Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 2

Date	N_2 Tank Pressure	H_2 Tank Pressure	Air Tank Pressure	He Tank Pressure	Air Control Pass/Fail	SS Pass/Fail	Comments	Signature
10/22/18	70 / 1900	70 / 1800	70 / 850	70 / 1750	Pass	Pass		VC
10/24/18	70 / 1800	70 / 1750	70 / 600	70 / 1650	Pass	Pass		VC
10/26/18	70 / 10/26/18 ~~500~~ 1700	70 / 1700	70 / 400	70 / 1600	PASS	PASS		BAM

Form Complete Date/Signature: Brooke Mendendall 10/29/2018

BAM 10/29/2018

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181022_TEST.S
Operator	: Valerie L Coronado
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20181022_TEST
Barcode Reader	: not used
Shutdown Cmd/Macro	: macro "shutdowncm.mac",go
Sequence Comment	: I.S. Lot: 181015-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

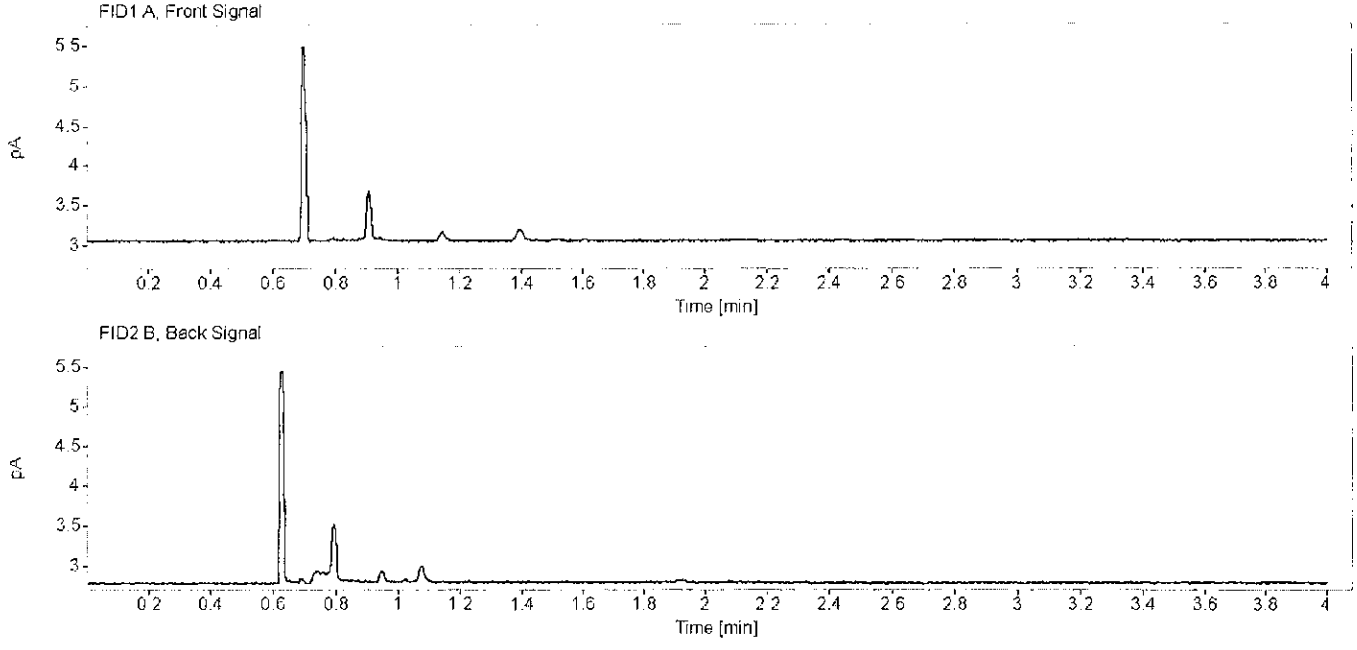
Line	: 2F
Location	: 2
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

