 8:58:03 AM

Data file: C:\Chem32\1\Data\ALC_20180910_TEST\ALC_20180910_TEST 2018-09-10 08-43-29\001F0101.D

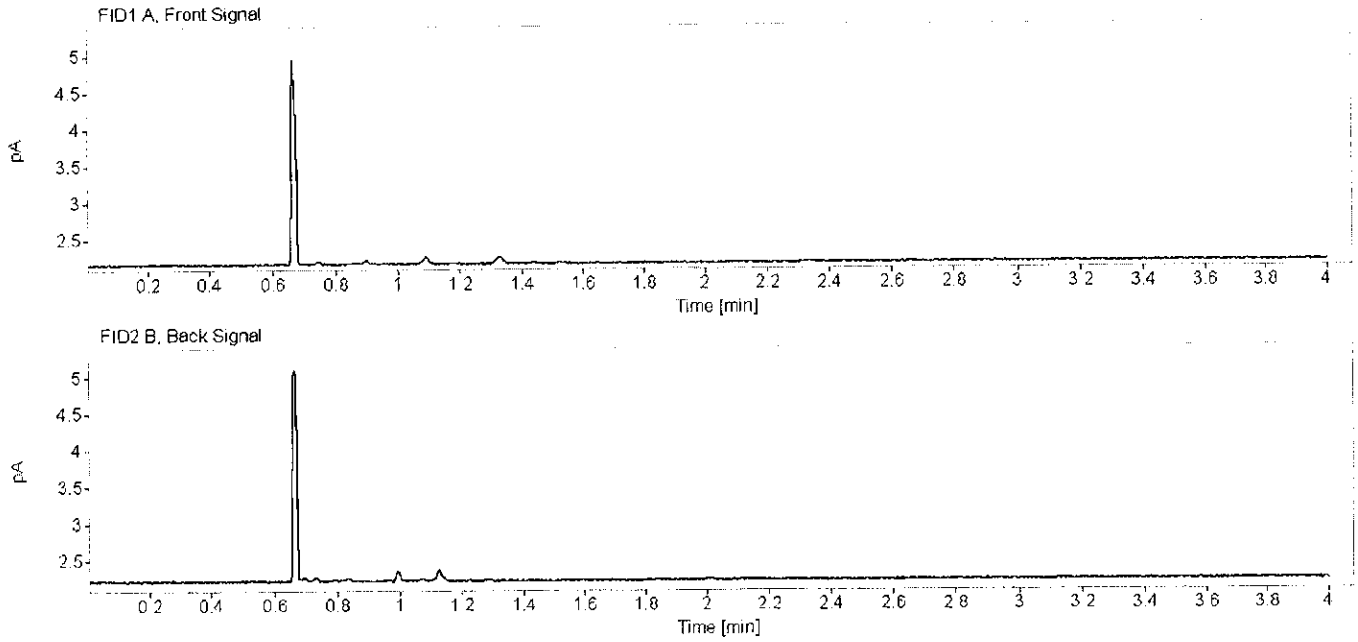


Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name: Air Control | Description: | Vial Number: 2

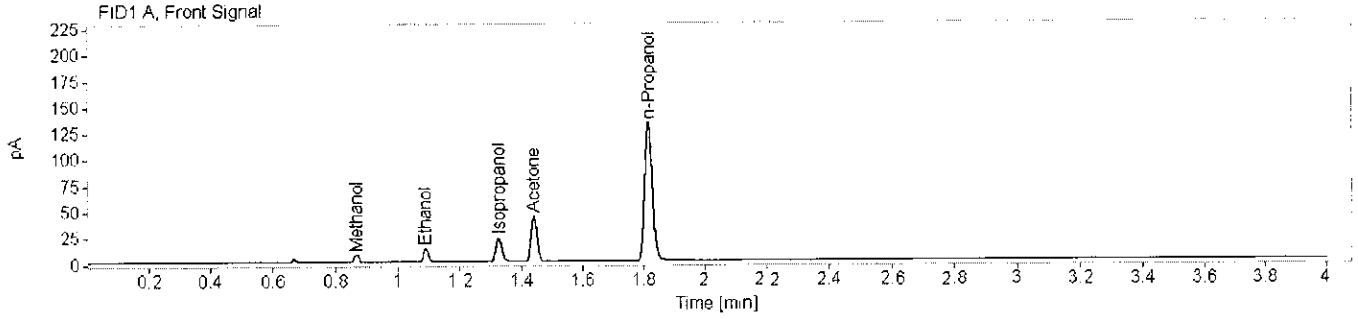
Instrument: Headspace 3 | Acq. method: VOLATILES.M | Injection date: 9/10/2018 9:02:33 AM

