null
Nov 22 09:31:56: QuickVerify Completed.
Nov 22 09:31:57: ********************************************
Nov 22 09:31:57: Integrator Zero Adjustment Started
Nov 22 09:31:59: Integrator Zero Adjustment Set: 256
Nov 22 09:32:00: Integrator Zero Adjustment Set: 512
Nov 22 09:32:00: Integrator Zero Adjustment Set: 640
Nov 22 09:32:00: Integrator Zero Adjustment Set: 768
Nov 22 09:32:01: Integrator Zero Adjustment Set: 544
Nov 22 09:32:01: Integrator Zero Adjustment Set: 528
Nov 22 09:32:02: Integrator Zero Adjustment Set: 520
Nov 22 09:32:02: Integrator Zero Adjustment Set: 516
Nov 22 09:32:02: Integrator Zero Adjustment Set: 518
Nov 22 09:32:02: Integrator Zero Adjustment Set: 518
Nov 22 09:32:02: Integrator Zero Adjustment Set: 518
Nov 22 09:32:02: Av. intensity: 0.415
Nov 22 09:32:03: Integrator Zero Adjustment Completed
Nov 22 09:32:03: ********************************************
Nov 22 09:32:03: Electron Multiplier Gain Adj started
Nov 22 09:32:05: Integrator Zero Adjustment Set: 518
Nov 22 09:32:05: Integrator Zero Adjustment Set: 518
Nov 22 09:32:06: Integrator Zero Adjustment Set: 518
Nov 22 09:32:06: Integrator Zero Adjustment Set: 518
Nov 22 09:32:06: Integrator Zero Adjustment Set: 518
Nov 22 09:32:10: Electron Multiplier voltage setting is 1800
Nov 22 09:32:11: Settling -- Fil bias: -25000 gain events: 15 (samples: 20140) mean: 16.5
Nov 22 09:32:11: Settling -- Fil bias: -25000 gain events: 0 (samples: 20140) mean: 0.0
Nov 22 09:32:12: Settling -- Fil bias: -25000 gain events: 0 (samples: 20140) mean: 0.0
Nov 22 09:32:13: Settling -- Fil bias: -25000 gain events: 2082 (samples: 20140) mean: 28.0
Nov 22 09:32:14: Fil bias: -25000 gain events: 3149 (samples: 20140) mean: 22.1
Nov 22 09:32:14: Electron Multiplier voltage setting is 1700
Nov 22 09:32:14: Settling -- Fil bias: -25000 gain events: 3016 (samples: 20140) mean: 14.1
Nov 22 09:32:15: Settling -- Fil bias: -25000 gain events: 2902 (samples: 20140) mean: 14.3
Nov 22 09:32:16: Settling -- Fil bias: -25000 gain events: 3050 (samples: 20140) mean: 13.7
Nov 22 09:32:17: Settling -- Fil bias: -25000 gain events: 3065 (samples: 20140) mean: 14.3
Nov 22 09:32:17: Fil bias: -25000 gain events: 3059 (samples: 20140) mean: 14.2
Nov 22 09:32:17: Electron Multiplier voltage setting is 1700
Nov 22 09:32:17: Electron Multiplier gain is 14.22
Nov 22 09:32:18: Electron Multiplier Gain Adj completed
Nov 22 09:32:18: ********************************************
Nov 22 09:32:18: RF Full Scale Adjustment Started
Nov 22 09:32:18: Calibrating on mass 69.0
Nov 22 09:32:31: Centering on mass 69.0 center: 665.3 RF Dac: 4174
Nov 22 09:32:33: Centering on mass 69.0 center: 673.4 RF Dac: 3150
Nov 22 09:32:34: Mass 69.0 completed - adj. OK
Nov 22 09:32:34: Calibrating on mass 414.0
Nov 22 09:32:36: Centering on mass 414.0 center: 4163.0 RF Dac: 3092
Nov 22 09:32:37: Centering on mass 414.0 center: 4131.7 RF Dac: 3730
Nov 22 09:32:39: Centering on mass 414.0 center: 4130.0 RF Dac: 3763
Nov 22 09:32:41: Mass 414.0 completed - adj. OK
Nov 22 09:32:41: Calibrating on mass 614.0
Nov 22 09:32:42: Unable to locate mass 614.0
Nov 22 09:32:42: RF Full Scale Adjustment Set: 3763
Nov 22 09:32:43: RF Full Scale Adjustment Completed
Nov 22 09:32:43: ********************************************
Nov 22 09:32:43: Mass Calibration started
Nov 22 09:32:43: Calibrating on mass 69.0
Nov 22 09:32:52: Centered on mass: 69.0 rf dac: 668.6
