

This method has not been saved or  
this method may have been modified  
while it was acquiring data.

INSTRUMENT CONTROL PARAMETERS: SOV  
-----

C:\MSDCHEM\1\METHODS\GUNPOWDER.M  
Mon Oct 14 11:06:02 2019

Control Information  
-----

Sample Inlet : GC  
Injection Source : GC ALS  
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

=====

6890 GC METHOD

=====

OVEN  
Initial temp: 45 'C (On)            Maximum temp: 350 'C  
Initial time: 3.00 min            Equilibration time: 0.50 min  
Ramps:  
# Rate Final temp Final time  
1 15.00 150 0.00  
2 40.00 265 7.00  
3 0.0(Off)  
Post temp: 0 'C  
Post time: 0.00 min  
Run time: 19.88 min

FRONT INLET (SPLIT/SPLITLESS)      BACK INLET (UNKNOWN)  
Mode: Splitless  
Initial temp: 170 'C (On)  
Pressure: 4.10 psi (On)  
Purge flow: 15.6 mL/min  
Purge time: 0.00 min  
Total flow: 25.2 mL/min  
Gas saver: On  
Saver flow: 15.0 mL/min  
Saver time: 2.00 min  
Gas type: Hydrogen

COLUMN 1                              COLUMN 2  
Capillary Column                    (not installed)  
Model Number: Agilent 19091S-233  
HP-5  
Max temperature: 350 'C  
Nominal length: 30.0 m  
Nominal diameter: 250.00 um  
Nominal film thickness: 1.00 um  
Mode: ramped pressure  
Initial pressure: 4.10 psi

Initial time: 30.00 min  
# Rate Final pres Final time  
1 0.0(Off)  
Post pressure: 4.10 psi  
Nominal initial flow: 1.6 mL/min  
Average velocity: 67 cm/sec  
Inlet: Front Inlet  
Outlet: MSD  
Outlet pressure: vacuum

FRONT DETECTOR (NO DET)

BACK DETECTOR (NO DET)

SIGNAL 1  
Data rate: 20 Hz  
Type: col comp 1  
Save Data: On  
Zero: 0.0 (Off)  
Range: 0  
Fast Peaks: Off  
Attenuation: 0

SIGNAL 2  
Data rate: 20 Hz  
Type: test plot  
Save Data: Off  
Zero: 0.0 (Off)  
Range: 0  
Fast Peaks: Off  
Attenuation: 0

COLUMN COMP 1  
(No Detectors Installed)

COLUMN COMP 2  
(No Detectors Installed)

THERMAL AUX 2  
Use: MSD Transfer Line Heater  
Description: GC  
Initial temp: 280 'C (On)  
Initial time: 0.00 min  
# Rate Final temp Final time  
1 0.0(Off)

POST RUN  
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint
------	-----------	----------------------

GC Injector

Front Injector:  
Sample Washes 1  
Sample Pumps 2  
Injection Volume 1.00 microliters  
Syringe Size 10.0 microliters  
PreInj Solvent A Washes 2  
PreInj Solvent B Washes 2  
PostInj Solvent A Washes 5  
PostInj Solvent B Washes 5  
Viscosity Delay 0 seconds  
Plunger Speed Fast

PreInjection Dwell 0.00 minutes  
PostInjection Dwell 0.00 minutes

Back Injector:

No parameters specified

Column 1 Inventory Number : AB001

Column 2 Inventory Number :

### MS ACQUISITION PARAMETERS

#### General Information

-----

Tune File : atune.u  
Acquisition Mode : Scan

#### MS Information

-----

Solvent Delay : 3.00 min  
EMV Mode : Relative  
Relative Voltage : 0  
Resulting EM Voltage : 1388

#### [Scan Parameters]

Low Mass : 41.0  
High Mass : 400.0  
Threshold : 150  
Sample # : 2 A/D Samples 4  
Plot 2 low mass : 50.0  
Plot 2 high mass : 550.0

#### [MSZones]

MS Source : 230 C maximum 250 C  
MS Quad : 150 C maximum 200 C

END OF MS ACQUISITION PARAMETERS

TUNE PARAMETERS for SN: US00012345

-----

Trace Ion Detection is OFF.

EMISSION : 34.610  
ENERGY : 69.922  
REPELLER : 34.814  
IONFOCUS : 90.157  
ENTRANCE\_LE : 14.500  
EMVOLTS : 1388.235  
Actual EMV : 1200  
GAIN FACTOR : 0.40  
AMUGAIN : 2292.000

AMUOFFSET : 127.000  
FILAMENT : 1.000  
DCPOLARITY : 0.000  
ENTLENSOFFS : 19.075  
MASSGAIN : 419.000  
MASSOFFSET : -10.000

END OF TUNE PARAMETERS  
-----

END OF INSTRUMENT CONTROL PARAMETERS  
-----

This method has not been saved or  
this method may have been modified  
while it was acquiring data.