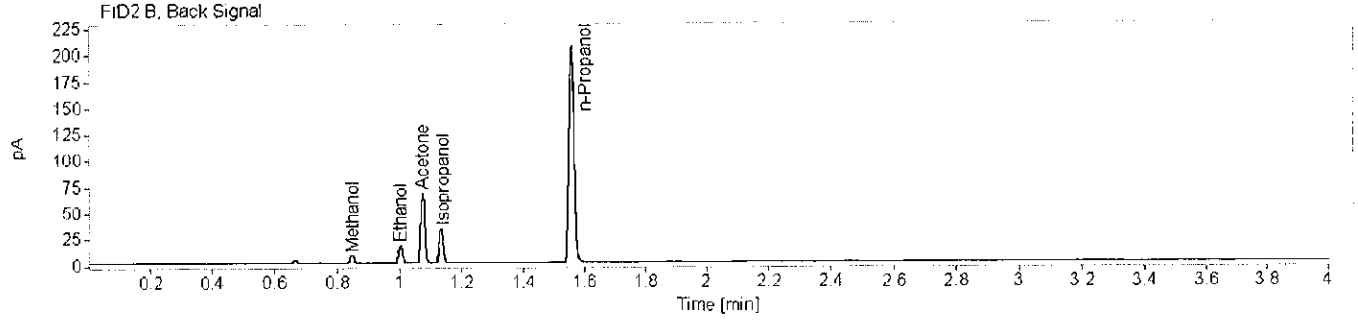
Data file: C:\Chem32\1\Data\ALC_20180910_TEST\ALC_20180910_TEST 2018-09-10 08-43-29\002F0201.D



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

Sample name: SS Description: Lot: FN03251502 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 9/10/2018 9:08:26 AM
Data file: C:\Chem32\1\Data\ALC_20180910_TEST\ALC_20180910_TEST 2018-09-10 08-43-29\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.98100		0.869	0.868	7.8254	0.0122
Ethanol	0.80352		1.090	1.088	15.1761	0.0118
Isopropanol	0.84197		1.325	1.324	30.0545	0.0106
Acetone	0.89958		1.440	1.439	59.2265	0.0110
n-Propanol	0.85204		1.815	1.816	231.4229	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.26807		0.849	0.854	7.9972	0.0118
Ethanol	0.90404	364.328050543528	1.004	1.011	15.9534	0.0119
Acetone	0.91212	724.540991399124	1.076	1.081	61.3537	0.0111
Isopropanol	0.88132	351.261988260492	1.134	1.144	31.3069	0.0106
n-Propanol	0.92753		1.560	1.574	238.6075	0.0100

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018-09\ALC_20180912_TEST.S
Operator : Ashley Ann Johnson, M.S.
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20180912_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:

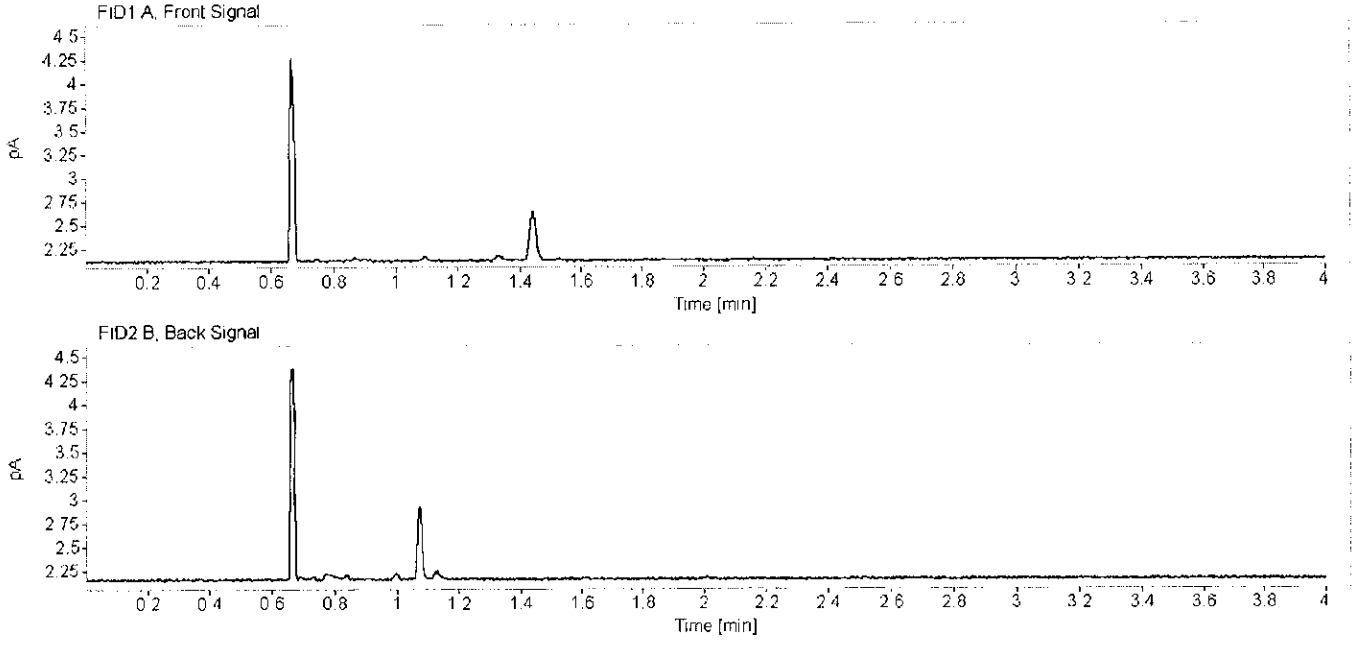
Line : 1F
Location : 1
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

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

Line : 3F
Location : 3
Sample Information : Lot: FN03251502
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:	9/12/2018 3:11:16 PM
Data file:	C:\Chem32\1\Data\ALC_20180912_TEST\ALC_20180912_TEST 2018-09-12 14-56-42\001F0101.D				