Line	: 3F
Location	: 3
Sample Information	: Lot: FN06121803
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 2	Acq. method:	VOLATILES.M	Injection date:	10/22/2018 9:33:54 AM
Data file:	C:\Chem32\1\Data\ALC_20181022_TEST\ALC_20181022_TEST 2018-10-22 09-24-53\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 2	Acq. method:	VOLATILES.M	Injection date:	10/22/2018 9:38:25 AM
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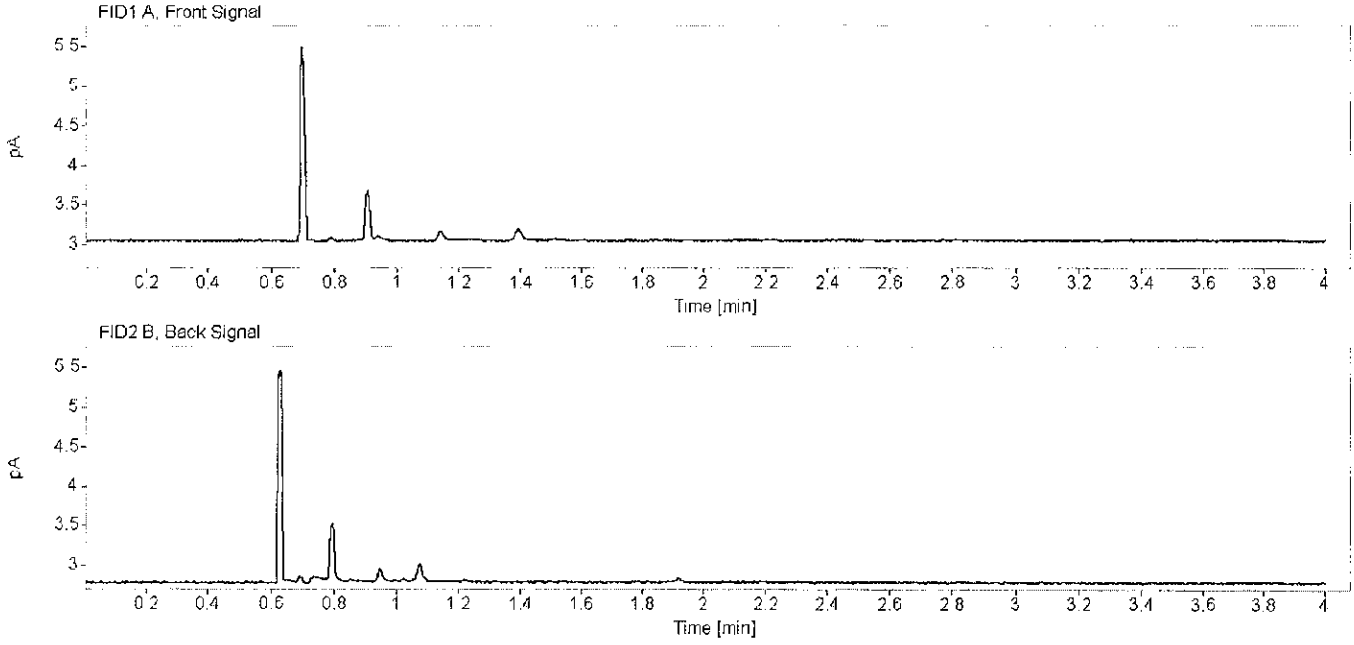
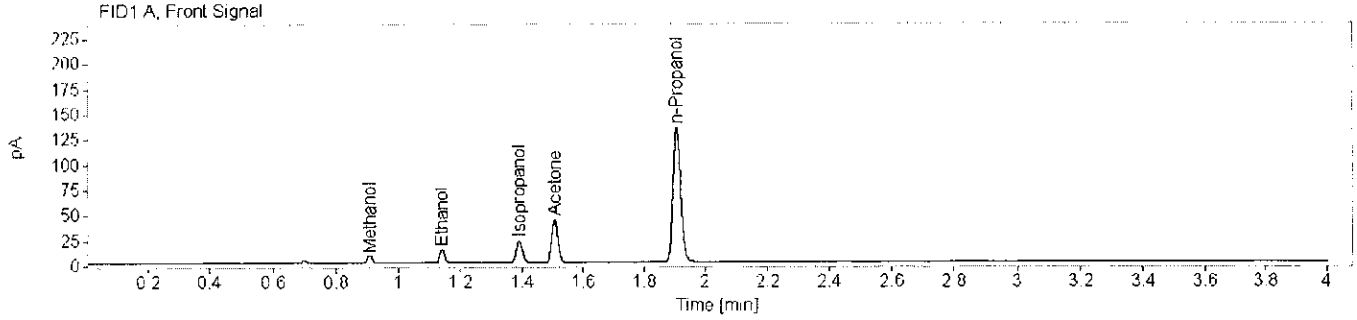
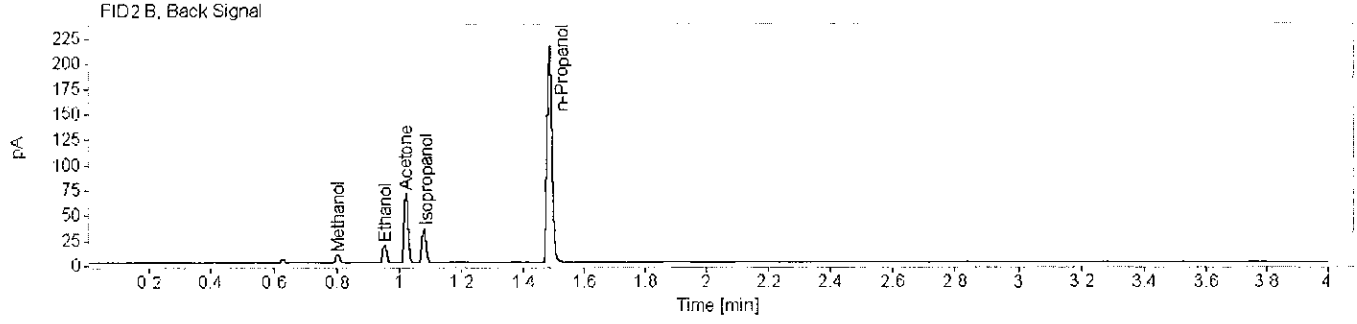


