

<b>Name:</b>	Trimethoprim-D3
<b>Lot#:</b>	GR-12-057
<b>Test Date:</b>	07/11/2023 (re-test date: 07/11/2028)
<b>CAS No.:</b>	1189923-38-3
<b>MF:</b>	C <sub>14</sub> H <sub>15</sub> D <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
<b>MW:</b>	293.34
<b>Appearance:</b>	Yellow Solid
<b>Purity:</b>	99.2% by HPLC (average of two sample preparations); 99% atom D
<b><sup>1</sup>H-NMR:</b>	Conforms
<b>MS-ESI (+)</b>	Conforms (shows peak at m/z = 294.21 [M+H] <sup>+</sup> )
<b>Storage</b>	Long term store at -18° C in a dry place away from direct sunlight

Approved by:

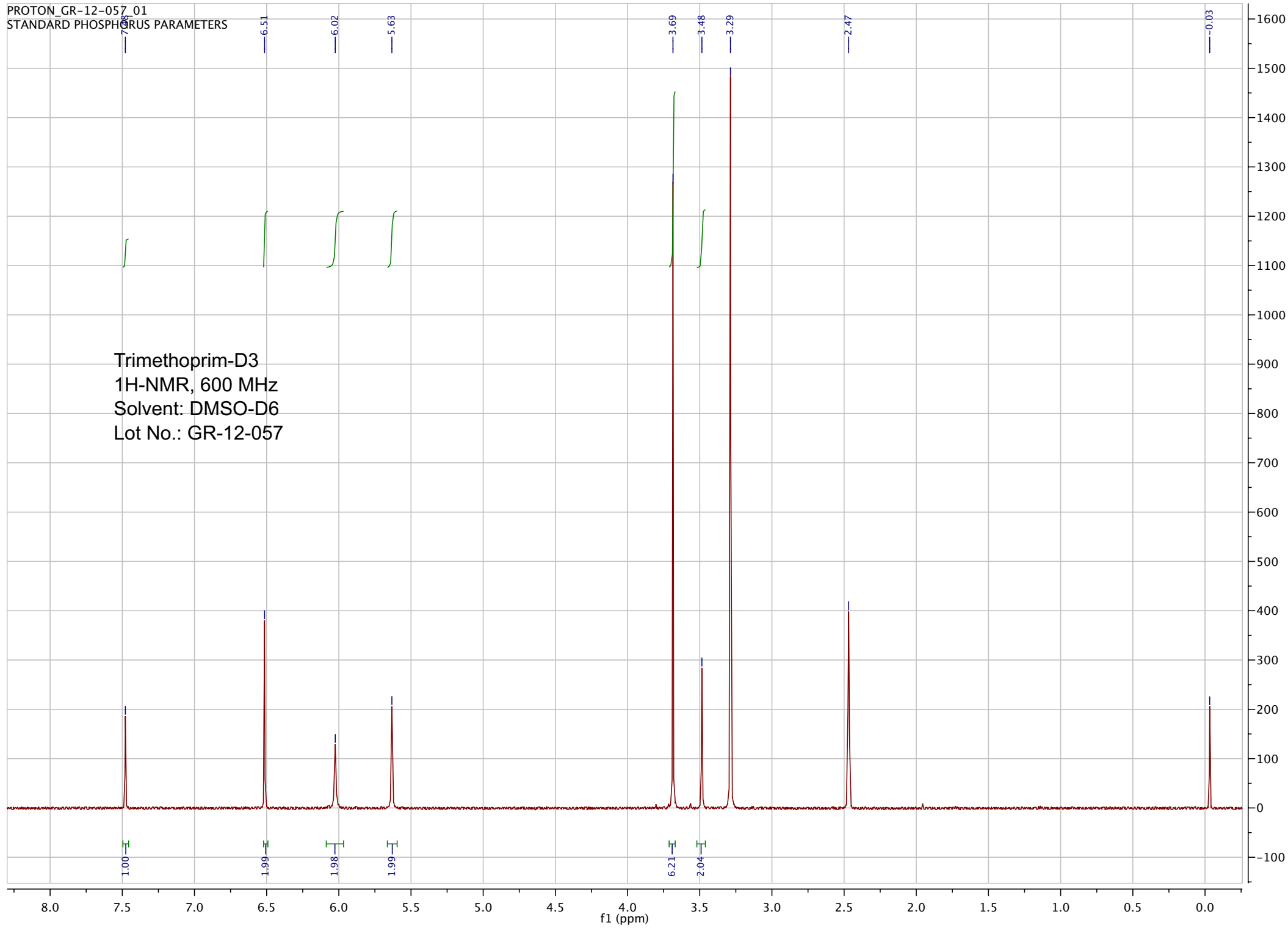
Date: 07/12/2023



Viorica Rusu, QC/QA Manager

PROTON\_GR-12-057\_01  
STANDARD PHOSPHORUS PARAMETERS

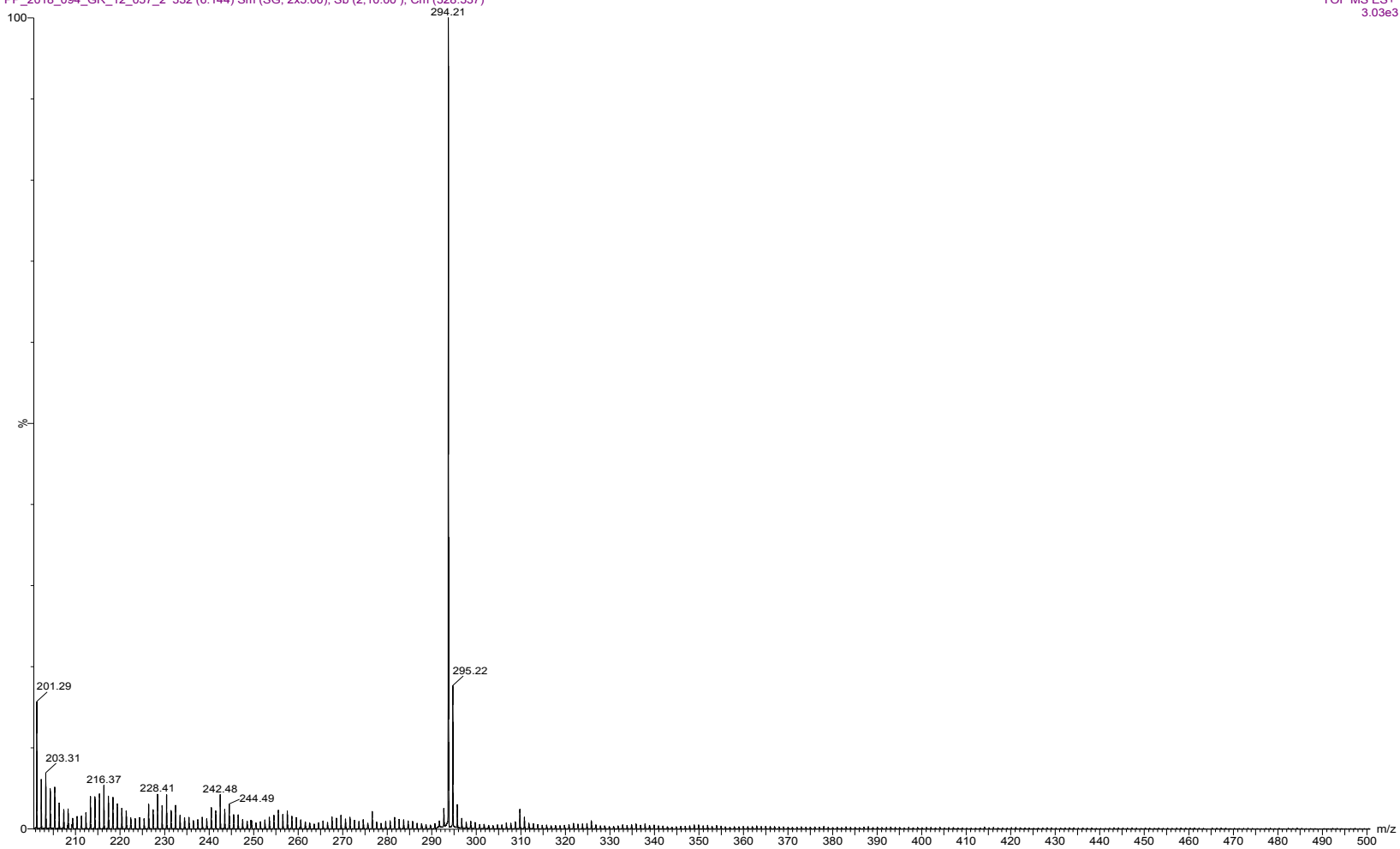
Trimethoprim-D3  
1H-NMR, 600 MHz  
Solvent: DMSO-D6  
Lot No.: GR-12-057



PP\_2018\_094\_GR\_12\_057\_2 332 (6.144) Sm (SG, 2x5.00); Sb (2,10.00 ); Cm (328;337)