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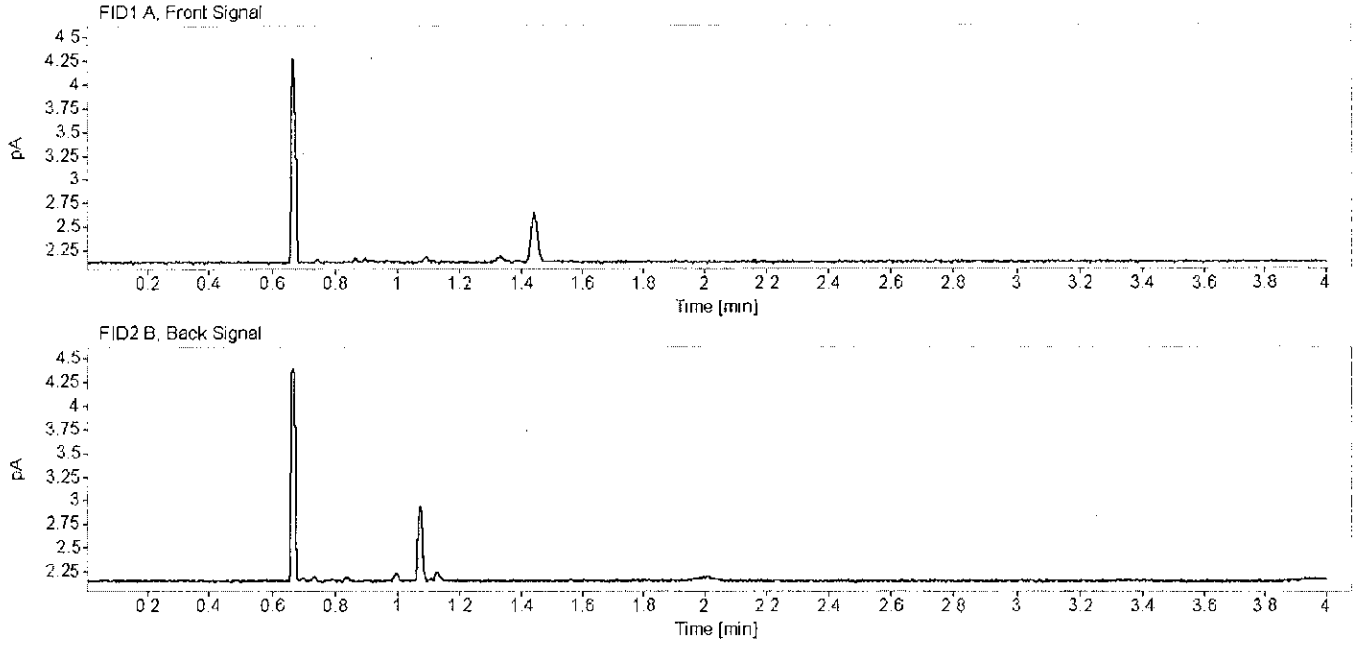
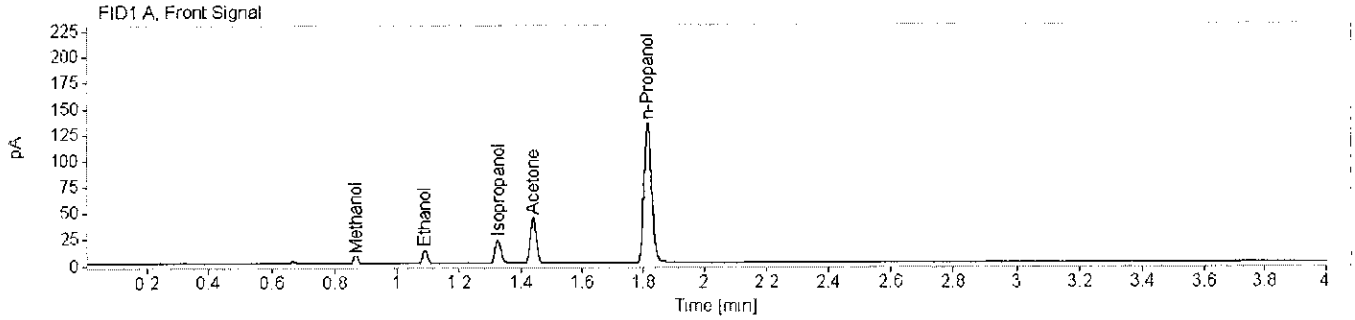
Toxicology - Volatile Analysis Chromatograms

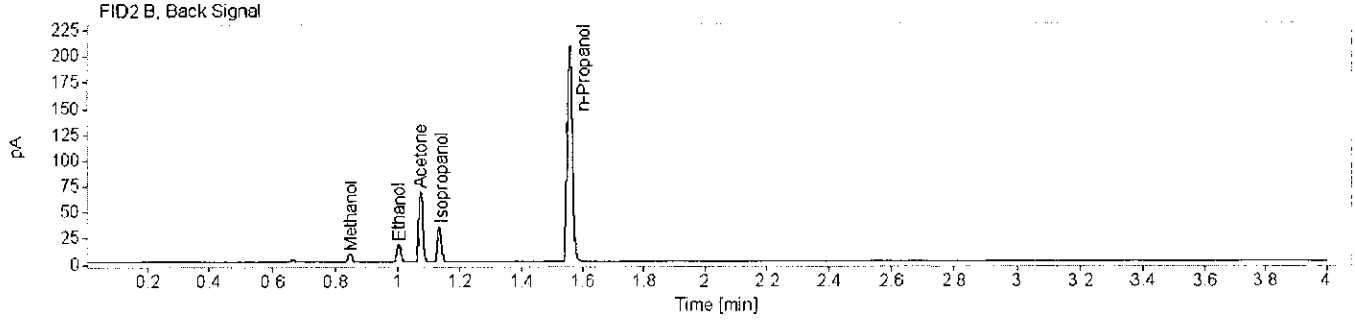
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	9/12/2018 3:15:47 PM
Data file:	C:\Chem32\1\Data\ALC_20180912_TEST\ALC_20180912_TEST 2018-09-12 14-56-42\002F0201.D				