VC

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

Sample name: SS Description: Lot: FN06121803 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 10/22/2018 9:44:17 AM
Data file: C:\Chem32\1\Data\ALC_20181022_TEST\ALC_20181022_TEST 2018-10-22 09-24-53\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.01588		0.910	0.910	7.8425	0.0120
Ethanol	0.86014		1.143	1.144	15.6684	0.0120
Isopropanol	0.85992		1.391	1.392	29.8655	0.0103
Acetone	0.89363		1.508	1.509	60.1097	0.0110
n-Propanol	0.85790		1.907	1.911	235.5548	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.53626		0.805	0.806	8.2814	0.0120
Ethanol	0.89209		0.955	0.955	16.2944	0.0118
Acetone	0.88963		1.023	1.023	62.5282	0.0110
Isopropanol	0.84482		1.081	1.081	31.5661	0.0104
n-Propanol	0.86735		1.490	1.490	244.3016	0.0100

VC

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181024_TEST.S
Operator : Valerie L Coronado
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20181024_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 181015-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

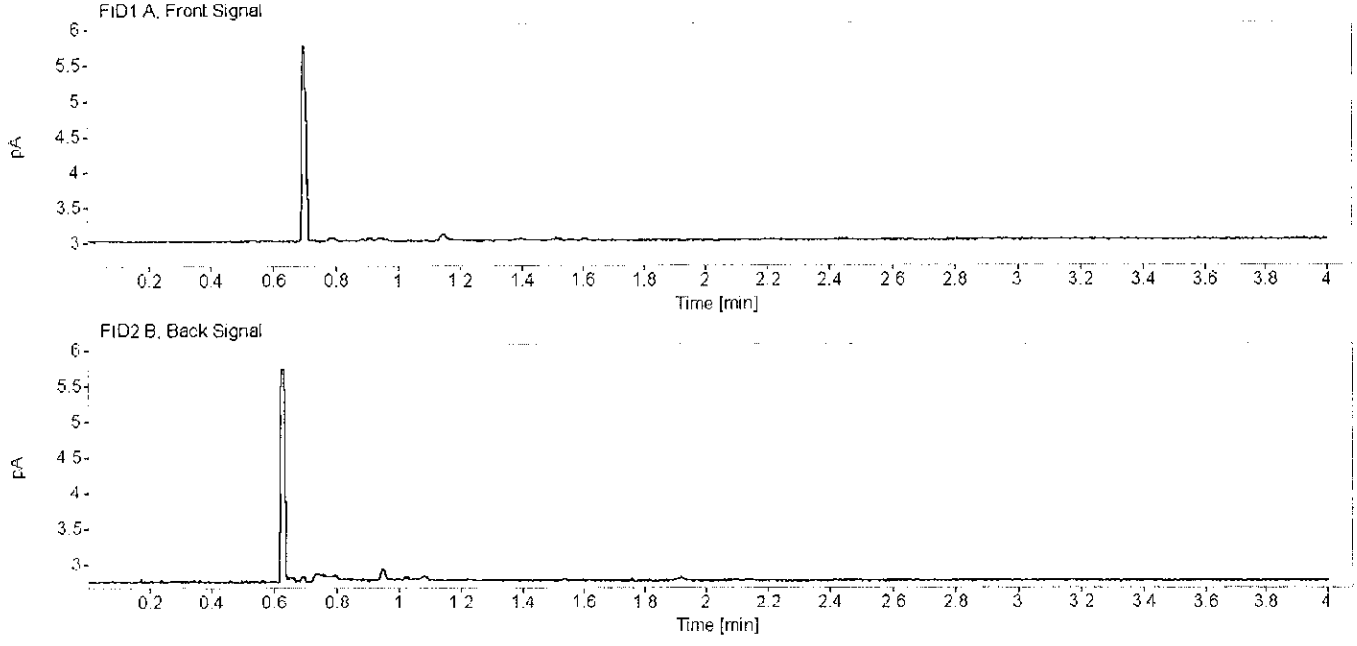
Line : 2F
Location : 2
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

Line : 3F
Location : 3
Sample Information : Lot: FN06121803
Sample Name : SS
Method Name : VOLATILES
Sample Type : Sample

VC

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

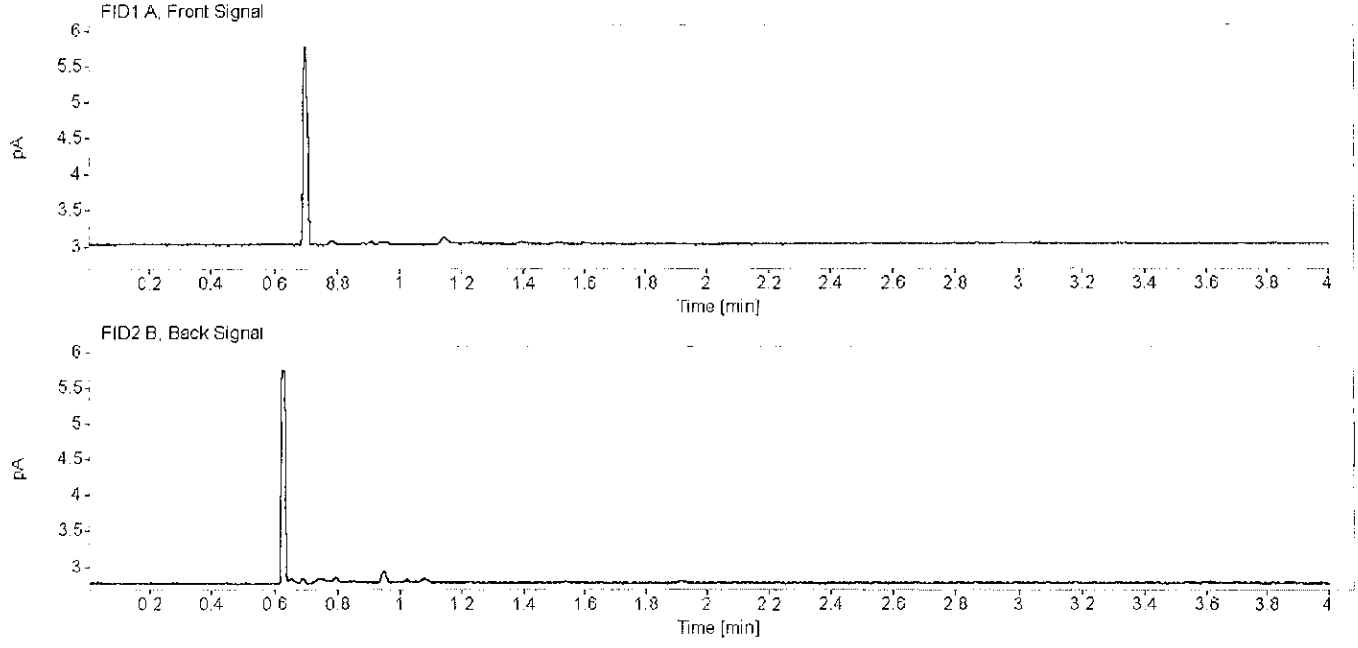
Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/24/2018 8:26:05 AM
Data file:	C:\Chem32\1\Data\ALC_20181024_TEST\ALC_20181024_TEST 2018-10-24 08-17-04\001F0101.D				



