



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	SS	Comments	Signature
					Pass/Fail	Pass/Fail		
8/13/18	70 1900	70 700	70 2600	70 1900	Pass	Pass	Air tank replaced	VC
8/14/18	70 1700	70 700	70 2500	70 1900	Pass	Pass	Installed RTX-BAC Plus 1 column SN 1433031. Bake at 600 overnight	agj
8/16/18	70 1700	70 650	70 2100	70 1800	Pass	Pass	Verification run Recomment on SC chromatogram	agj
 								
 								

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

BAM
8/20/18

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018\08_AUGUST\ALC_20180813_TEST.S
Operator : Valerie L Coronado
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 7903
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

=====

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

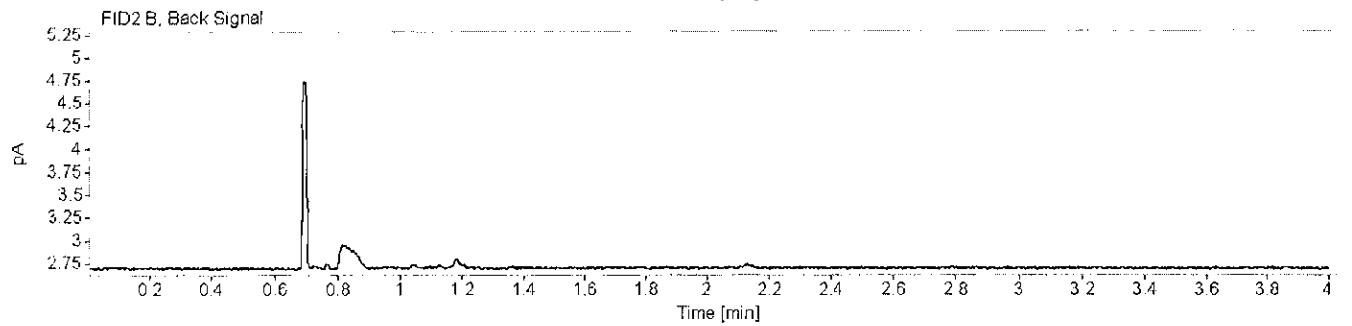
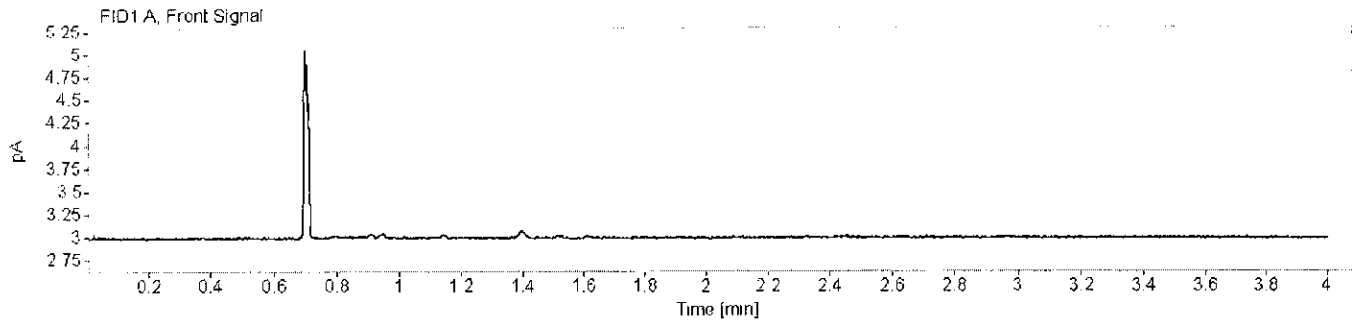
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✓

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Toxicology - Volatile Analysis Chromatograms



Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/13/2018 10:12:37 AM
Data file: C:\Chem32\1\Data\ALC_20180808_TEST\ALC_20180813_TEST 2018-08-13 10-03-36\001F0101.D

