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
08/13/18	~~70~~ 2200	~~70~~ 400	~~70~~ 1300	~~70~~ 900	Pass	Pass		[illegible]
8/14/18	~~70~~ 2100	~~70~~ 2450	~~70~~ 1200	~~70~~ 900	Pass	Pass	Hydrogen tank replaced	VC
08/15/18	~~70~~ 2000	~~70~~ 2400	~~70~~ 1000	~~70~~ 900	Pass	Pass		[illegible]
8/16/18	~~70~~ ~~2000~~	~~70~~ 2400	~~70~~ 800	~~70~~ 800	~~Pass~~	~~Pass~~		[illegible]
8/17/18	~~70~~ 1950	~~70~~ 2400	~~70~~ 700	~~70~~ 800	Pass	Pass		VC

Form Complete Date/Signature: Brooke Mendenhall 8/20/18

Sequence: C:\CHEM32\1\SEQUENCE\2018-08\ALC_20180813_TEST.S

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018-08\ALC_20180813_TEST.S
Operator : Corissa L. Rodgers, M.S.
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20180813_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 180801-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: FN10261505
Sample Name : SS
Method Name : VOLATILES
Sample Type : Sample

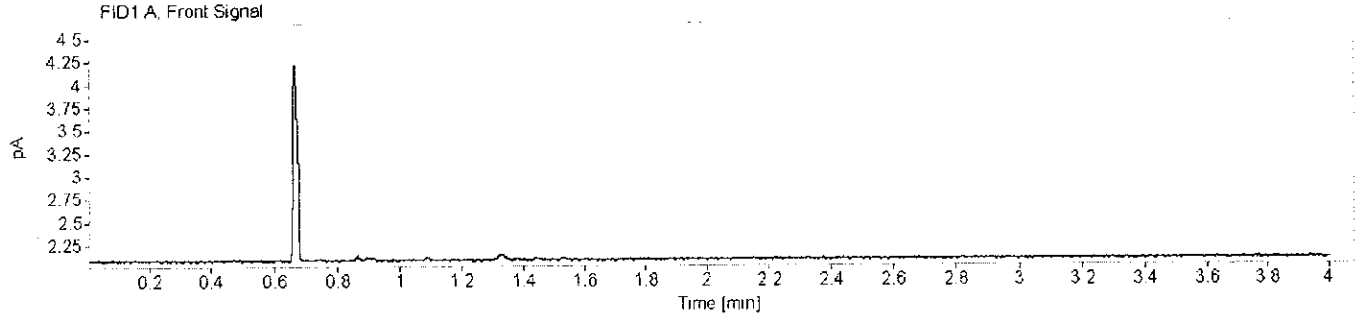
==========

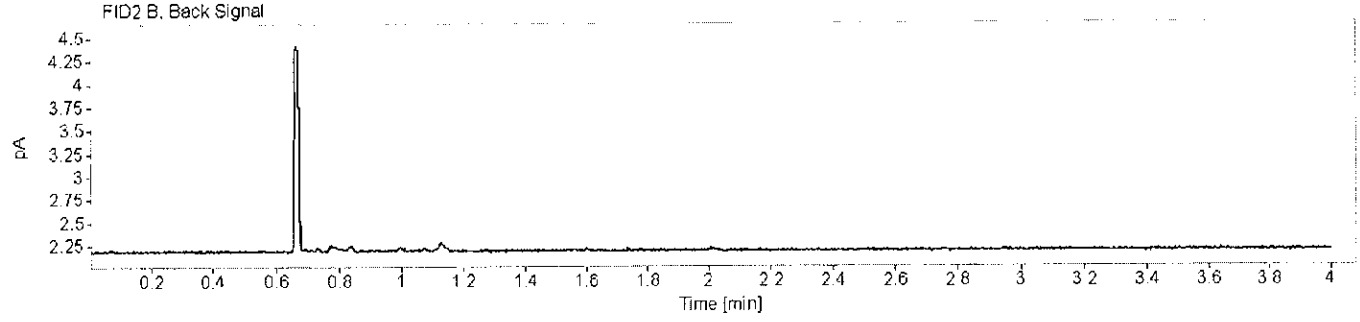
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name: Air Control | Description: | Vial Number: 1

Instrument: Headspace 3 | Acq. method: VOLATILES.M | Injection date: 8/13/2018 10:03:37 AM

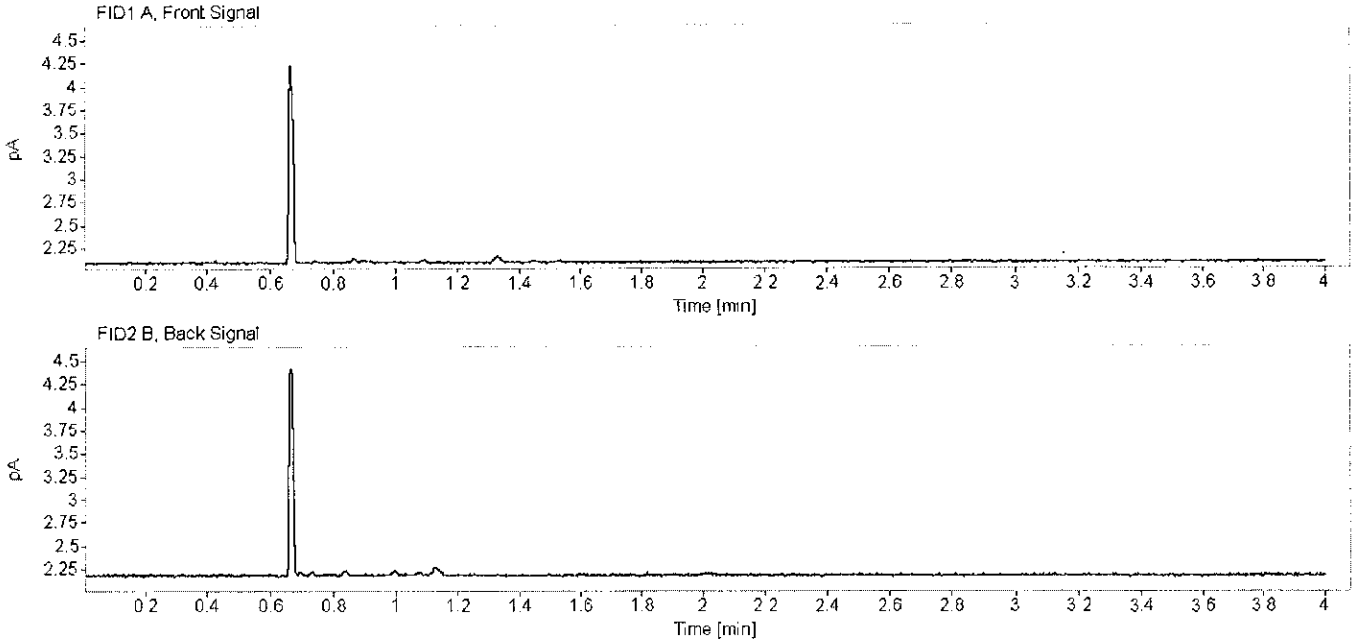
Data file: C:\Chem32\1\Data\ALC_20180813_TEST\ALC_20180813_TEST 2018-08-13 09-48-43\001F0101.D