JC

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

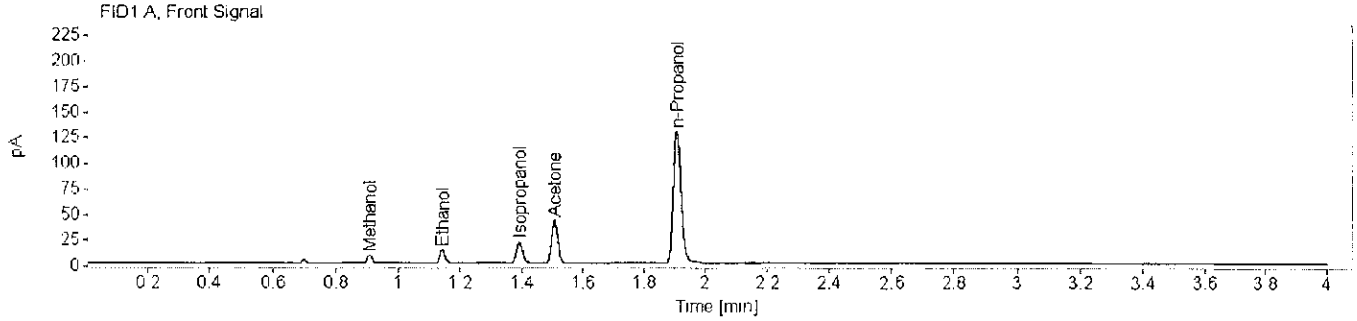
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/24/2018 8:30:36 AM
Data file:	C:\Chem32\1\Data\ALC_20181024_TEST\ALC_20181024_TEST 2018-10-24 08-17-04\002F0201.D				

