

Name: Drospirenone EP Impurity E
((17*R*)-Drospirenone)

Lot#: GR-16-149

Test Date: 10/01/2021 (re-test date: 10/01/2026)

CAS No.: 90457-65-1

MF: C₂₄H₃₀O₃

MW: 366.49

Appearance: White solid

Purity: 97.7% by HPLC (average of two sample preparations)

¹H-NMR: Conforms

MS-MALDI (+) Conforms (shows peaks at m/z = 367.21 [M+H]⁺ & 379.09 [M+Na]⁺)

Storage Store at 0-8°C in a dry place away from direct sunlight

Approved by:

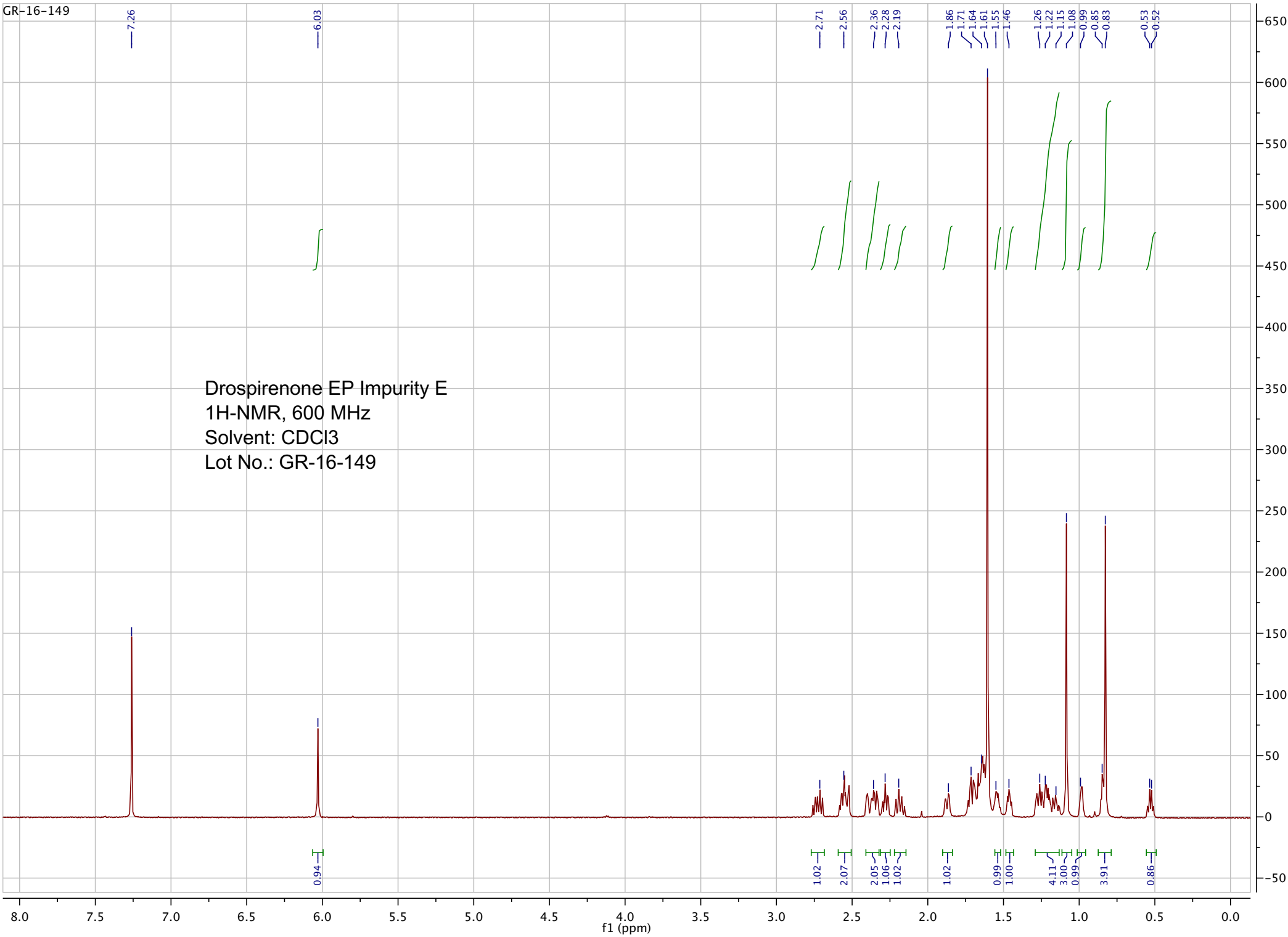
Date: 10/12/2021