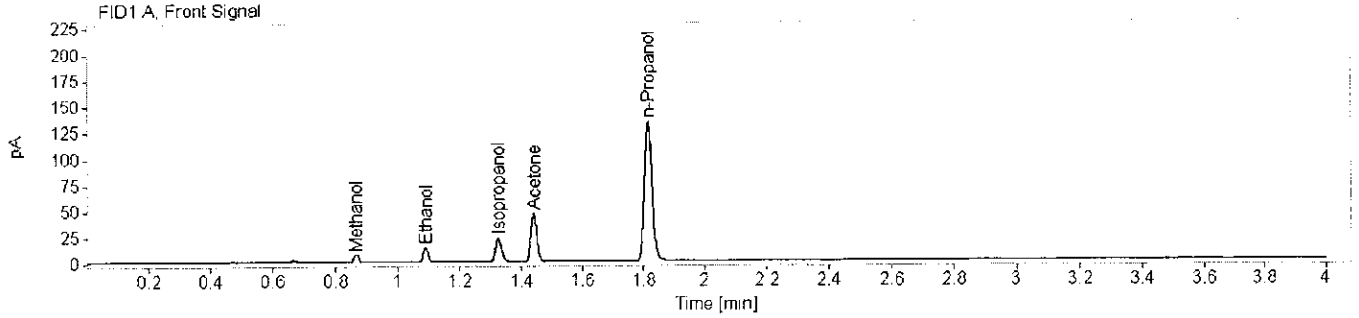
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

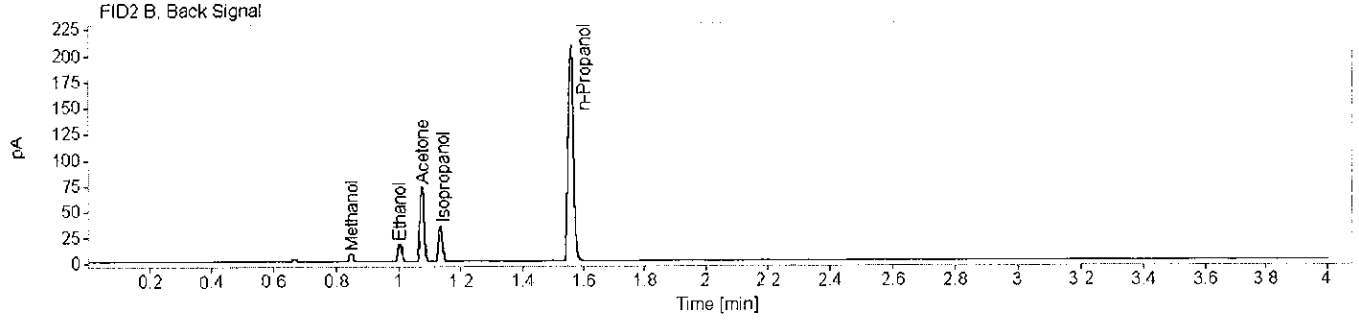
Sample name:	Air Control	**Description:**		**Vial Number:**	2
Instrument:	Headspace 3	**Acq. method:**	VOLATILES.M	**Injection date:**	8/13/2018 10:08:08 AM
Data file:	C:\Chem32\1\Data\ALC_20180813_TEST\ALC_20180813_TEST 2018-08-13 09-48-43\002F0201.D				



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

Sample name: SS Description: Lot: FN10261505 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/13/2018 10:14:01 AM
Data file: C:\Chem32\1\Data\ALC_20180813_TEST\ALC_20180813_TEST 2018-08-13 09-48-43\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.03812		0.869	0.868	7.9451	0.0123
Ethanol	0.81757		1.090	1.088	15.7079	0.0122
Isopropanol	0.85091		1.325	1.324	30.6607	0.0108
Acetone	0.89870		1.440	1.439	62.9459	0.0118
n-Propanol	0.84648		1.816	1.816	231.9549	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.24144		0.849	0.854	8.1237	0.0120
Ethanol	0.86530	348.960359337604	1.004	1.011	16.7129	0.0124
Acetone	0.90397	722.262859877327	1.076	1.081	65.1935	0.0118
Isopropanol	0.86715	337.347724078833	1.135	1.144	32.1640	0.0109
n-Propanol	0.92132		1.560	1.574	238.9334	0.0100

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018-08\ALC_20180814_TEST.S
Operator : Valerie L Coronado
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20180814_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 180801-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

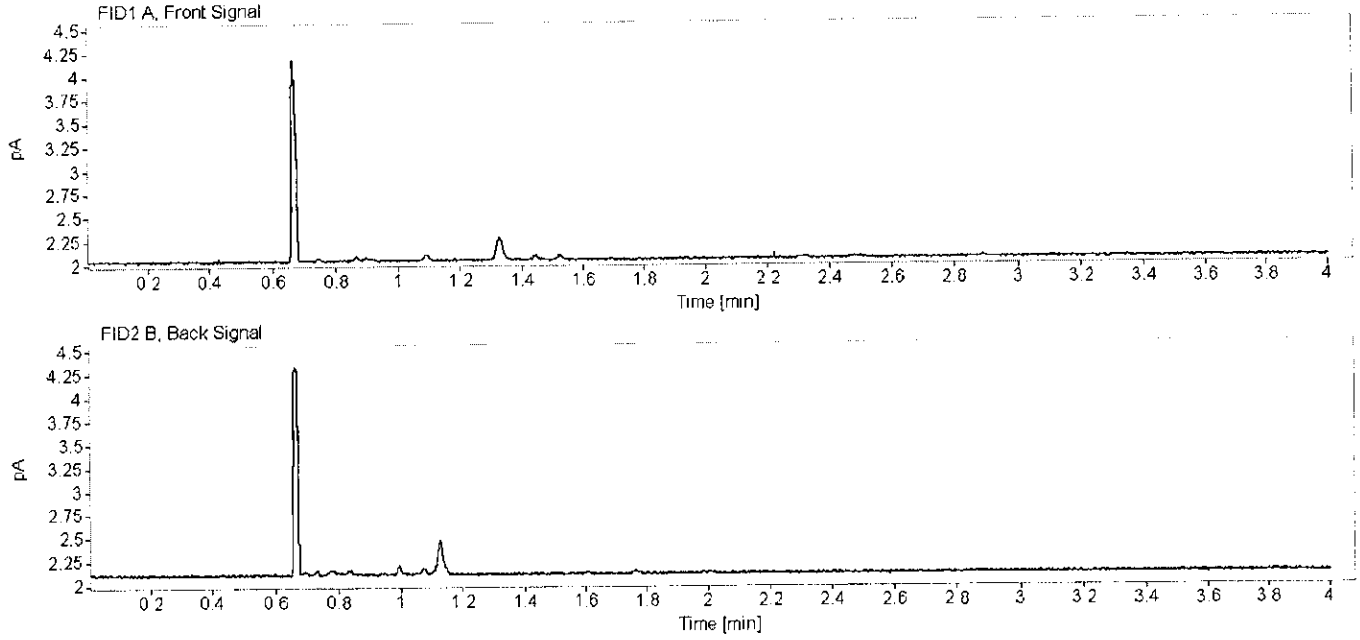
Line : 2F
Location : 2
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