Nov 22 09:32:52: Centered on mass: 131.0 rf dac: 1288.5
Nov 22 09:32:58: Centered on mass: 131.0 rf dac: 1288.5
Nov 22 09:33:03: Calibrating on mass 264.0
Nov 22 09:33:03: Calibrating on mass 264.0
Nov 22 09:33:03: Calibrating on mass 264.0
Nov 22 09:33:10: Centered on mass: 414.0 rf dac: 4129.4
Nov 22 09:33:10: Calibrating on mass 464.0
Nov 22 09:33:16: Centered on mass: 464.0 rf dac: 4632.1
Nov 22 09:33:16: Calibrating on mass 614.0
Nov 22 09:33:23: Centered on mass: 614.0 rf dac: 6139.5
Nov 22 09:33:23: Mass: 69.0 Intercept: -17.00 Slope: 9.9420
Nov 22 09:33:27: Centered on mass: 69.0 rf dac: 677.2
Nov 22 09:33:27: Calibrating on mass 131.0
Nov 22 09:33:32: Centered on mass: 131.0 rf dac: 1297.5
Nov 22 09:33:32: Calibrating on mass 264.0
Nov 22 09:33:37: Centered on mass: 264.0 rf dac: 2632.3
Nov 22 09:33:37: Calibrating on mass 414.0
Nov 22 09:33:42: Centered on mass: 414.0 rf dac: 4140.1
Nov 22 09:33:42: Calibrating on mass 464.0
Nov 22 09:33:48: Centered on mass: 464.0 rf dac: 4643.2
Nov 22 09:33:48: Calibrating on mass 614.0
Nov 22 09:33:54: Centered on mass: 614.0 rf dac: 6151.9
Nov 22 09:33:54: Mass: 69.0 Intercept: -17.00 Slope: 10.0580
Nov 22 09:33:54: Mass: 131.0 Intercept: -13.00 Slope: 10.0000
Nov 22 09:33:54: Mass: 264.0 Intercept: -17.92 Slope: 10.0376
Nov 22 09:33:54: Mass: 414.0 Intercept: -22.08 Slope: 10.0533
Nov 22 09:33:54: Mass: 1000.0 Intercept: -13.45 Slope: 10.0415
Nov 22 09:33:54: Mass Calibration for NORMAL and FAST modes completed
Nov 22 09:33:54: ****************************************
Nov 22 09:33:54: Trap Frequency Calibration started
Nov 22 09:33:54: Calibrating on mass 69.0
Nov 22 09:33:59: Search Window set to 243.00 - 255.00 kHz
Nov 22 09:33:59: Ejection Amplitude set to 0.70 Volts
Nov 22 09:34:29: Amplitude = 0.70 Dip = 57.662 percent Frequency = 245.000 kHz Width = 0 Hz
Nov 22 09:34:29: Ejection Amplitude set to 0.80 Volts
Nov 22 09:34:48: Amplitude = 0.80 Dip = 9.976 percent Frequency = 245.800 kHz Width = 1219 Hz
Nov 22 09:34:48: Ejection Amplitude set to 0.78 Volts
Nov 22 09:34:48: Search Window set to 243.80 - 247.00 kHz
Nov 22 09:35:16: Amplitude = 0.78 Dip = 13.309 percent Frequency = 245.660 kHz Width = 1089 Hz
Nov 22 09:35:16: Trap fcy calibrated at mass: 69.0 fcy: 245.660 kHz holding rf: 527
Nov 22 09:35:16: Calibrating on mass 414.0
Nov 22 09:35:22: Search Window set to 241.00 - 253.00 kHz
Nov 22 09:35:22: Ejection Amplitude set to 0.70 Volts
Nov 22 09:35:45: Amplitude = 0.70 Dip = 0.246 percent Frequency = 246.300 kHz Width = 906 Hz
Nov 22 09:35:45: Ejection Amplitude set to 0.41 Volts
Nov 22 09:35:45: Search Window set to 245.07 - 246.83 kHz
Nov 22 09:36:11: Amplitude = 0.41 Dip = 15.088 percent Frequency = 245.967 kHz Width = 293 Hz
Nov 22 09:36:11: Trap fcy calibrated at mass: 414.0 fcy: 245.967 kHz holding rf: 3247
Nov 22 09:36:11: Trap Frequency Calibration completed
Nov 22 09:36:11: ****************************************
Nov 22 09:36:11: Auto Tune Validate started
Nov 22 09:36:11: Auto Tune Validate completed
Nov 22 09:36:11: Auto Tune Passed
Nov 22 09:36:11: Integrator Zero Dac: 518 PASS
Nov 22 09:36:11: Electron Multiplier Voltage: 1700 PASS
Nov 22 09:36:11: RF Full Scale Adj. RF Full Scale Dac: 3763 PASS
Nov 22 09:36:11: Mass Calibration PASS
Nov 22 09:36:11: Trap Fcy. Calibration mass1: 69.0 freq1: 245.7 mass2: 414.0 freq2: 246.0 PASS
Nov 22 09:36:11: Auto Tune Passed
ION gauge Test And Diagnostic Test for November 23, 2011