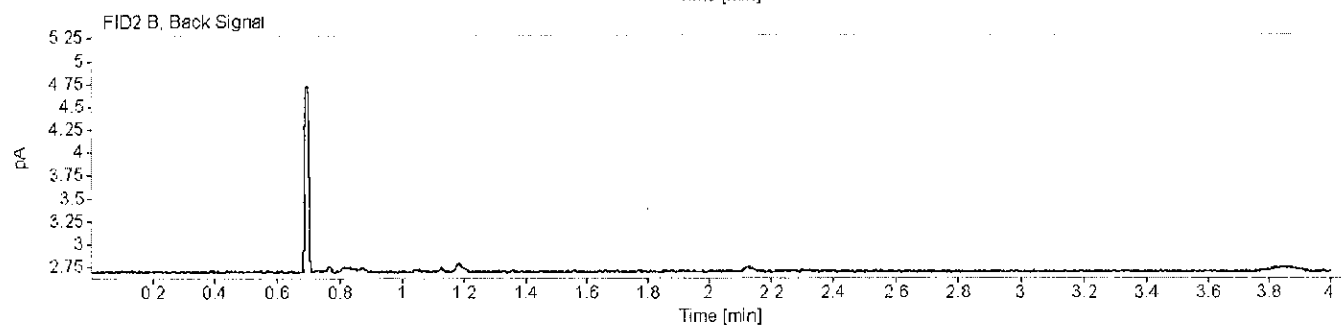
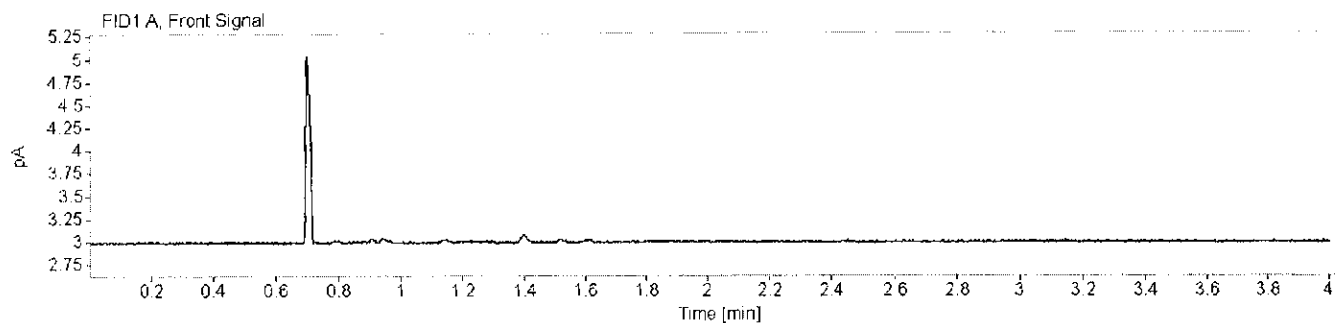


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Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/13/2018 10:17:07 AM
Data file: C:\Chem32\1\Data\ALC_20180808_TEST\ALC_20180813_TEST 2018-08-13 10-03-36\002F0201.D

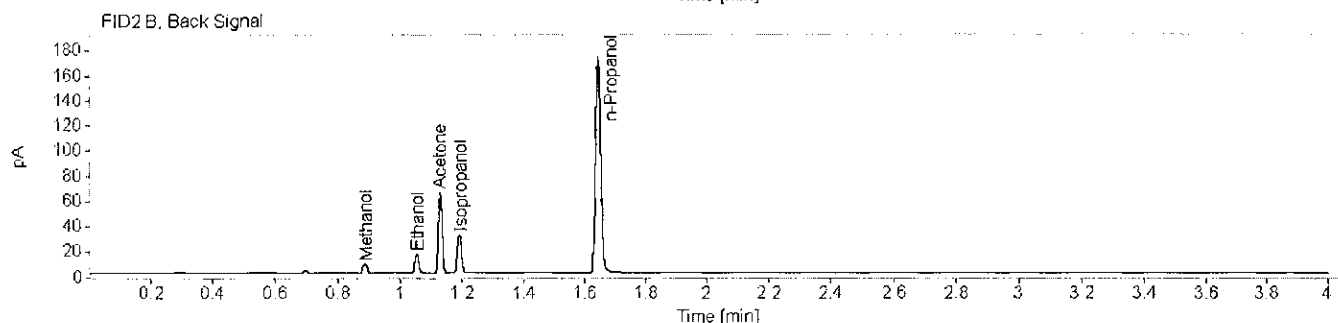
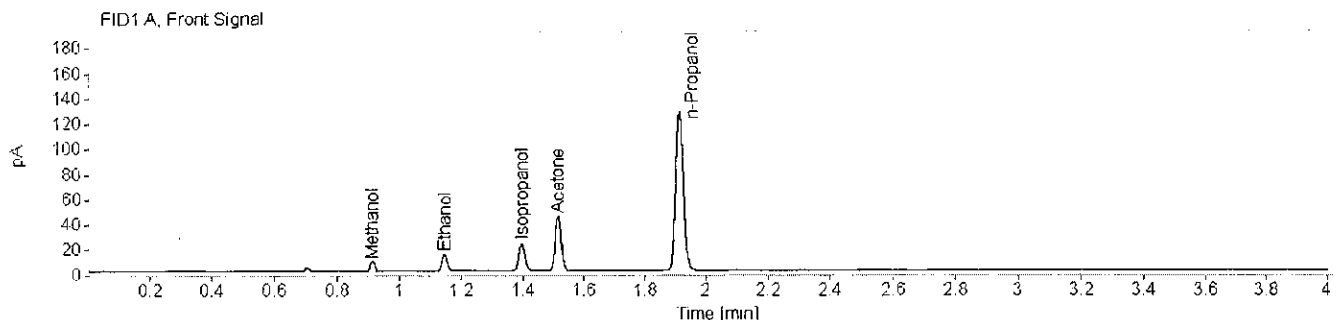