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

Sample name: SS Description: Lot: FN03251502 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 9/12/2018 3:21:40 PM
Data file: C:\Chem32\1\Data\ALC_20180912_TEST\ALC_20180912_TEST 2018-09-12 14-56-42\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.96393		0.868	0.868	7.9910	0.0124
Ethanol	0.77019		1.090	1.088	15.3768	0.0120
Isopropanol	0.76877	215.361286348685	1.326	1.324	31.1307	0.0110
Acetone	0.89534	427.682803360965	1.440	1.439	59.5315	0.0111
n-Propanol	0.83107		1.816	1.816	232.0520	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.17455		0.849	0.854	8.1269	0.0120
Ethanol	0.88053	393.61728358704	1.005	1.011	16.2751	0.0120
Acetone	0.90759	611.478167717951	1.076	1.081	61.3347	0.0110
Isopropanol	0.86727	299.571584792843	1.135	1.144	31.8150	0.0108
n-Propanol	0.92092		1.560	1.574	239.5978	0.0100

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018-09\ALC_20180913_TEST.S
Operator	: Valerie L Coronado
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20180913_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:

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

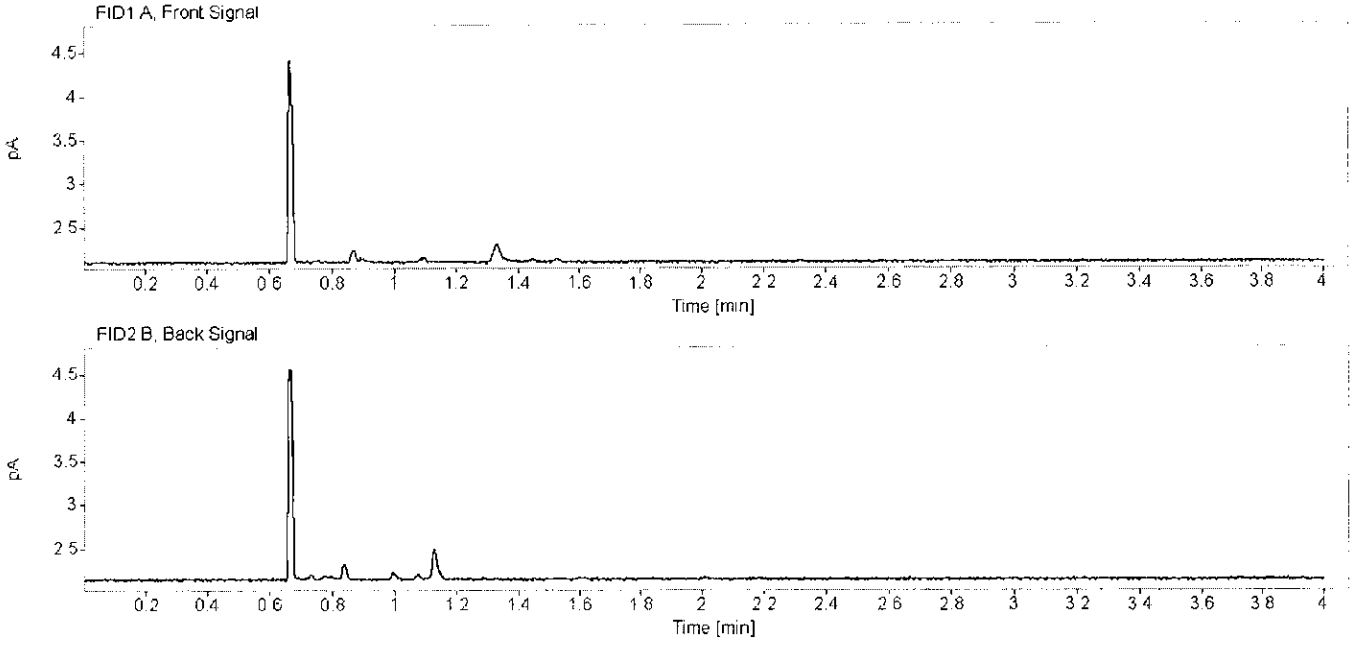
Line	: 2F
Location	: 2
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