7.0000000

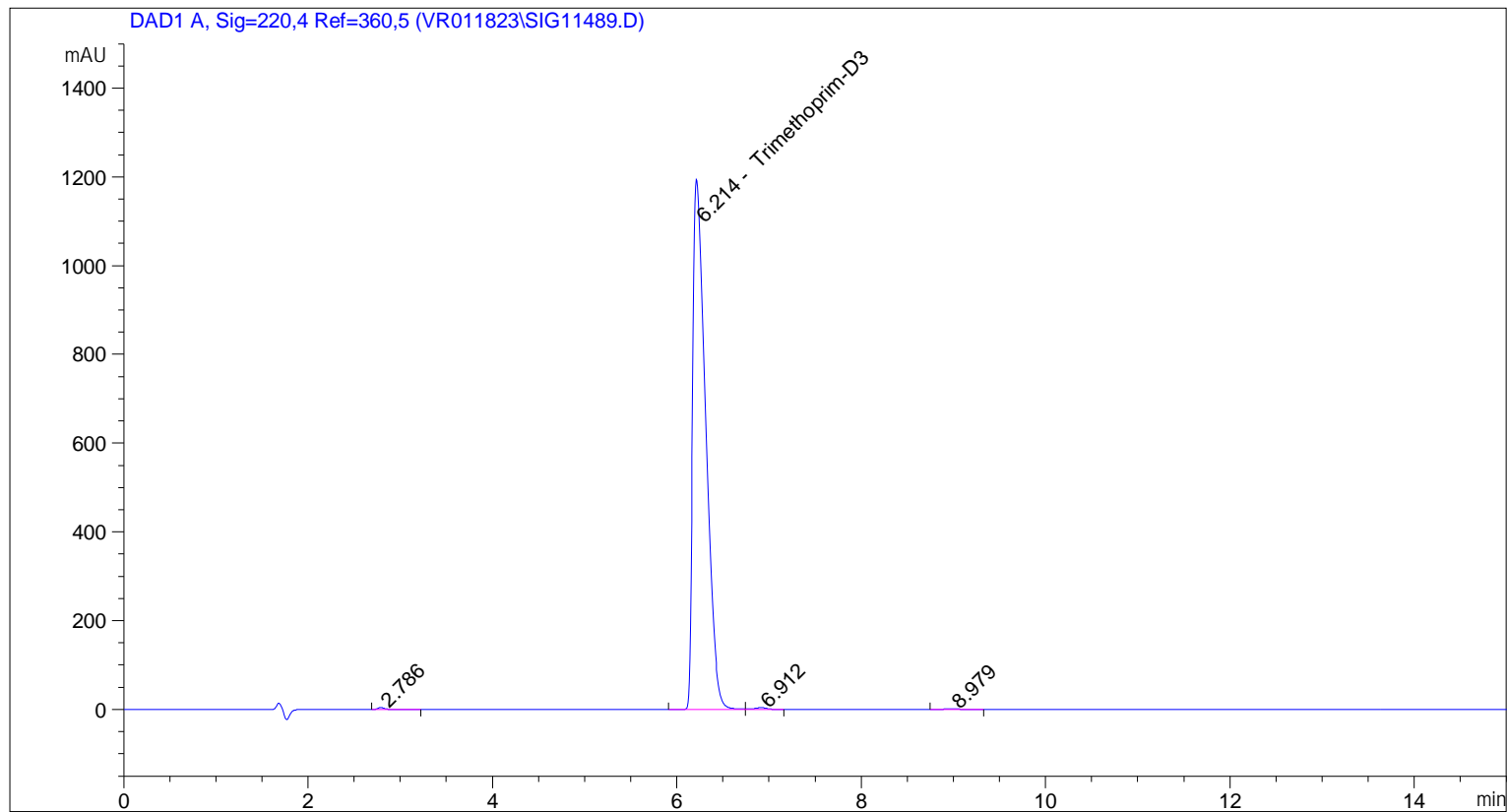
23-Aug-2018, 12:16:52  
TOF MS ES+  
3.03e3



ESI-MS spectrum for sample GR-12-057. Shows monoisotopic  $[M+H]^+$  mass.

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 54
Injection Date  : 7/11/2023 9:07:18 AM
                                           Inj Volume : 3.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR071123_057PM.M
Last changed    : 7/11/2023 9:06:16 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR071123_057_PM.M
Last changed    : 7/11/2023 9:44:48 AM by vrusu
  
```



=====  
 Area Percent Report  
 =====

```

Sorted By           :      Signal
Calib. Data Modified :      7/11/2023 9:42:50 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.786	BB	0.0872	28.12033	0.2383	?
2	6.214	BV	0.1503	1.17093e4	99.2413	Trimethoprim-D3
3	6.912	VB	0.1469	41.06955	0.3481	?
4	8.979	BB	0.1597	20.32242	0.1722	?