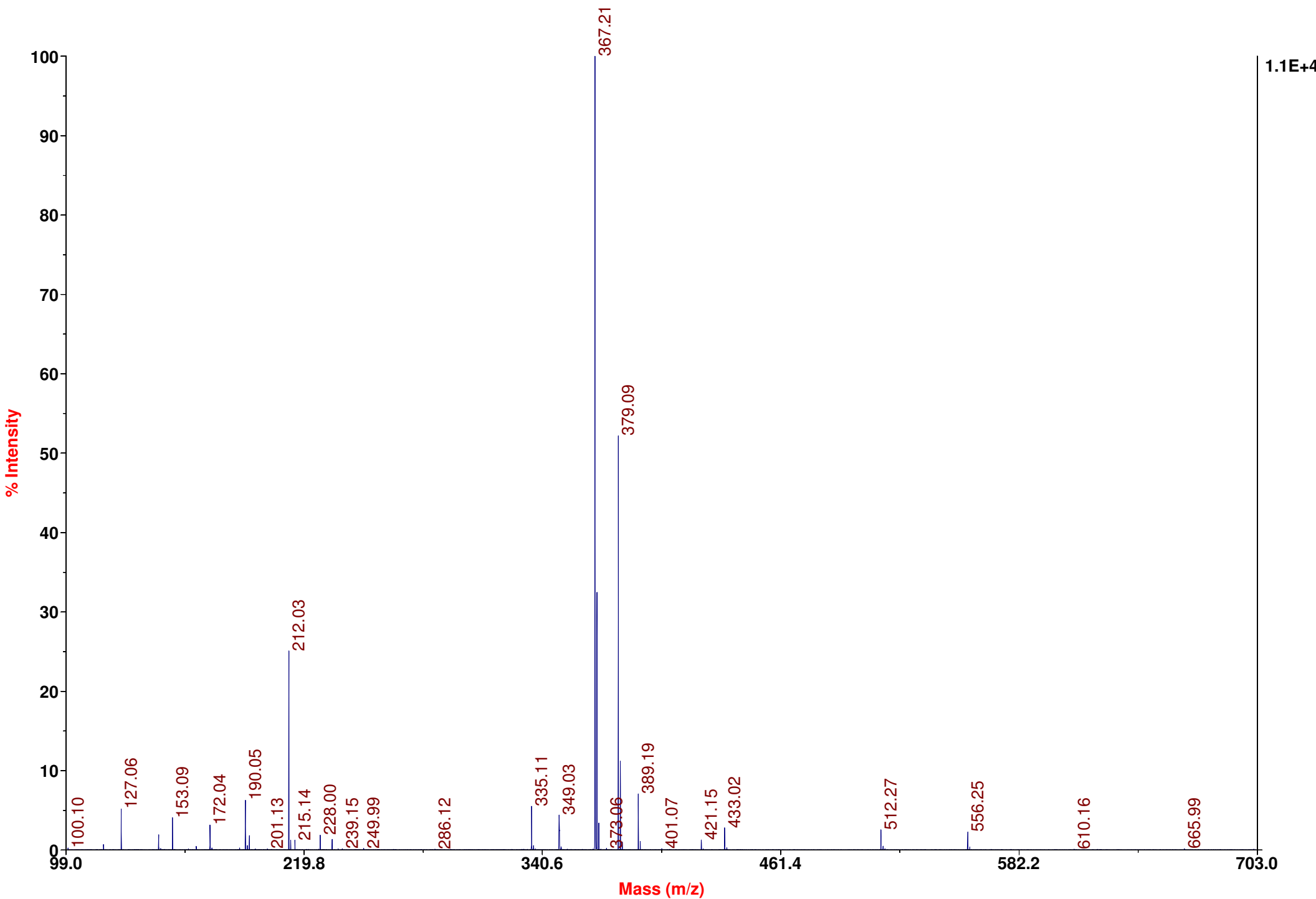
Viorica Rusu, QC/QA Manager

GR-16-149

Drospirenone EP Impurity E
1H-NMR, 600 MHz
Solvent: CDCl3
Lot No.: GR-16-149

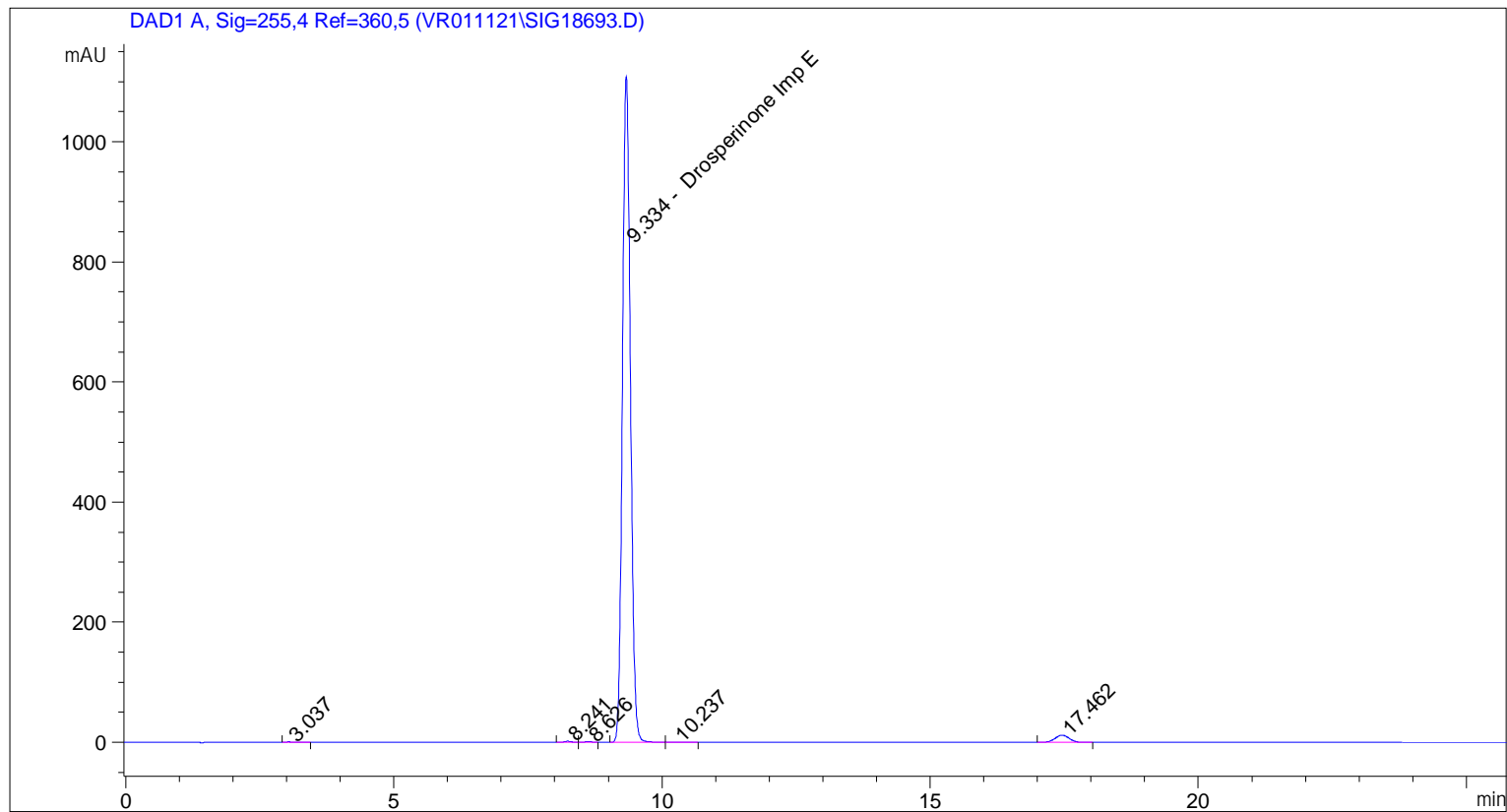


TOF/TOF™ Reflector Spec #1 MC[BP = 367.2, 11038]