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

VC

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

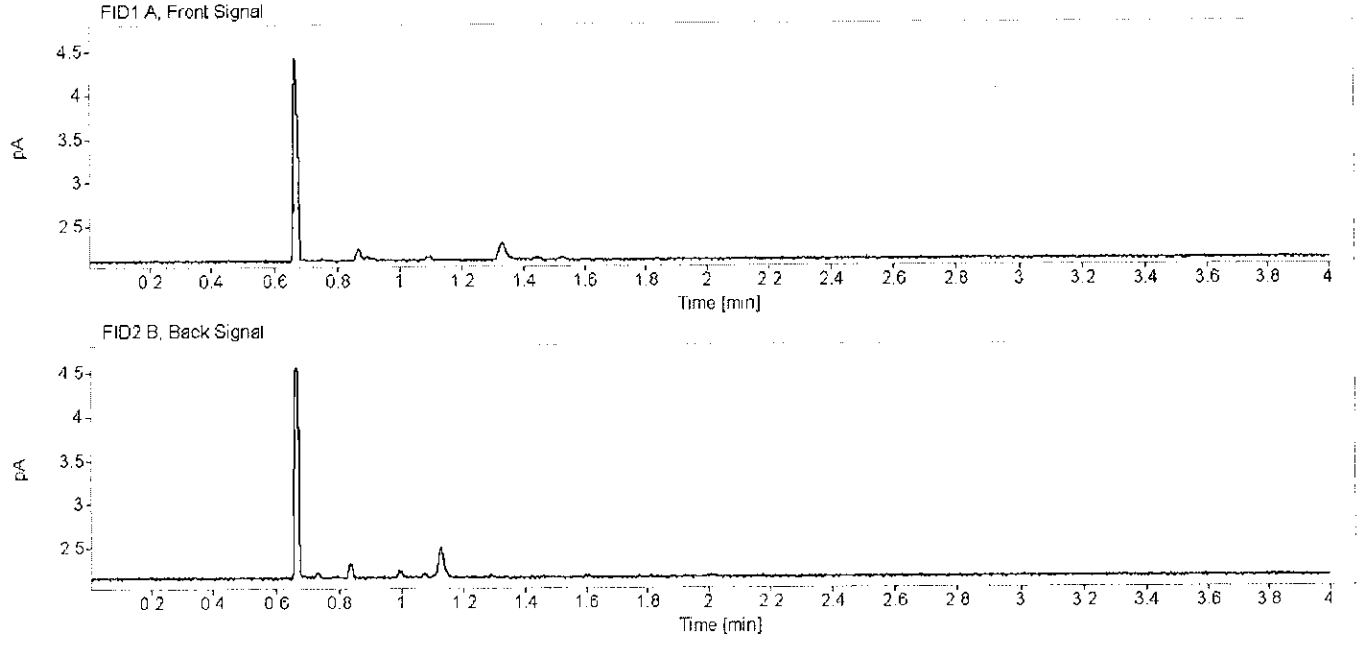
Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	9/13/2018 12:21:21 PM
Data file:	C:\Chem32\1\Data\ALC_20180913_TEST\ALC_20180913_TEST 2018-09-13 12-12-19\001F0101.D				