Nov 23 10:58:05: Basic Hardware Test: Passed.
Nov 23 10:58:05: System Test: Completed.
Nov 23 10:58:16: Wave Generator Test: Completed.
Nov 23 10:58:18: Scan and Acquisition Test: Started.
Nov 23 10:58:27: Scan and Acquisition Test: At least one fixed RF test was performed.
Nov 23 10:58:27: Scan and Acquisition Test: At least one scan slope test was performed.
Nov 23 10:58:27: Scan and Acquisition Test: At least one iterative acqu test was performed.
Nov 23 10:58:27: Scan and Acquisition Test: At least one synch test was performed.
Nov 23 10:58:27: Scan and Acquisition Test: Passed.
Nov 23 10:58:27: Scan and Acquisition Test: Completed.

Test performed by: [Signature]
Autotune for Saturn 4000 - November 23, 2011

Nov 23 11:03:10: QuickVerify Started.
Nov 23 11:03:11: Warning: The manifold temperature has not stabilized at its set point. Best to wait until it has stabilized.
Nov 23 11:03:11: QuickVerify Completed.
Nov 23 11:03:12:
Nov 23 11:03:12: *****************************************
Nov 23 11:03:15: Integrator Zero Adjustment Set: 256
Nov 23 11:03:15: Integrator Zero Adjustment Set: 512
Nov 23 11:03:15: Integrator Zero Adjustment Set: 640
Nov 23 11:03:16: Integrator Zero Adjustment Set: 576
Nov 23 11:03:16: Integrator Zero Adjustment Set: 544
Nov 23 11:03:16: Integrator Zero Adjustment Set: 528
Nov 23 11:03:17: Integrator Zero Adjustment Set: 520
Nov 23 11:03:17: Integrator Zero Adjustment Set: 516
Nov 23 11:03:17: Integrator Zero Adjustment Set: 518
Nov 23 11:03:18: Integrator Zero Adjustment Set: 519
Nov 23 11:03:18: Integrator Zero Adjustment Set: 519
Nov 23 11:03:18: Integrator Zero Adjustment Completed
Nov 23 11:03:36: Electron Multiplier Gain Adj started
Nov 23 11:03:36: Electron Multiplier Gain Adj completed