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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 73
Injection Date  : 10/1/2021 9:04:16 AM
                                           Inj Volume : 10.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR093021_149.M
Last changed   : 10/1/2021 9:03:19 AM by vrusu
Analysis Method: C:\CHEM32\1\METHODS\VR100121_149PM.M
Last changed   : 10/1/2021 1:11:14 PM by vrusu
  
```



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 Area Percent Report
 =====

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Sorted By      :      Signal
Calib. Data Modified : 10/1/2021 1:09:40 PM
Multiplier:    :      1.0000
Dilution:     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=255,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.037	BB	0.0813	4.99992	0.0425	?
2	8.241	BV	0.1405	17.60231	0.1496	?
3	8.626	VV	0.1509	12.02624	0.1022	?
4	9.334	BV	0.1631	1.14960e4	97.7278	Drosperinone Imp E
5	10.237	VB	0.1961	8.49735	0.0722	?
6	17.462	BB	0.2918	224.15962	1.9056	?

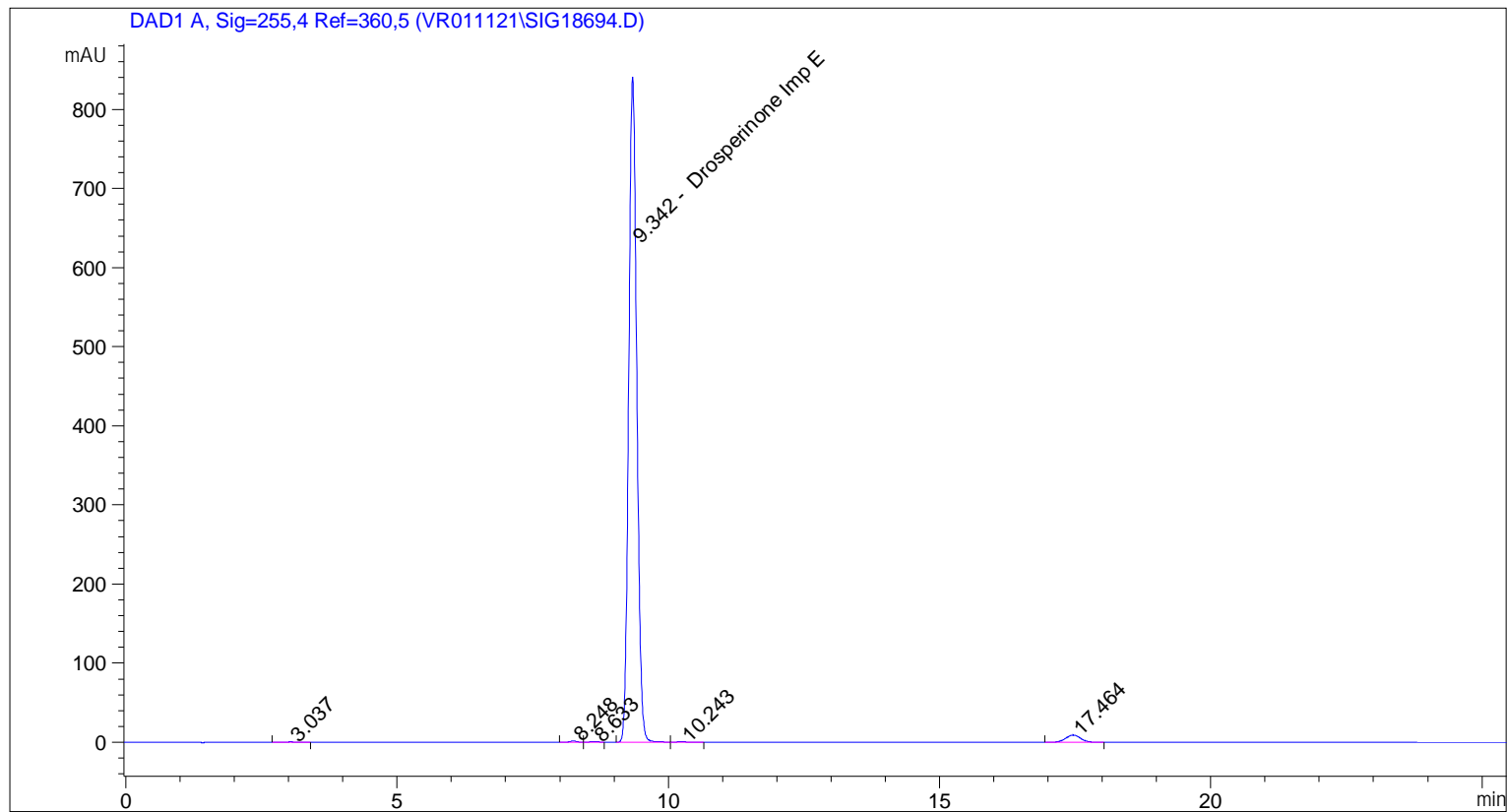
Totals : 1.17633e4

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*** End of Report ***

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 74
Injection Date  : 10/1/2021 9:33:26 AM
                                           Inj Volume : 10.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR093021_149.M
Last changed    : 10/1/2021 9:32:19 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR100121_149PM.M
Last changed    : 10/1/2021 1:11:14 PM by vrusu
  
```



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 Area Percent Report
 =====

```

Sorted By           :      Signal
Calib. Data Modified :      10/1/2021 1:09:40 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=255,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.037	BB	0.0942	4.37803	0.0492	?
2	8.248	BV	0.1410	13.31289	0.1495	?
3	8.633	VV	0.1502	8.69357	0.0977	?
4	9.342	BV	0.1606	8697.39258	97.6952	Drosperinone Imp E
5	10.243	VB	0.2178	7.67213	0.0862	?
6	17.464	BB	0.2924	171.13261	1.9223	?

Totals : 8902.58181

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*** End of Report ***