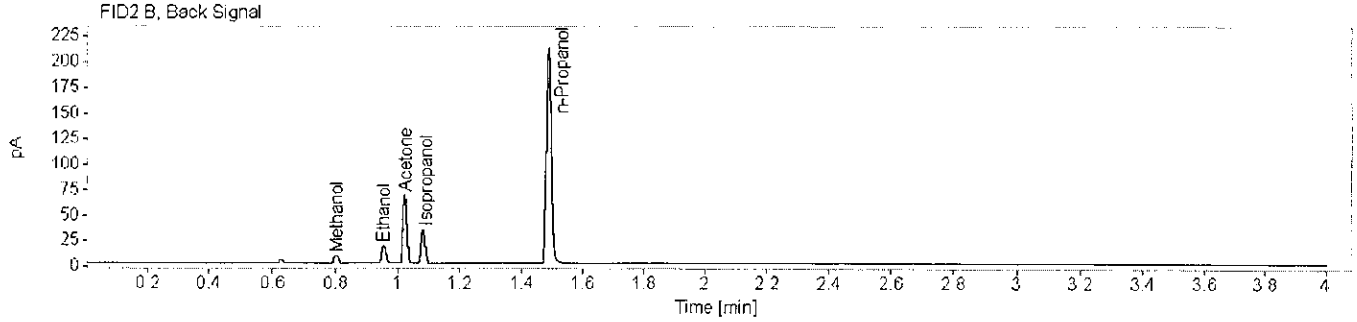


VC

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

Sample name: SS Description: Lot: FN06121803 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 10/24/2018 8:36:28 AM
Data file: C:\Chem32\1\Data\ALC_20181024_TEST\ALC_20181024_TEST 2018-10-24 08-17-04\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.82370		0.910	0.910	8.0662	0.0127
Ethanol	0.80692		1.144	1.144	15.5329	0.0123
Isopropanol	0.81499		1.392	1.392	28.4100	0.0101
Acetone	0.88152		1.509	1.509	57.8506	0.0109
n-Propanol	0.79277		1.908	1.911	228.6892	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.18852		0.805	0.806	8.3370	0.0123
Ethanol	0.90434		0.957	0.955	16.3137	0.0121
Acetone	0.89149		1.024	1.023	60.2046	0.0108
Isopropanol	0.84628		1.082	1.081	30.7583	0.0103
n-Propanol	0.85729		1.491	1.490	239.9410	0.0100

VC

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181026_TEST.S
Operator : Dana R. Mike
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20181026_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 181015-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

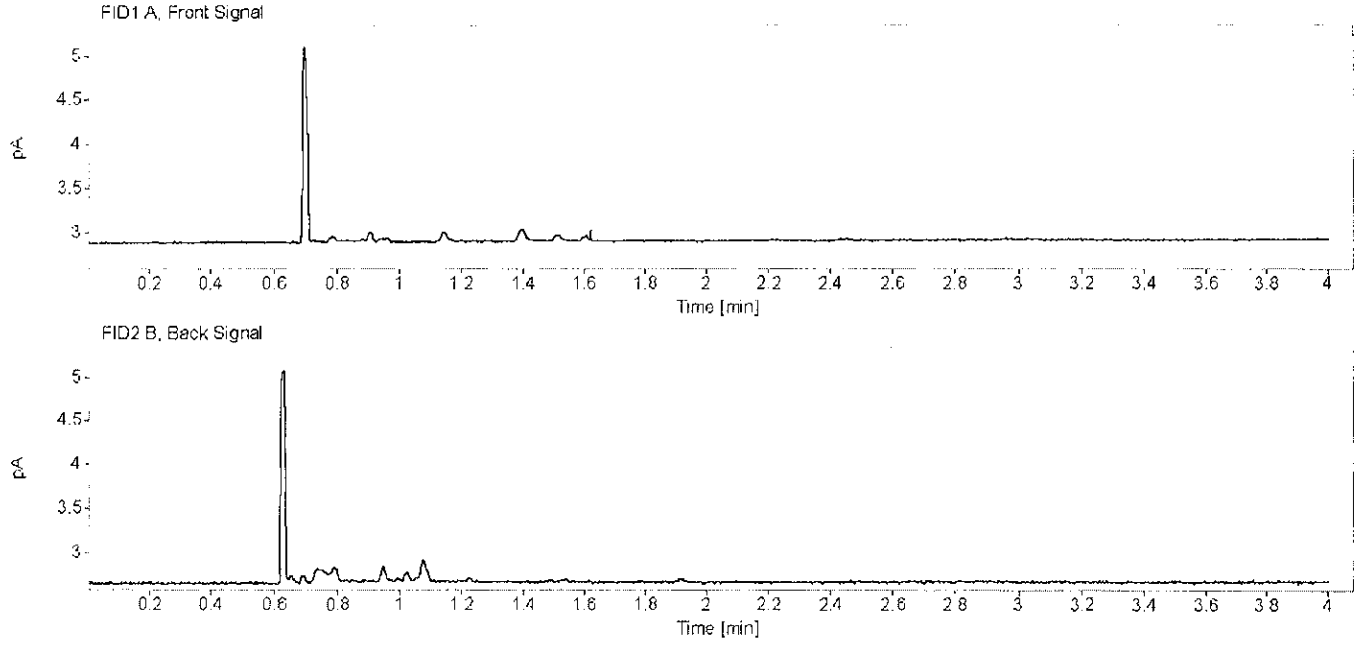
Line : 2F
Location : 2
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