Nov 23 11:03:26: Electron Multiplier voltage setting is 1700
Nov 23 11:03:26: Electron Multiplier voltage setting is 1800
Nov 23 11:03:31: Electron Multiplier voltage setting is 1750
Nov 23 11:03:34: Electron Multiplier voltage setting is 1775
Nov 23 11:03:37: Electron Multiplier voltage setting is 1775
Nov 23 11:03:42: RF Full Scale Adjustment Started

Nov 23 11:03:59: Centering on mass 414.0 center: 4160.1 RF Dac: 3159
Nov 23 11:04:01: Centering on mass 414.0 center: 4131.3 RF Dac: 3740
Nov 23 11:04:03: Centering on mass 414.0 center: 4130.2 RF Dac: 3765
Nov 23 11:04:04: Mass 414.0 completed - adj. OK
Nov 23 11:04:04: Calibrating on mass 614.0
Nov 23 11:04:06: Centering on mass 614.0 center: 6140.6 RF Dac: 3768
Nov 23 11:04:08: Centering on mass 614.0 center: 6132.6 RF Dac: 3866
Nov 23 11:04:10: Mass 614.0 completed - adj. OK
Nov 23 11:04:10: RF Full Scale Adjustment Set: 3862
Nov 23 11:04:10: RF Full Scale Adjustment Completed
Nov 23 11:04:10: ********
Nov 23 11:04:10: Mass Calibration started
Nov 23 11:04:10: Calibrating on mass 69.0
Nov 23 11:04:19: Centered on mass: 69.0 rf dac: 668.4
Nov 23 11:04:19: Calibrating on mass 131.0
Nov 23 11:04:25: Centered on mass: 131.0 rf dac: 1287.6
Nov 23 11:04:25: Calibrating on mass 264.0
Nov 23 11:04:31: Centered on mass: 264.0 rf dac: 2619.9
Nov 23 11:04:31: Calibrating on mass 414.0
Nov 23 11:04:37: Centered on mass: 414.0 rf dac: 4124.9
Nov 23 11:04:37: Calibrating on mass 464.0
Nov 23 11:04:43: Centered on mass: 464.0 rf dac: 4627.1
Nov 23 11:04:43: Calibrating on mass 614.0
Nov 23 11:04:49: Centered on mass: 614.0 rf dac: 6132.8
Nov 23 11:04:49: Mass: 69.0 Intercept: -17.00 Slope: 9.9275
Nov 23 11:04:49: Mass: 131.0 Intercept: -22.00 Slope: 10.0000
Nov 23 11:04:54: Centered on mass: 69.0 rf dac: 676.8
Nov 23 11:04:54: Calibrating on mass 131.0
Nov 23 11:04:59: Centered on mass: 131.0 rf dac: 1296.4
Nov 23 11:04:59: Calibrating on mass 264.0
Nov 23 11:05:04: Centered on mass: 264.0 rf dac: 2629.6
Nov 23 11:05:04: Calibrating on mass 414.0
Nov 23 11:05:09: Centered on mass: 414.0 rf dac: 4135.5
Nov 23 11:05:09: Calibrating on mass 464.0
Nov 23 11:05:14: Centered on mass: 464.0 rf dac: 4637.9
Nov 23 11:05:14: Calibrating on mass 614.0