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

JC

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

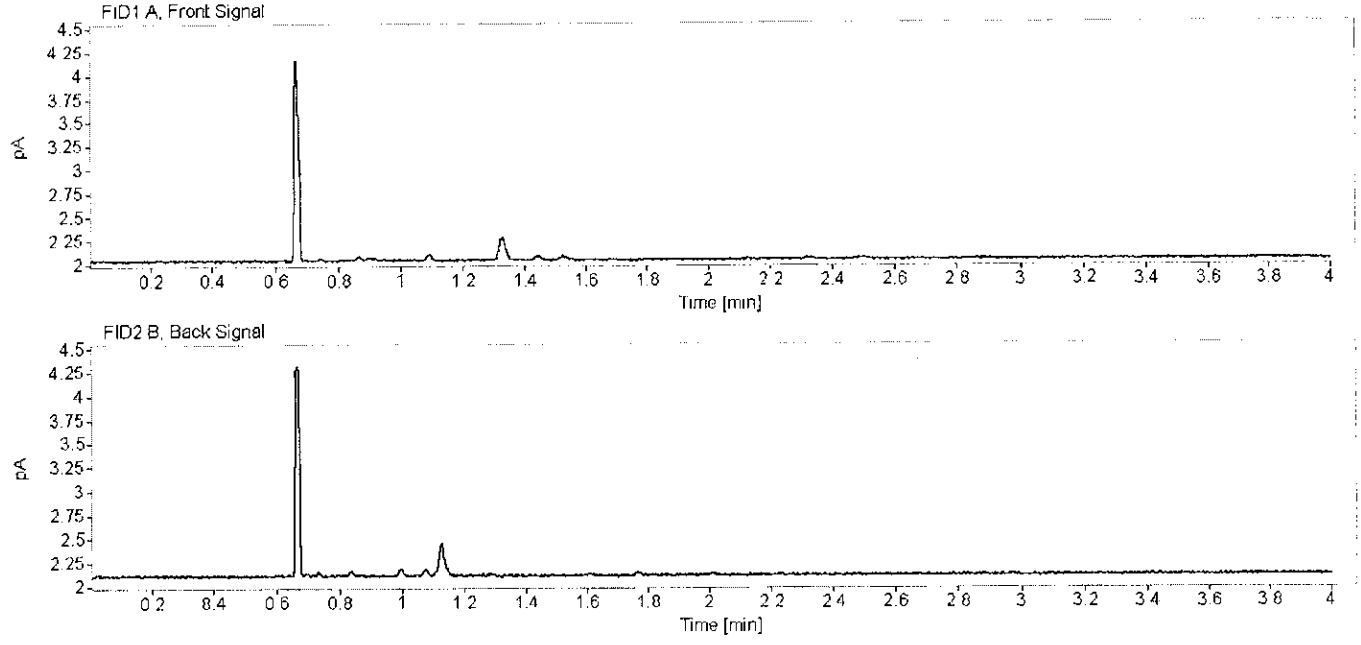
Sample name:	Air Control	**Description:**		**Vial Number:**	1
Instrument:	Headspace 3	**Acq. method:**	VOLATILES.M	**Injection date:**	8/14/2018 10:09:28 AM
Data file:	C:\Chem32\1\Data\ALC_20180814_TEST\ALC_20180814_TEST 2018-08-14 09-54-39\001F0101.D				



VC

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

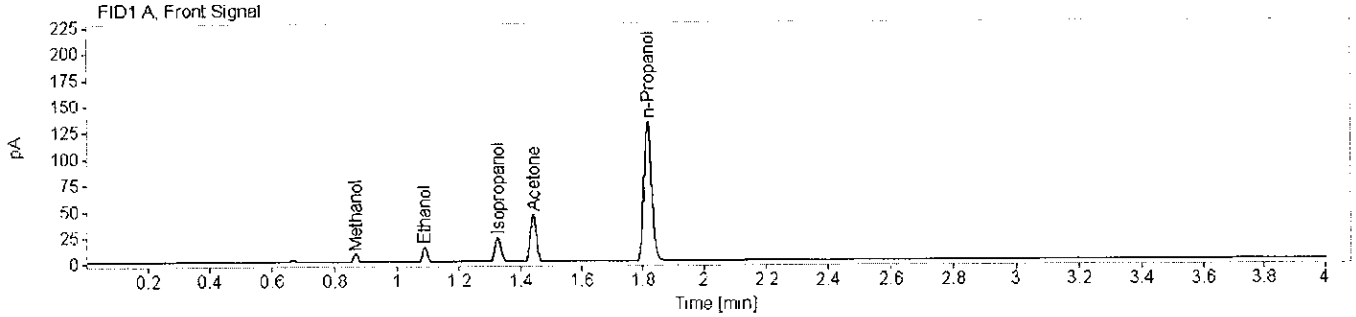
Sample name:	Air Control	Description:		Vial Number:	2
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	8/14/2018 10:13:58 AM
Data file:	C:\Chem32\1\Data\ALC_20180814_TEST\ALC_20180814_TEST 2018-08-14 09-54-39\002F0201.D				