Line : 3F
Location : 3
Sample Information : Lot: FN06121803
Sample Name : SS
Method Name : VOLATILES
Sample Type : Sample

PM

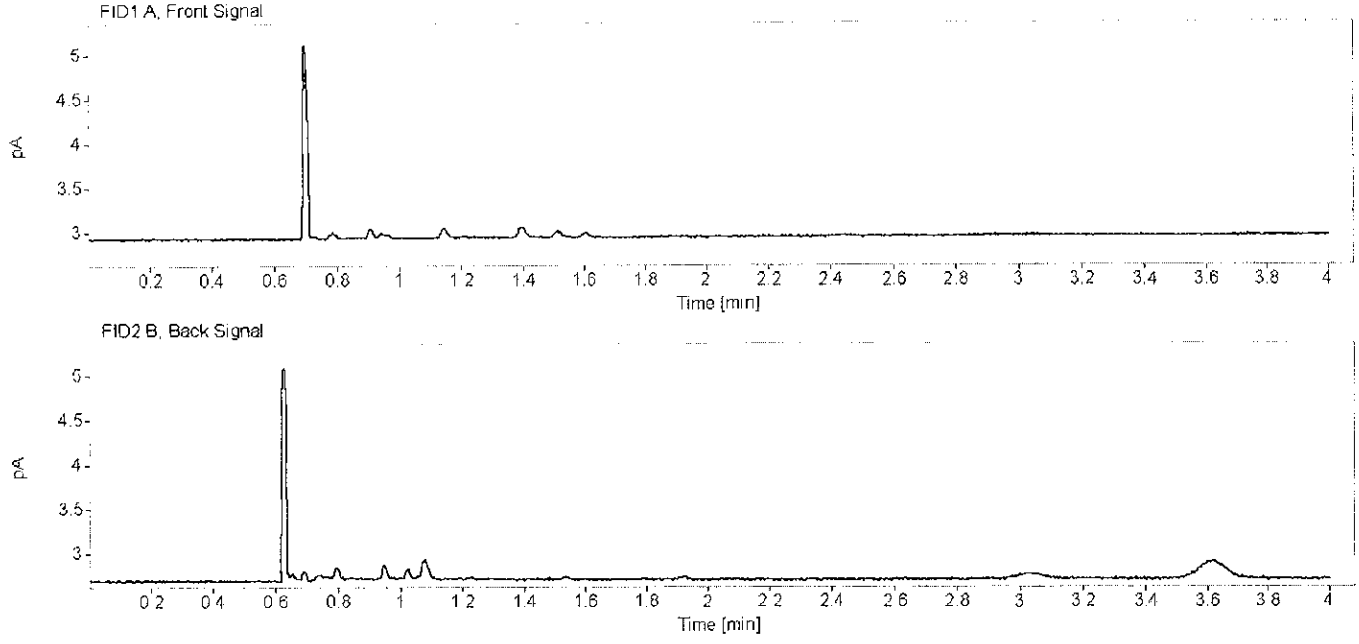
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/26/2018 1:36:49 PM
Data file:	C:\Chem32\1\Data\ALC_20181026_TEST\ALC_20181026_TEST 2018-10-26 13-27-47\001F0101.D				