INSTRUMENT CONTROL PARAMETERS: SOV  
-----

C:\MSDCHEM\1\METHODS\GUNPOWDER.M  
Mon Oct 14 11:06:43 2019

Control Information  
-----

Sample Inlet : GC  
Injection Source : GC ALS  
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

=====

6890 GC METHOD

=====

OVEN  
Initial temp: 45 'C (On)            Maximum temp: 350 'C  
Initial time: 3.00 min            Equilibration time: 0.50 min  
Ramps:  
# Rate Final temp Final time  
1 15.00 150 0.00  
2 40.00 265 7.00  
3 0.0(Off)  
Post temp: 0 'C  
Post time: 0.00 min  
Run time: 19.88 min

FRONT INLET (SPLIT/SPLITLESS)      BACK INLET (UNKNOWN)  
Mode: Splitless  
Initial temp: 170 'C (On)  
Pressure: 4.10 psi (On)  
Purge flow: 15.6 mL/min  
Purge time: 0.00 min  
Total flow: 25.2 mL/min  
Gas saver: On  
Saver flow: 15.0 mL/min

Saver time: 2.00 min  
Gas type: Hydrogen

COLUMN 1                      COLUMN 2  
Capillary Column              (not installed)  
Model Number: Agilent 19091S-233  
HP-5  
Max temperature: 350 °C  
Nominal length: 30.0 m  
Nominal diameter: 250.00 µm  
Nominal film thickness: 1.00 µm  
Mode: ramped pressure  
Initial pressure: 4.10 psi  
Initial time: 30.00 min  
# Rate Final pres Final time  
1 0.0(Off)  
Post pressure: 4.10 psi  
Nominal initial flow: 1.6 mL/min  
Average velocity: 67 cm/sec  
Inlet: Front Inlet  
Outlet: MSD  
Outlet pressure: vacuum

FRONT DETECTOR (NO DET)              BACK DETECTOR (NO DET)

SIGNAL 1                      SIGNAL 2  
Data rate: 20 Hz              Data rate: 20 Hz  
Type: col comp 1              Type: test plot  
Save Data: On              Save Data: Off  
Zero: 0.0 (Off)              Zero: 0.0 (Off)  
Range: 0              Range: 0  
Fast Peaks: Off              Fast Peaks: Off  
Attenuation: 0              Attenuation: 0

COLUMN COMP 1              COLUMN COMP 2  
(No Detectors Installed)              (No Detectors Installed)

THERMAL AUX 2  
Use: MSD Transfer Line Heater  
Description: GC  
Initial temp: 280 °C (On)  
Initial time: 0.00 min  
# Rate Final temp Final time  
1 0.0(Off)

POST RUN  
Post Time: 0.00 min

TIME TABLE  
Time      Specifier              Parameter & Setpoint

## Front Injector:

Sample Washes 1  
Sample Pumps 2  
Injection Volume 1.00 microliters  
Syringe Size 10.0 microliters  
PreInj Solvent A Washes 2  
PreInj Solvent B Washes 2  
PostInj Solvent A Washes 5  
PostInj Solvent B Washes 5  
Viscosity Delay 0 seconds  
Plunger Speed Fast  
PreInjection Dwell 0.00 minutes  
PostInjection Dwell 0.00 minutes

## Back Injector:

No parameters specified

Column 1 Inventory Number : AB001  
Column 2 Inventory Number :

## MS ACQUISITION PARAMETERS

## General Information

-----

Tune File : atune.u  
Acquisition Mode : Scan

## MS Information

-----

Solvent Delay : 3.00 min  
EMV Mode : Relative  
Relative Voltage : 0  
Resulting EM Voltage : 1388

## [Scan Parameters]

Low Mass : 41.0  
High Mass : 400.0  
Threshold : 150  
Sample # : 2 A/D Samples 4  
Plot 2 low mass : 50.0  
Plot 2 high mass : 550.0

## [MSZones]

MS Source : 230 C maximum 250 C  
MS Quad : 150 C maximum 200 C

END OF MS ACQUISITION PARAMETERS

-----

Trace Ion Detection is OFF.

EMISSION : 34.610  
ENERGY : 69.922  
REPELLER : 34.814  
IONFOCUS : 90.157  
ENTRANCE\_LE : 14.500  
EMVOLTS : 1388.235  
Actual EMV : 1200  
GAIN FACTOR : 0.40  
AMUGAIN : 2292.000  
AMUOFFSET : 127.000  
FILAMENT : 1.000  
DCPOLARITY : 0.000  
ENTLENSOFFS : 19.075  
MASSGAIN : 419.000  
MASSOFFSET : -10.000

END OF TUNE PARAMETERS

-----

END OF INSTRUMENT CONTROL PARAMETERS

-----