Nov 23 11:05:19: Centered on mass: 614.0 rf dac: 6144.5
Nov 23 11:05:19: Mass: 69.0 Intercept: -17.00 Slope: 9.9275
Nov 23 11:05:19: Mass: 264.0 Intercept: -17.94 Slope: 10.0301
Nov 23 11:05:19: Mass: 1000.0 Intercept: -12.50 Slope: 10.0285
Nov 23 11:05:20: Mass Calibration for NORMAL and FAST modes completed
Nov 23 11:05:20: ******************************************
Nov 23 11:05:20: Trap Frequency Calibration started
Nov 23 11:05:20: Calibrating on mass 69.0
Nov 23 11:05:27: Search Window set to 243.00 - 255.00 kHz
Nov 23 11:05:27: Ejection Amplitude set to 0.78 Volts
Nov 23 11:05:47: Amplitude = 0.78 Dip = 8.477 percent Frequency = 246.000 kHz Width = 1261 Hz
Nov 23 11:05:47: Ejection Amplitude set to 0.74 Volts
Nov 23 11:05:47: Search Window set to 244.30 - 247.20 kHz
Nov 23 11:06:13: Amplitude = 0.74 Dip = 15.101 percent Frequency = 245.876 kHz Width = 1012 Hz
Nov 23 11:06:13: Trap fcy calibrated at mass: 69.0 fcy: 245.876 kHz holding rf: 527
Nov 23 11:06:13: Calibrating on mass 414.0
Nov 23 11:06:18: Search Window set to 241.00 - 253.00 kHz
Nov 23 11:06:18: Ejection Amplitude set to 0.41 Volts
Nov 23 11:06:38: Amplitude = 0.41 Dip = 5.451 percent Frequency = 246.500 kHz Width = 391 Hz
Nov 23 11:06:38: Ejection Amplitude set to 0.34 Volts
Nov 23 11:06:38: Search Window set to 245.77 - 246.93 kHz
Nov 23 11:06:54: Amplitude = 0.34 Dip = 55.670 percent Frequency = 246.200 kHz Width = 0 Hz
Nov 23 11:06:54: Ejection Amplitude set to 0.38 Volts
Nov 23 11:07:19: Amplitude = 0.38  Dip = 11.590 percent  Frequency = 246.452 kHz  Width = 369 Hz
Nov 23 11:07:19: Trap fcy calibrated at mass: 414.0 fcy: 246.452 kHz holding rf: 3247
Nov 23 11:07:20: Trap Frequency Calibration completed
Nov 23 11:07:20: *****************************************
Nov 23 11:07:20: AutoTuneValidate started
Nov 23 11:07:59: Auto Tune Validate completed
Nov 23 11:07:59: *****************************************
Nov 23 11:07:59: Auto Tune Passed
Nov 23 11:07:59: Integrator Zero Dac: 519 PASS
Nov 23 11:07:59: RF Full Scale Adj. RF Full Scale Dac: 3862 PASS
Nov 23 11:07:59: Mass Calibration PASS
Nov 23 11:07:59: Trap Fcy. Calibration mass1: 69.0 freq1: 245.9 mass2: 414.0 freq2: 246.5 PASS
Nov 23 11:07:59: Auto Tune Passed