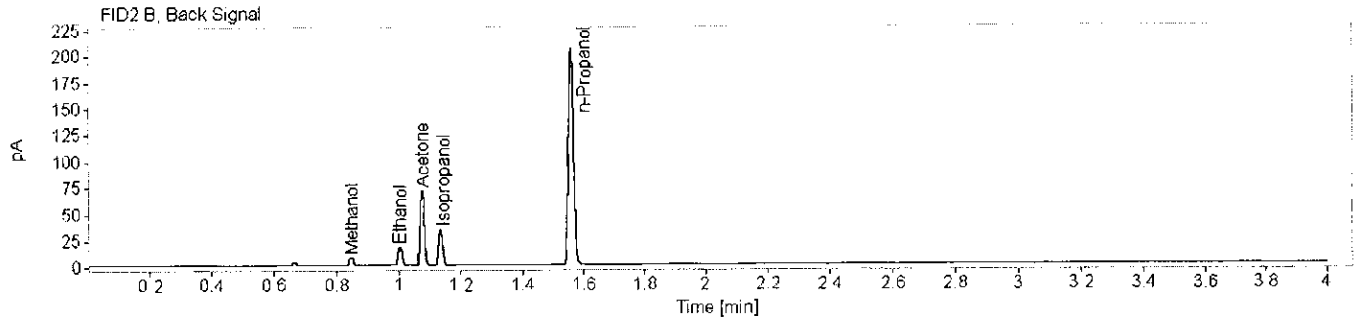


VC

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: 8/14/2018 10:19:51 AM
Data file: C:\Chem32\1\Data\ALC_20180814_TEST\ALC_20180814_TEST 2018-08-14 09-54-39\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.01841		0.868	0.868	7.9604	0.0124
Ethanol	0.84753		1.090	1.088	15.5511	0.0122
Isopropanol	0.85776		1.325	1.324	30.5954	0.0108
Acetone	0.90301		1.440	1.439	61.5808	0.0116
n-Propanol	0.85776		1.816	1.816	230.2922	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.21081		0.849	0.854	8.1533	0.0122
Ethanol	0.91620		1.004	1.011	16.2489	0.0122
Acetone	0.90450	757.32313923385	1.076	1.081	63.6303	0.0116
Isopropanol	0.88688	359.922543315534	1.135	1.144	31.7289	0.0109
n-Propanol	0.92511		1.560	1.574	236.8602	0.0100

VC

Sequence: C:\CHEM32\1\SEQUENCE\2018-08\ALC_20180815_TEST.S

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018-08\ALC_20180815_TEST.S
Operator	: Corissa L. Rodgers, M.S.
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20180815_TEST
Barcode Reader	: not used
Shutdown Cmd/Macro	: macro "shutdowncm.mac",go
Sequence Comment	: I.S. Lot: 180801-IS Pipette: Hamilton 1742

Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

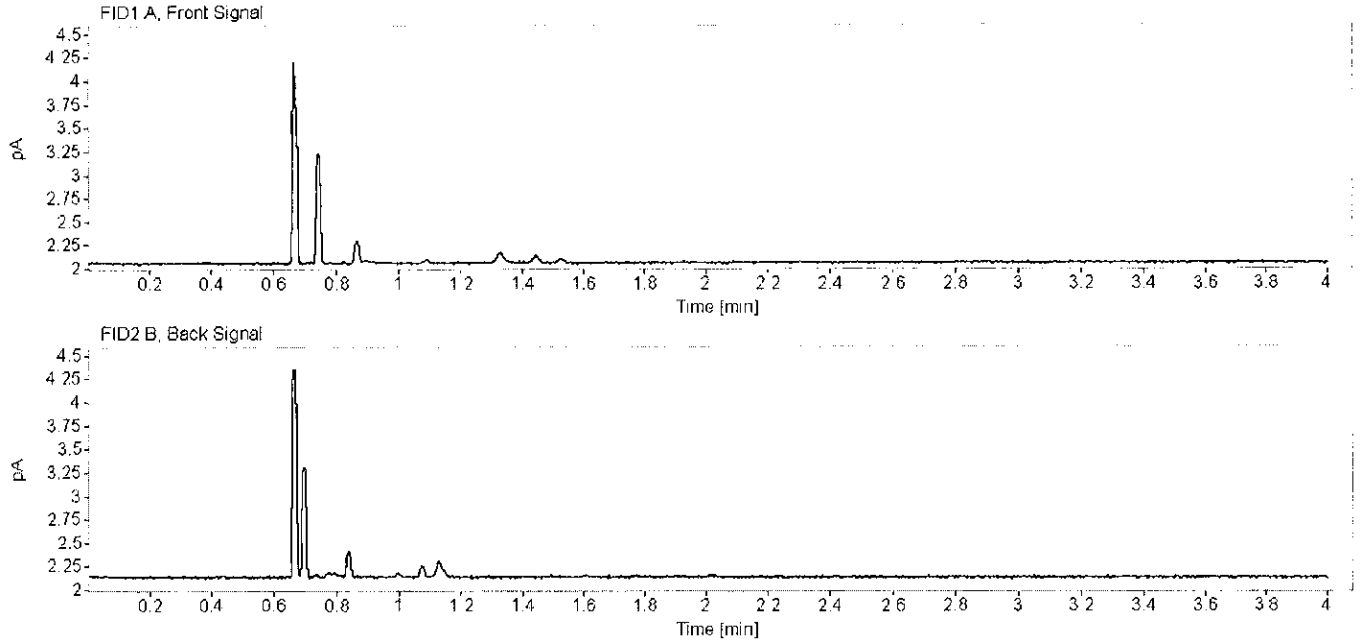
Line	: 1F
Location	: 1
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

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

Line	: 3F
Location	: 3
Sample Information	: Lot: FN10261505
Sample Name	: SS
Method Name	: VOLATILES
Sample Type	: Sample