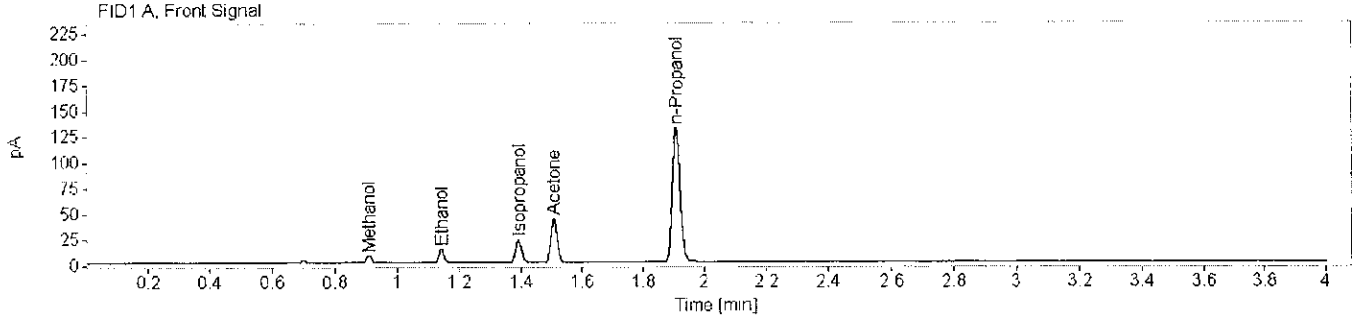
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

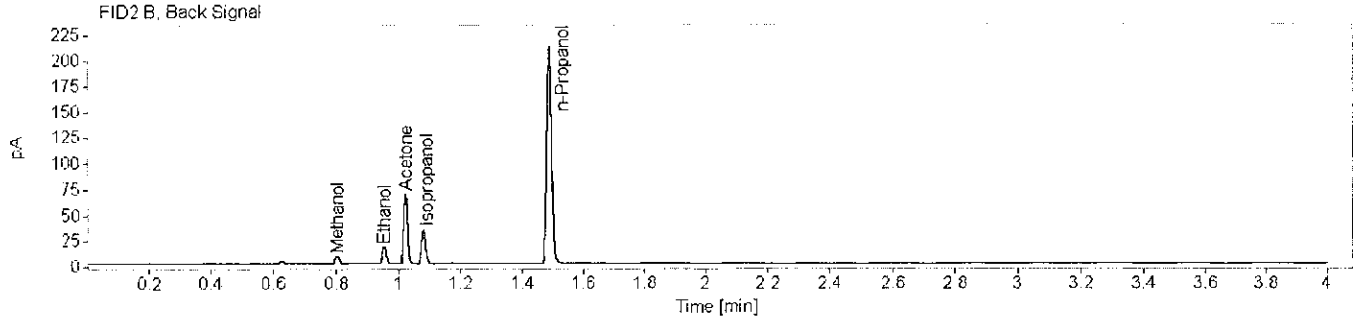
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/26/2018 1:41:19 PM
Data file:	C:\Chem32\1\Data\ALC_20181026_TEST\ALC_20181026_TEST 2018-10-26 13-27-47\002F0201.D				



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

Sample name: SS Description: Lot: FN06121803 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 10/26/2018 1:47:12 PM
Data file: C:\Chem32\1\Data\ALC_20181026_TEST\ALC_20181026_TEST 2018-10-26 13-27-47\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.00707		0.910	0.910	7.5573	0.0118
Ethanol	0.84506		1.143	1.144	15.2465	0.0120
Isopropanol	0.81115	459.485778020155	1.391	1.392	29.7203	0.0105
Acetone	0.89332	941.66376701258	1.509	1.509	59.3722	0.0111
n-Propanol	0.83624		1.907	1.911	230.1408	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.42577		0.805	0.806	7.9762	0.0118
Ethanol	0.88473		0.955	0.955	15.8844	0.0118
Acetone	0.88847	1288.97407877662	1.024	1.023	61.6352	0.0111
Isopropanol	0.84150	624.486828419374	1.081	1.081	31.1747	0.0105
n-Propanol	0.87077		1.490	1.490	239.6526	0.0100