VC

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Sample name: SS Description: Lot: FN10221601 Vial Number: 3
 Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/13/2018 10:23:00 AM
 Data file: C:\Chem3211\Data\ALC_20180808_TEST\ALC_20180813_TEST 2018-08-13 10-03-36\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.00394		0.914	0.922	7.6632	0.0124
Ethanol	0.89232		1.147	1.156	15.0704	0.0123
Isopropanol	0.88759		1.396	1.406	29.3695	0.0108
Acetone	0.91586		1.517	1.528	59.6337	0.0116
n-Propanol	0.89349		1.912	1.928	221.8346	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.19136		0.890	0.891	7.4054	0.0128
Ethanol	0.86110	572.36449348648	1.055	1.055	14.4464	0.0125
Acetone	0.91881	2437.78442647169	1.131	1.132	57.6862	0.0122
Isopropanol	0.88081		1.193	1.195	28.1985	0.0112
n-Propanol	0.87486		1.645	1.648	204.6339	0.0100

VC

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018\08_AUGUST\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

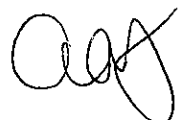
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Line : 2F
Location : 2
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

=====

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

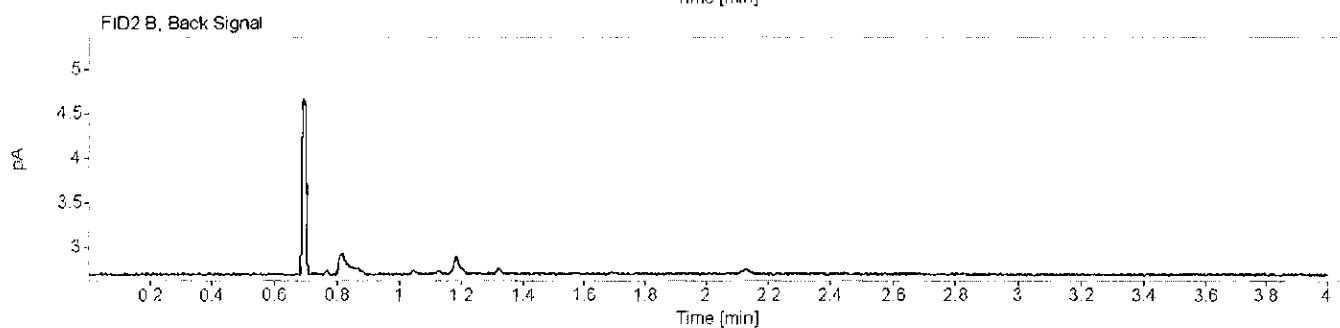
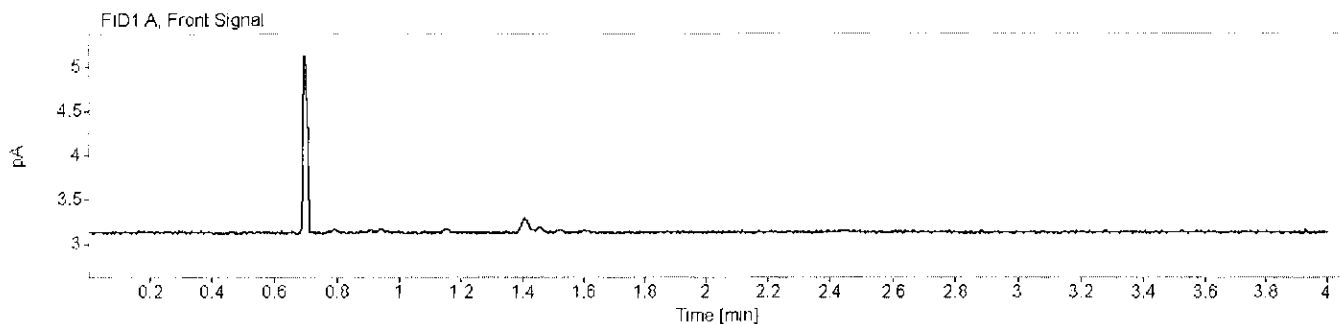
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Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/16/2018 9:56:13 AM
Data file: C:\Chem32\1\Data\ALC_20180816_TEST\ALC_20180816_TEST 2018-08-16 09-47-10\001F0101.D