VC

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

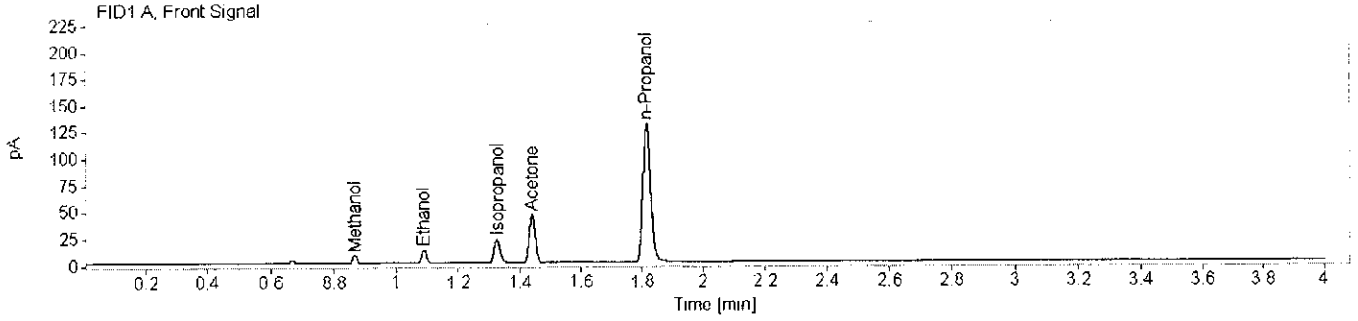
Sample name:	Air Control	Description:		Vial Number:	2
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	9/13/2018 12:25:51 PM
Data file:	C:\Chem32\1\Data\ALC_20180913_TEST\ALC_20180913_TEST 2018-09-13 12-12-19\002F0201.D				

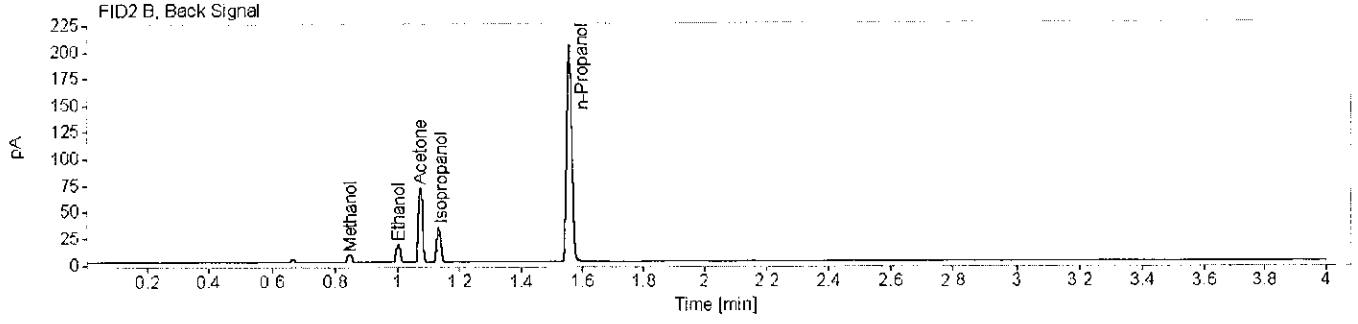


VC

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: 9/13/2018 12:31:44 PM
Data file: C:\Chem32\1\Data\ALC_20180913_TEST\ALC_20180913_TEST 2018-09-13 12-12-19\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.96092		0.869	0.868	7.9654	0.0126
Ethanol	0.75283		1.090	1.088	15.2077	0.0121
Isopropanol	0.80580		1.326	1.324	29.4288	0.0105
Acetone	0.89540		1.440	1.439	61.6545	0.0117
n-Propanol	0.81349		1.816	1.816	227.7243	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.24638		0.849	0.854	8.1126	0.0122
Ethanol	0.89257	369.947641014286	1.004	1.011	16.0845	0.0121
Acetone	0.90635	647.750238166766	1.075	1.081	63.9103	0.0117
Isopropanol	0.86174	301.452652144532	1.134	1.144	31.4235	0.0108
n-Propanol	0.91701		1.560	1.574	235.4491	0.0100

VC