Autotune performed after Instrument repair. Refer to Autotune from November 22, 2011 for details of Instrument repair.

Chemists performing autotune: [Signature]

Wednesday, 23 November, 2011  11:11:49 AM
**MS Workstation Version 6.9**
**Module: 4000.56**

**MODULE ATTRIBUTES as of 11/23/2011 11:07 AM**

**Configuration**
- System Type: GC
- Ionization Source: Internal
- Option Keys: None
- EFC Module: FALSE
- Serial Number: 0
- Controller Board Version: 0
- PROM Software Version: 03.01.01.00
- Communication Processor Software Version: 01.01.03.30
- Scan Processor Software Version: 01.01.03.30
- Power Board Version: 1
- Ion Detector Board Version: 0
- Lower Manifold Board Version: 0
- Upper Manifold Board Version: 0
- RF Board Version: 0

**Trap Filament**
- Last Set Date: Not Applicable
- Result: Default Values
- Trap Filament Number: 1
- Internal EI Filament Bias: -11.6 V
- Internal CI Filament Bias: -9.5 V

**Temperatures**
- Trap Setpoint: 210.0°C
- Manifold Setpoint: 50.0°C
- Transfer Line Setpoint: 280.0°C

**Ion Gauge**
- Filament: 1

**RF Ramp Adjustment**
- Last Set Date: 11/23/2011 11:02 AM
- Result: OK
- Highest Count: 655

**Cal Gas Adjustment**
- Last Set Date: 11/23/2011 11:02 AM
- Result: OK
- Ionization Time: 870
- Total Ion Count: 9363

**CI Gas Adjustment**
- Last Set Date: Not Applicable
- Result: Not Adjusted
- Reagent: Methane
- Ionization Time: 0
- Total Ion Count: 0

**Air/Water Check**
- Last Check Date: 11/23/2011 11:02 AM
- Mass 28 Peak Width: 0.70 m/z
- Mass 19/18 Ratio: 20%
- CI Plumbing Leak Check Results
  - Last Check Date: Not Applicable
  - Mass 28 Peak Width: 0.00 m/z
  - Mass 19/18 Ratio: 0%

**Integrator Zero**
- Last Set Date: 11/23/2011 11:03 AM
- Result: OK
- Average Counts: 0.3
- Bandwidth: 30000
- Integrator Zero DAC Value: 519

**Electron Multiplier**
- Last Set Date: 11/23/2011 11:03 AM
- Result: OK
- Electron Multiplier Voltage: 1775 V
- Conversion Dynode Voltage: 10000 V
- Conversion Dynode Polarity: Normal

**Supplemental Waveform**
Last Set Date: Not Applicable
Normal Scan Mode
Result: Default Values
Dipole 2 Offset Dipole 2 Volts Quad Offset Quad Volts
10.0 V 10.0 V 2.0 V 10.0 V
Dipole 2 Phase: 320 degrees
Quad Phase: 140 degrees
Fast Scan Mode
Result: Default Values
Dipole 2 Offset Dipole 2 Volts Quad Offset Quad Volts
10.0 V 10.0 V 2.0 V 10.0 V
Dipole 2 Phase: 320 degrees
Quad Phase: 140 degrees

Ion Lens Tuning
Last Set Date: Not Applicable
Result: Default Values
Gate On Voltage: 120.0 V
Gate Off Voltage: -120.0 V

RF Full Scale Adjustment
Last Set Date: 11/23/2011 11:04 AM
Result: OK
Calibration Mass: 614.0 m/z
Peak Location: 6133.0 m/z
Full Scale Adjustment DAC Value: 3862

Mass Calibration
Last Set Date: 11/23/2011 11:05 AM
Normal Scan Mode
Result: OK
Calibration Type: Tune Solution
Compound: Unspecified
Average Slope: 10.0093
Standard Deviation: 0.04
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<th>DAC</th>
<th>Slope</th>
<th>Intercept</th>
<th>Valid</th>
<th>User Entered</th>
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<td>-22.00</td>
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Fast Scan Mode
Result: OK
Calibration Type: Tune Solution
Compound: Unspecified
Average Slope: 10.0331
Standard Deviation: 0.03
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<th>DAC</th>
<th>Slope</th>
<th>Intercept</th>
<th>Valid</th>
<th>User Entered</th>
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<td>677</td>
<td>10.0580</td>
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<td>2630</td>
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<td>-17.94</td>
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<td>No</td>
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<td>10.0467</td>
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<td>Yes</td>
<td>No</td>
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<tr>
<td>1000.00</td>
<td>10016</td>
<td>10.0285</td>
<td>-12.50</td>
<td>Yes</td>
<td>No</td>
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</tbody>
</table>

Trap Frequency Calibration
Result: OK
Mass Frequency Holding RF Ejector Amplitude
69.00 m/z 245.88 kHz 527 counts 0.74 V
414.00 m/z 246.45 kHz 3247 counts 0.38 V