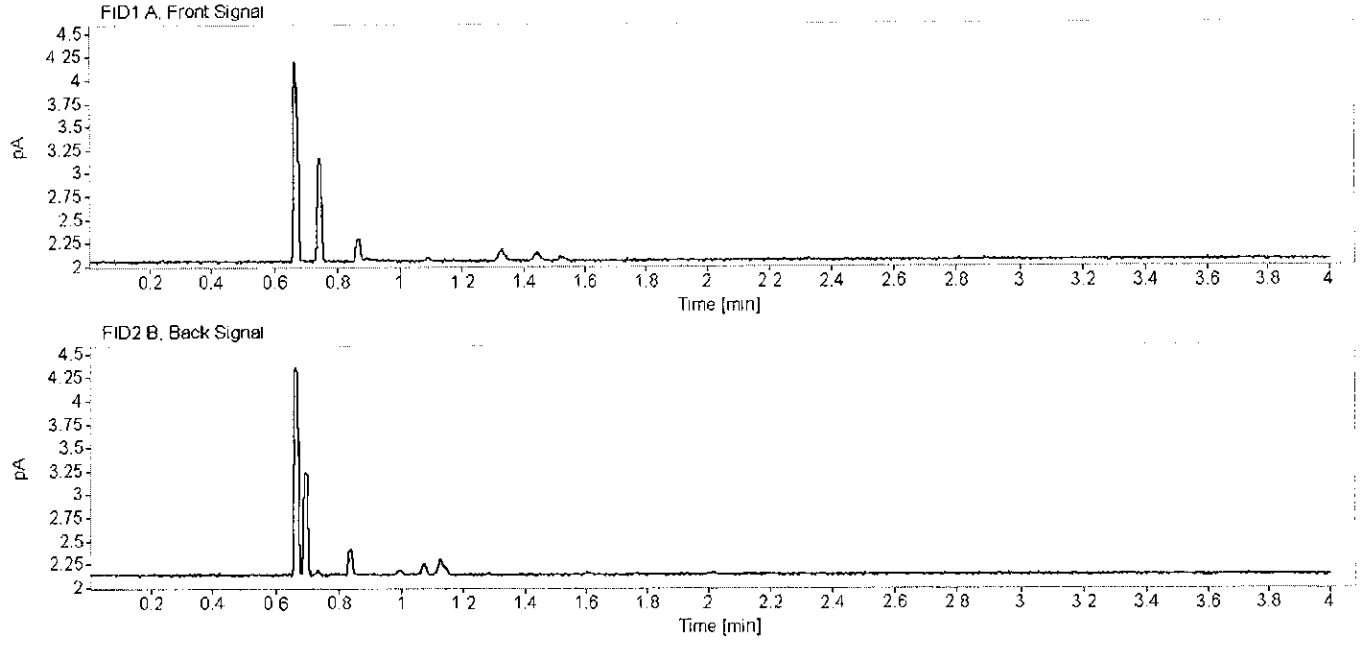
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control	**Description:**		**Vial Number:**	1
Instrument:	Headspace 3	**Acq. method:**	VOLATILES.M	**Injection date:**	8/15/2018 10:50:48 AM
Data file:	C:\Chem32\1\Data\ALC_20180815_TEST\ALC_20180815_TEST 2018-08-15 10-41-27\001F0101.D				



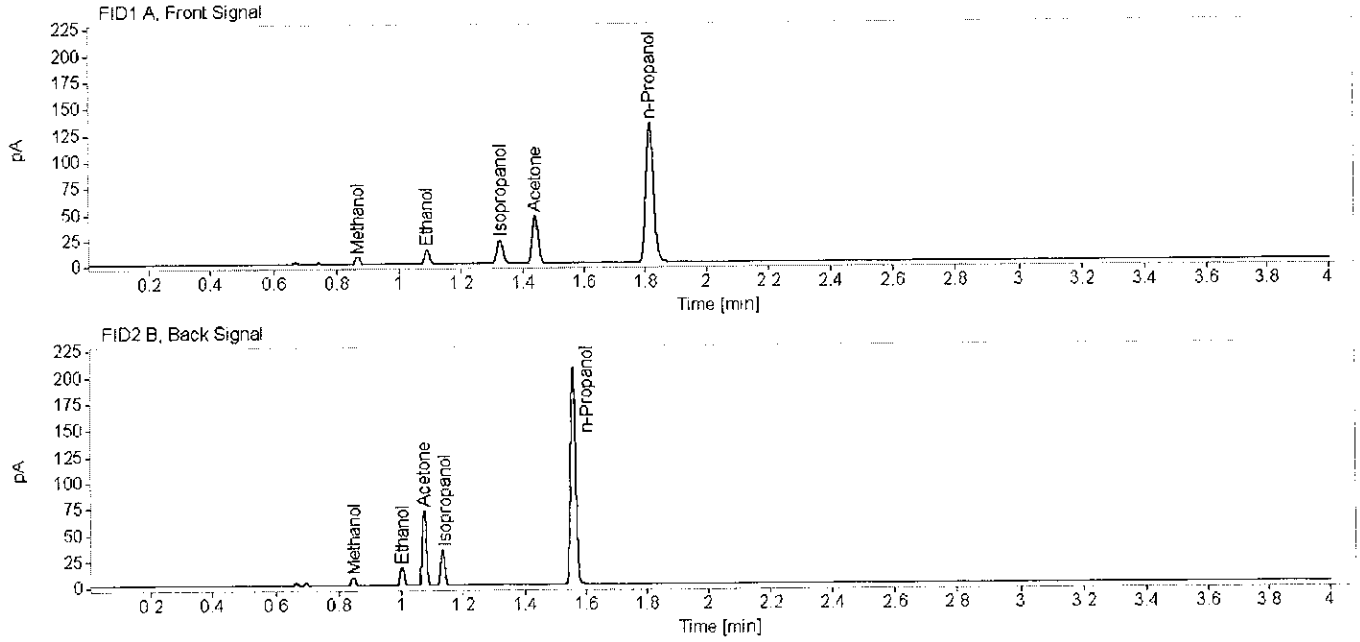
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control	**Description:**		**Vial Number:**	2
Instrument:	Headspace 3	**Acq. method:**	VOLATILES.M	**Injection date:**	8/15/2018 10:55:18 AM
Data file:	C:\Chem32\1\Data\ALC_20180815_TEST\ALC_20180815_TEST 2018-08-15 10-41-27\002F0201.D				



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

Sample name: SS Description: Lot: FN10261505 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/15/2018 11:01:10 AM
Data file: C:\Chem32\1\Data\ALC_20180815_TEST\ALC_20180815_TEST 2018-08-15 10-41-27\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.99584		0.868	0.868	7.8959	0.0123
Ethanol	0.80959		1.090	1.088	15.5999	0.0122
Isopropanol	0.84123		1.325	1.324	30.6205	0.0108
Acetone	0.89832		1.440	1.439	62.4084	0.0117
n-Propanol	0.84182		1.816	1.816	230.6923	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.32172		0.849	0.854	8.0448	0.0120
Ethanol	0.87738	365.0070332385	1.004	1.011	16.4944	0.0123
Acetone	0.90232	634.960546067864	1.076	1.081	64.6318	0.0118
Isopropanol	0.86729	297.272646780857	1.135	1.144	31.9679	0.0109
n-Propanol	0.91815		1.560	1.574	237.1737	0.0100

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018-08\ALC_20180816_TEST.S
Operator	: Ashley Ann Johnson, M.S.
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20180816_TEST
Barcode Reader	: not used
Shutdown Cmd/Macro	: macro "shutdowncm.mac",go
Sequence Comment	: I.S. Lot: 180801-IS Pipette: Hamilton 1742

Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

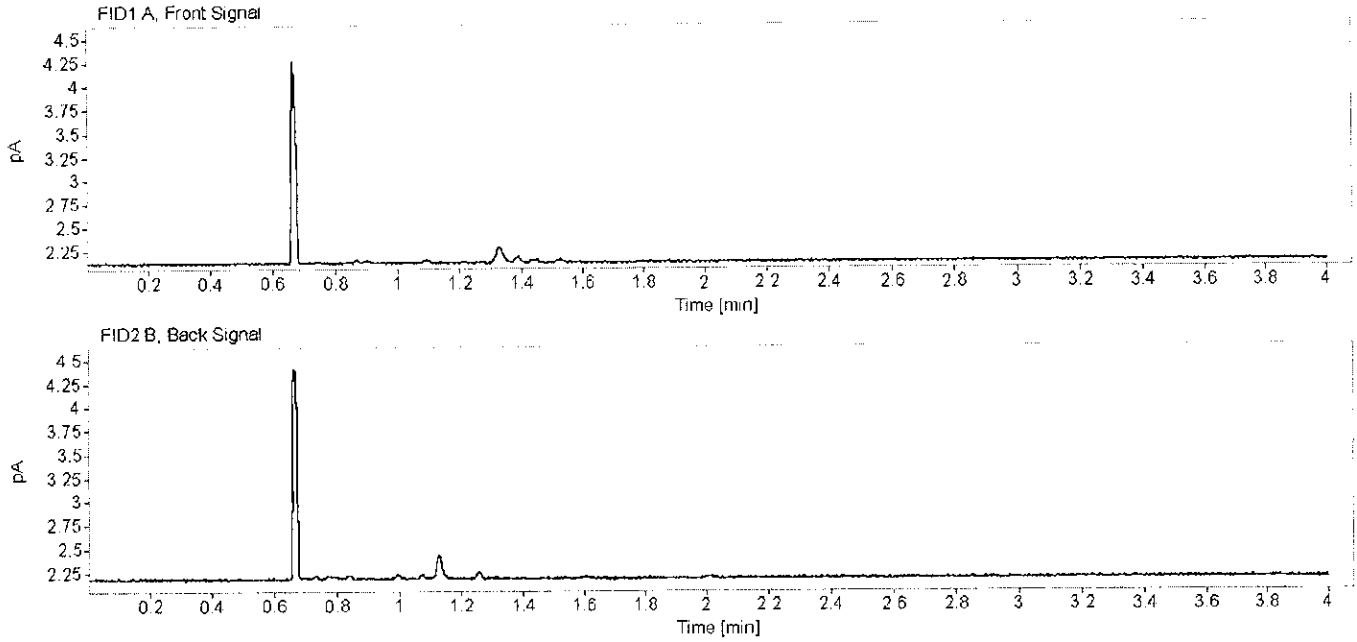
Line	: 1F
Location	: 1
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

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

Line	: 3F
Location	: 3
Sample Information	: Lot: FN10261505
Sample Name	: SS
Method Name	: VOLATILES
Sample Type	: Sample

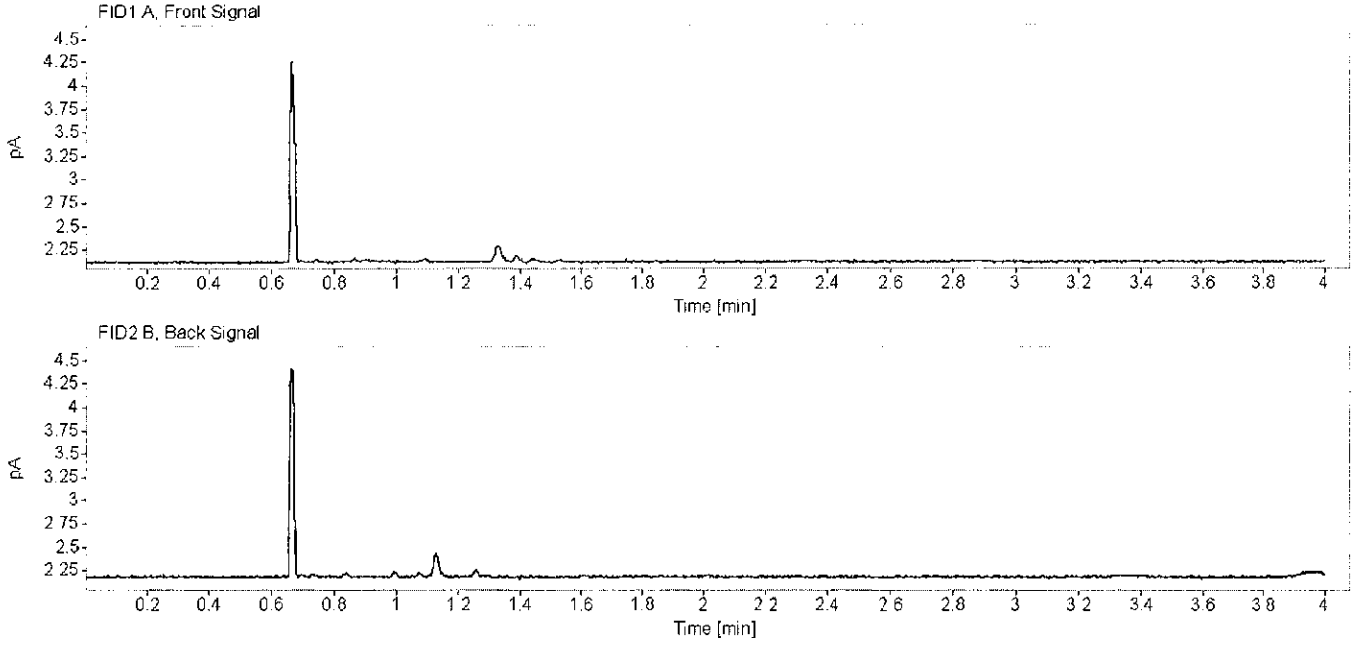
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	8/16/2018 9:51:14 AM
Data file:	C:\Chem32\1\Data\ALC_20180816_TEST\ALC_20180816_TEST 2018-08-16 09-42-11\001F0101.D				



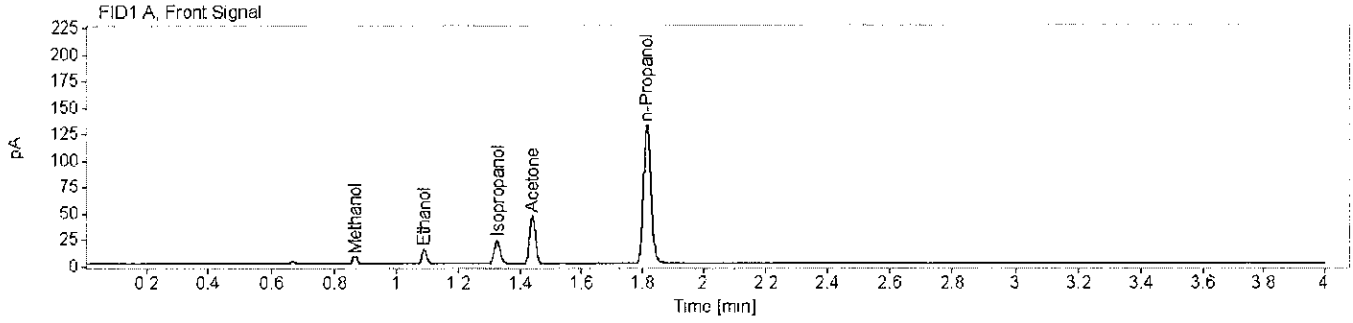
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