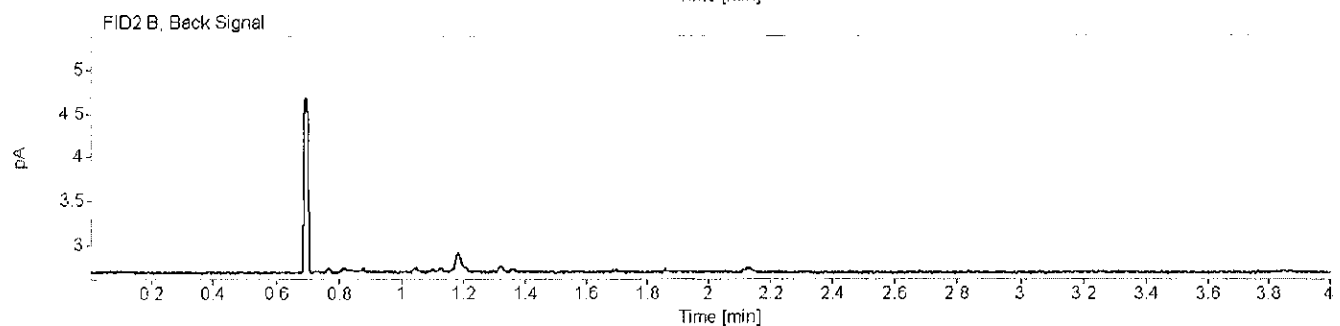
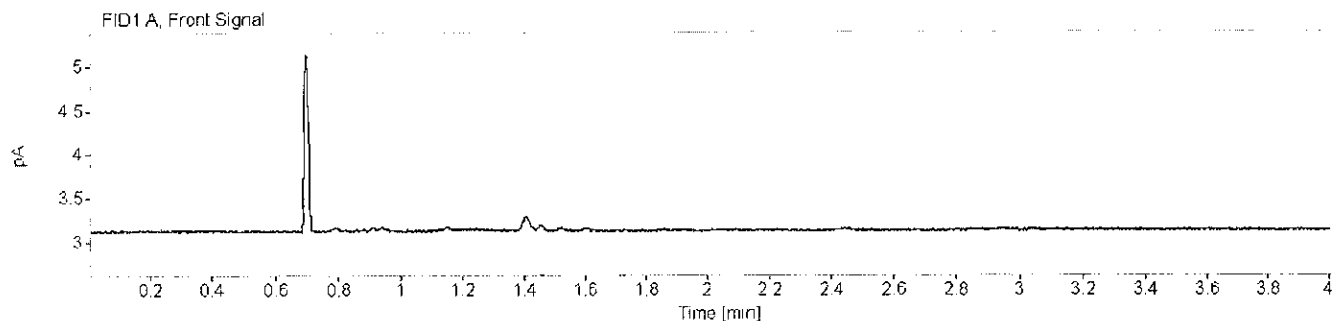