Tuning Errors
No record of CI Gas Adjustment.
No record of Air/Water Check (incl. CI plumbing).
Matched to: Matched to: Carbomethoxy-8-methyl-8-azabicyclo[3.2.1]oct-2-ene
CAS No. 43021-26-7, CAS No. 43021-26-7, MW 181

BP: 152 (99.9=100%) 98384 in MAINLIB

Scan 170 from...cocainestd-11291111-06-18am.sms
Entry 98384 from MAINLIB Library

Spectrum

BP: 152 (99.9=100%) 98384 in MAINLIB

Scan 170 from...cocainestd-11291111-06-18am.sms
Entry 98384 from MAINLIB Library

Spectrum
Entry 159 from NIST Library

Scan 186 from cocaine std - 11-29-2011 11:06-18 am

Eagene methyl ester (EME)

BP 42 (99.9=100%) 159 in PPDLAB

Match Ecgoninemethylester (EME)
Match Ecgonine methyl ester (EME) BP 82 (99.9% = 100%) in PPDLAB

CAS No. 106293-60-1, C17H17NO3, MW 199

BP 82 (99.9% = 100%) in PPDLAB

Match: 92710102
BP 82 (999=100%) in PPD Lab

Match: 9371

Match: 9

R.Match: 10102

Operator : DS  Detector Type: 3800 (10 Volts)
Workstation: 4000WS  Bus Address : 44
Instrument : Varian 4000 GC/MS  Sample Rate : 10.00 Hz
Channel : Middle = TSD  Run Time : 11.990 min

** MS Workstation Version 6.9 **

Chart Speed = 2.33 cm/min  Attenuation = 25  Zero Offset = 11%
Start Time = 3.300 min  End Time = 11.990 min  Min / Tick = 1.00

---

Title : 
Run File : c:\varianws\ppdlab s4000 data\cab-qaqc\drug stds\coc std\cocaine std -112911  11-29-2011 11-06-25 am.run 
Method File : C:\VarianWS\PDLAB S4000 methods\hydrocodone-dual.mth 
Sample ID : Cocaine std -112911 

---

Cocaine

---

**Volts**

---

mVolts

---

<WI=4.0

<WI=2.0

---

6.746
**Run File:** C:\Varian\PPDLAMS4DODdata\cab—qaqc\drugstds\cocstd\cocainestd—112911l—29—2D11ll—D6—25am.run

**Method File:** C:\Varian\PPDLAMS4DODmethods\hydrocodone—dual.mth

**Sample ID:** Cocainestd—112911

**Injection Date:** 11/29/2011 11:06 AM

**Calculation Date:** 11/29/2011 11:18 AM

**MS Workstation Version:** 6.9 03501—3DF1—3DA—4545

**RunMode:** Analysis-SubtractBlankBaseline

**Peak Measurement:** PeakHeight

**Calculation Type:** Percent

**Multiplier:** 1

**Divisor:** 1

**Identified Peaks:** 1

**Rejected Peaks:** 18

**Total Unidentified Counts:** 26249 counts

**Multiplier:** 1

**Divisor:** 1

**Baseline Offset:** —11 microVolts SH: 1 microVolts

**Mode (used):** 16 microVolts — monitored before this run

**Operator:** DS

**Workstation:** 4000WS

**Instrument:** Varian 4000 GC/MS

**Channel:** Middle=TSD

**Detector Type:** 3800 (10 Volts)

**Bus Address:** 44

**Sample Rate:** 10.00 Hz

**Run Time:** 11.990 min

<table>
<thead>
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<th>Sep. (mm)</th>
<th>Width (mm)</th>
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<th>Code(s)</th>
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**Totals:** Ret. Time Width Sep. 1/2

**Status Codes**

- **Unidentified Peak Factor:** 0

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**Print Date:** Thu Dec 15 11:25:55 2011

Page 1 of 1