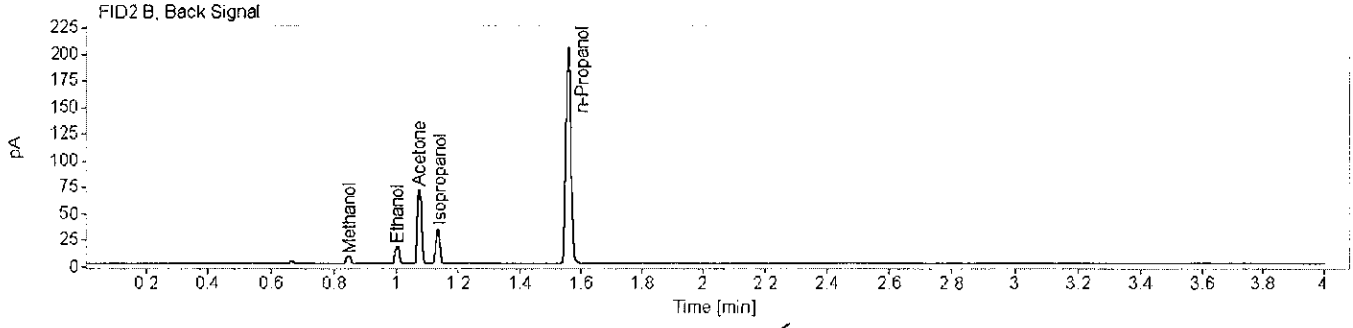
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	8/16/2018 9:55:43 AM
Data file:	C:\Chem32\1\Data\ALC_20180816_TEST\ALC_20180816_TEST 2018-08-16 09-42-11\002F0201.D				



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

Sample name: SS Description: Lot: FN10261505 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/16/2018 10:01:36 AM
Data file: C:\Chem32\1\Data\ALC_20180816_TEST\ALC_20180816_TEST 2018-08-16 09-42-11\003F0301.D





Name FID1A ✓ ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.05319		0.869	0.868	7.8264	0.0123
Ethanol	0.81306		1.090	1.088	15.4231	0.0121
Isopropanol	0.84382		1.326	1.324	30.2539	0.0108
Acetone	0.89668		1.440	1.439	61.9951	0.0117
n-Propanol	0.83940		1.816	1.816	229.2722	0.0100

Name FID2B ✓ ✓ ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.17309		0.849	0.854	8.0158	0.0120
Ethanol	0.87752	426.039074480889	1.004	1.011	16.3848	0.0123
Acetone	0.90386	805.05337893542	1.076	1.081	64.1235	0.0117
Isopropanol	0.87478	377.164141045564	1.135	1.144	31.6565	0.0109
n-Propanol	0.91396		1.560	1.574	236.4666	0.0100

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018-08\ALC_20180817_TEST.S
Operator	: Valerie L Coronado
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20180817_TEST
Barcode Reader	: not used
Shutdown Cmd/Macro	: macro "shutdowncm.mac",go
Sequence Comment	: I.S. Lot: 180801-IS Pipette: Hamilton 7903

Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

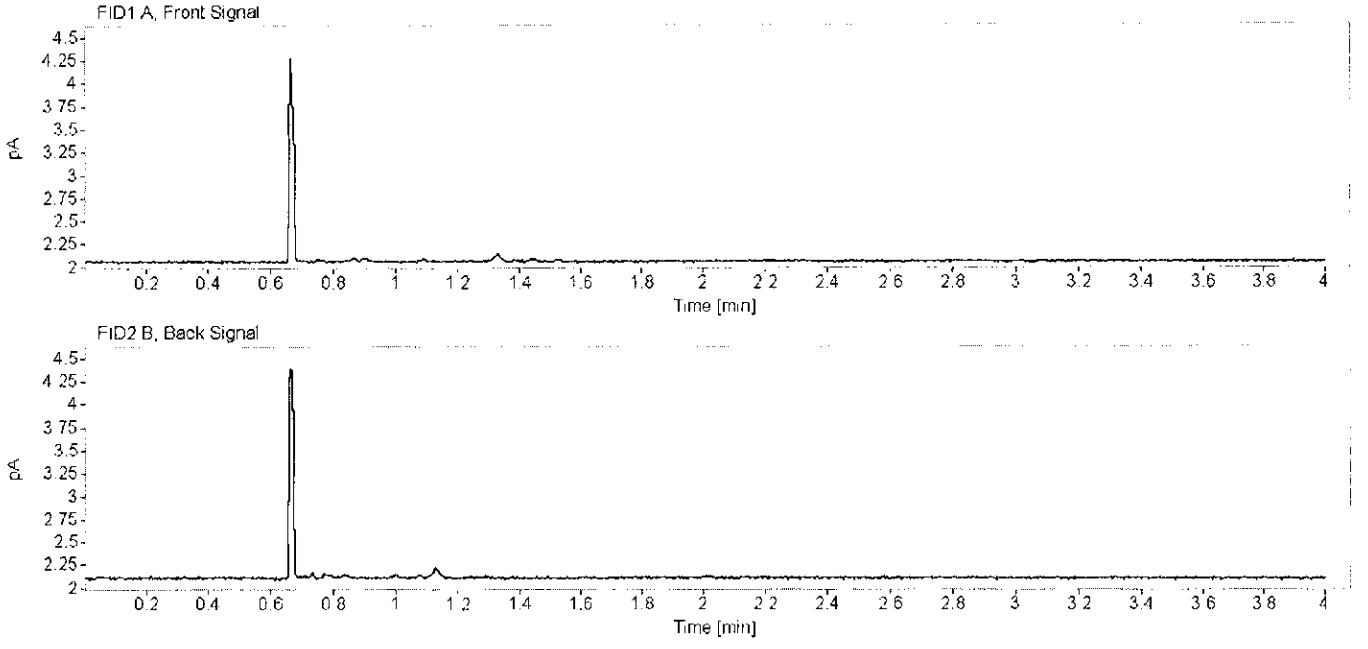
Line	: 1F
Location	: 1
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