Ray

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Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/16/2018 10:00:43 AM
Data file: C:\Chem32\1\Data\ALC_20180816_TEST\ALC_20180816_TEST 2018-08-16 09-47-10\002F0201.D

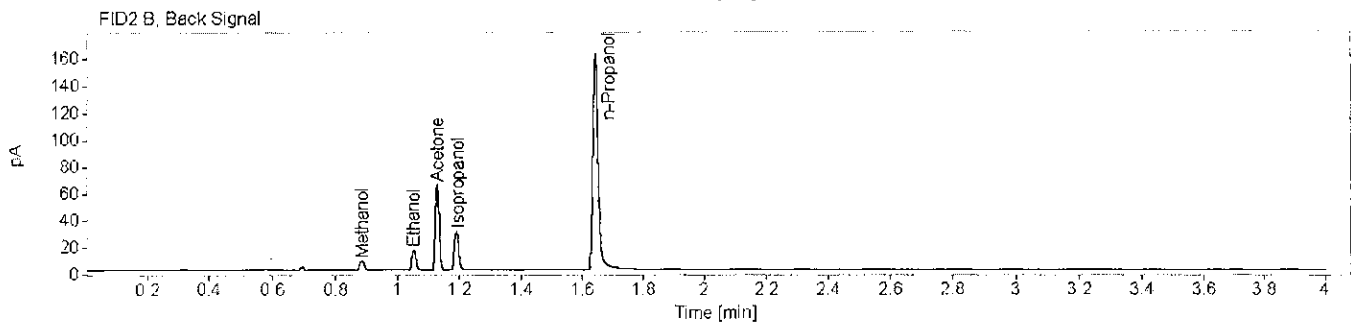
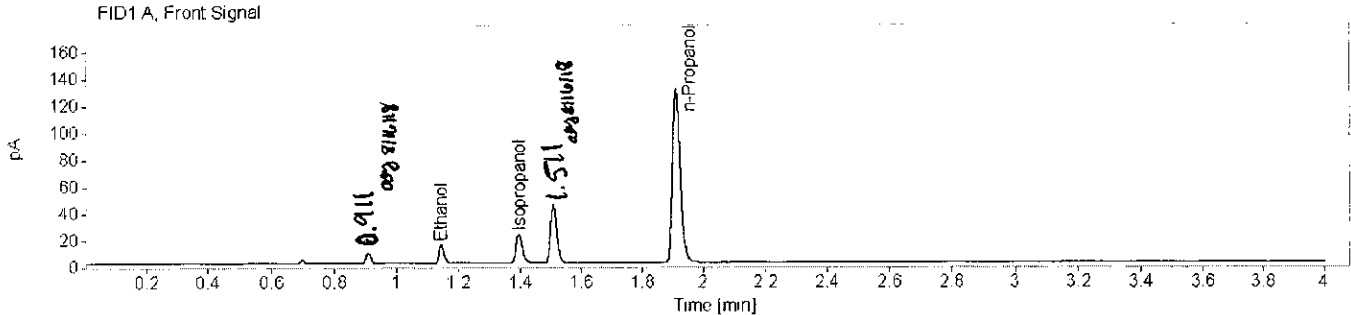


QAS

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Sample name: SS Description: Lot: FN10261505 Vial Number: 3
 Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/16/2018 10:06:35 AM
 Data file: C:\Chem32\1\Data\ALC_20180816_TEST\ALC_20180816_TEST 2018-08-16 09-47-10\003F0301.D



Name FID1A ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Ethanol	0.76523		1.146	1.156	15.4895	0.0123
Isopropanol	0.73497		1.395	1.406	29.5804	0.0106
n-Propanol	0.74592		1.911	1.928	227.5309	0.0100

Name FID2B ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.19824		0.890	0.891	7.3873	0.0131
Ethanol	0.84689	228.041507429526	1.055	1.055	14.5518	0.0129
Acetone	0.92739	914.482488481365	1.130	1.132	58.3987	0.0126
Isopropanol	0.83059	405.211359188822	1.193	1.195	28.4592	0.0116
n-Propanol	0.69441		1.645	1.648	200.2365	0.0100

Some peaks were not identified on FID1A due to changes in the retention times following the front column being changed. Retention times will be evaluated and updated during verification.
 Aug 8/16/18

agf