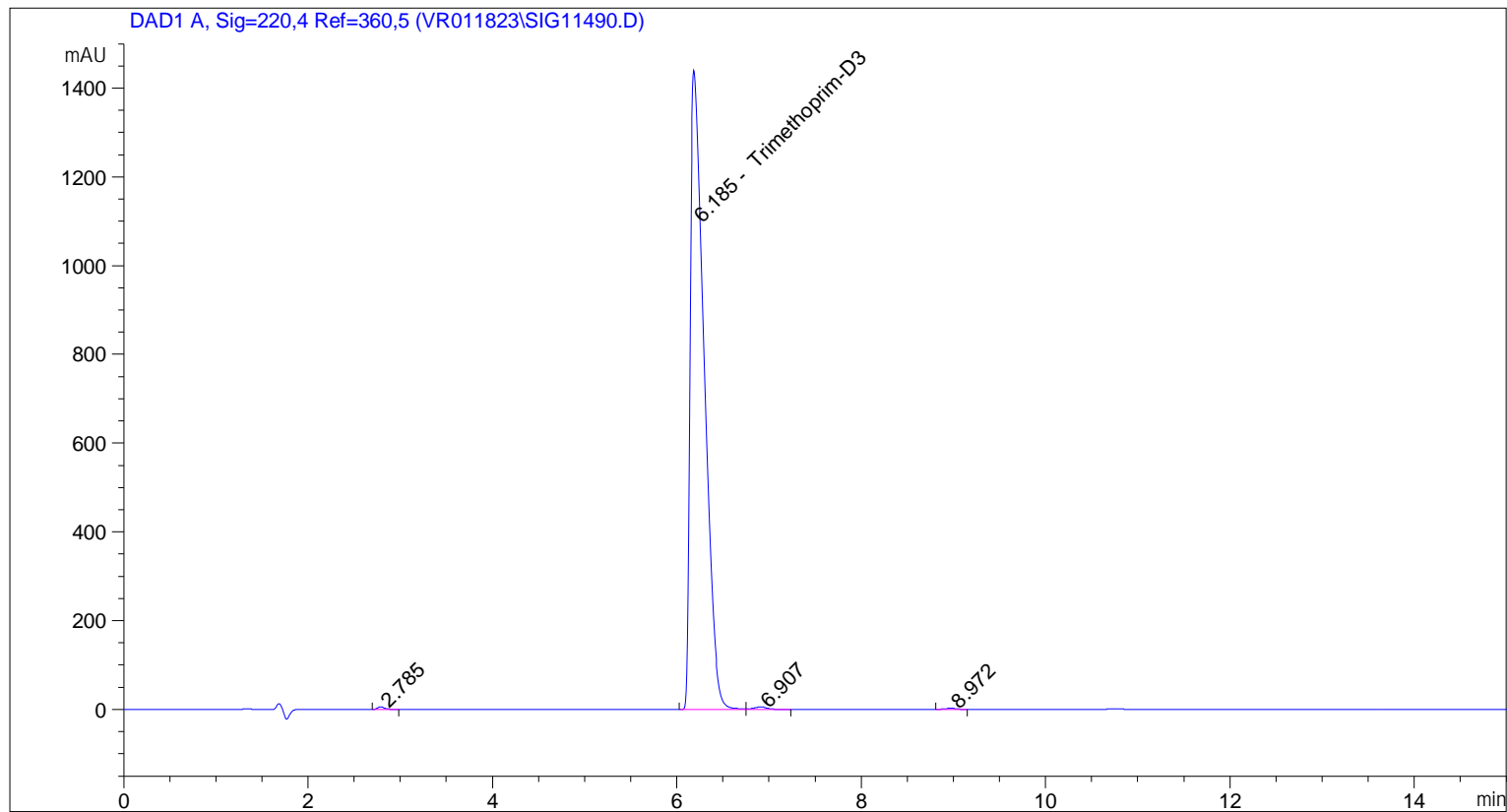
Totals : 1.17988e4

=====

\*\*\* End of Report \*\*\*

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 55
Injection Date  : 7/11/2023 9:24:06 AM
                                           Inj Volume : 3.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR071123_057PM.M
Last changed    : 7/11/2023 9:23:05 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR071123_057_PM.M
Last changed    : 7/11/2023 9:44:48 AM by vrusu
  
```



=====  
 Area Percent Report  
 =====

```

Sorted By      : Signal
Calib. Data Modified : 7/11/2023 9:42:50 AM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.785	BB	0.0783	31.38374	0.2038	?
2	6.185	BV	0.1638	1.52878e4	99.2833	Trimethoprim-D3
3	6.907	VB	0.1559	56.92609	0.3697	?
4	8.972	BB	0.1436	22.05162	0.1432	?

Totals : 1.53982e4

=====

\*\*\* End of Report \*\*\*