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

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

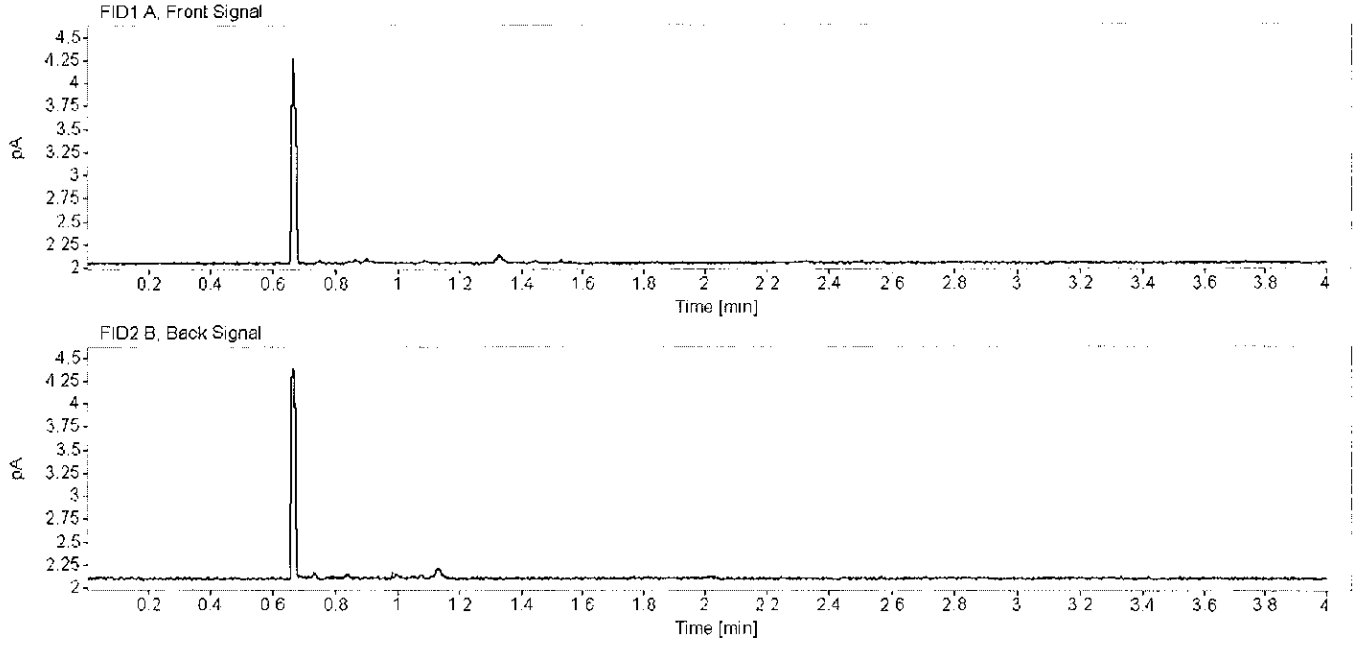
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	8/17/2018 9:11:28 AM
Data file:	C:\Chem32\1\Data\ALC_20180817_TEST\ALC_20180817_TEST 2018-08-17 09-02-25\001F0101.D				



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

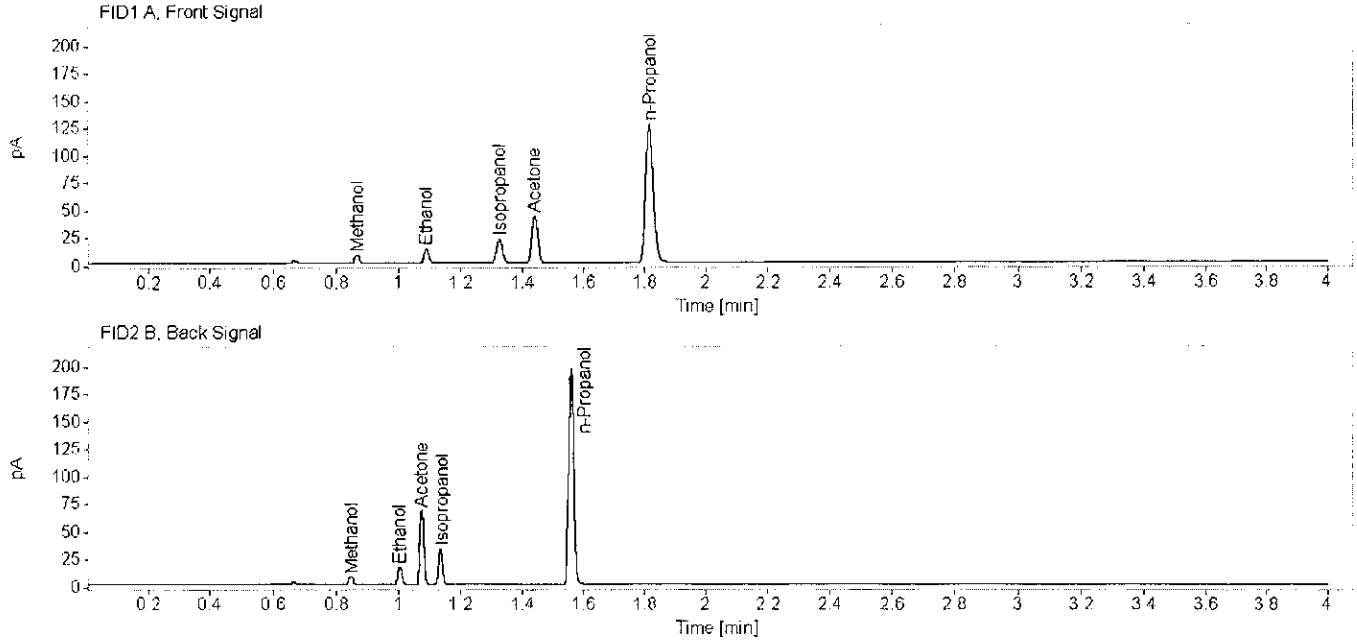
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	8/17/2018 9:15:58 AM
Data file:	C:\Chem32\1\Data\ALC_20180817_TEST\ALC_20180817_TEST 2018-08-17 09-02-25\002F0201.D				



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: 8/17/2018 9:21:51 AM
Data file: C:\Chem32\1\Data\ALC_20180817_TEST\ALC_20180817_TEST 2018-08-17 09-02-25\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.00265		0.868	0.868	7.9672	0.0130
Ethanol	0.81985		1.090	1.088	15.2019	0.0125
Isopropanol	0.79291	185.174030283521	1.326	1.324	30.2233	0.0113
Acetone	0.88844	377.700616733208	1.440	1.439	59.2181	0.0117
n-Propanol	0.84862		1.816	1.816	220.0128	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.31703		0.850	0.854	8.1058	0.0126
Ethanol	0.87337		1.006	1.011	15.9976	0.0125
Acetone	0.91766	1020.51033463474	1.076	1.081	60.6700	0.0115
Isopropanol	0.87507	481.0848949274	1.136	1.144	30.1541	0.0108
n-Propanol	0.91675		1.562	1.574	226.7604	0.0100

VC