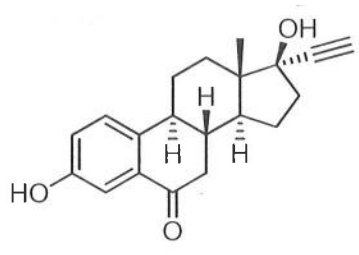


## Certificate of Analysis

<b>Name of Product:</b> 6-Keto-ethynylestradiol		<b>Lot Number:</b> SC-01-11-022823
<b>Manufacture Date:</b> 02/28/23	<b>Retested On:</b> N/A	<b>Next Retest Date:</b> 02/27/26
<b>Recommended Storage Conditions:</b>		
<input type="checkbox"/> Ambient atmosphere <input checked="" type="checkbox"/> Inert atmosphere <input type="checkbox"/> Ambient temperature <input checked="" type="checkbox"/> 0-10°C (refrigeration) <input type="checkbox"/> -20°C or below (freezer)		

<b>Structure:</b>  	<b>Molecular Formula:</b> C <sub>20</sub> H <sub>22</sub> O <sub>3</sub>
	<b>Molecular Weight:</b> 310.40
	<b>CAS Number:</b> 38002-18-5


**Appearance:** Light yellow solid

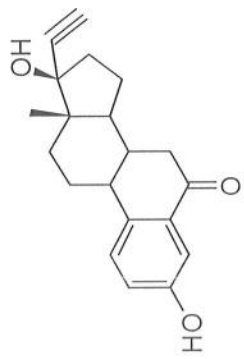
**Identity:** <sup>1</sup>H-NMR - conforms to structure

**MS(ESI+ve):** [M+H]<sup>+</sup> = 311.19 - conforms to structure

**HPLC Purity:** 99.9% by AUC at 254 nm (LC/MS)

**Dalton Pharma Services hereby certifies that the above information is authentic and accurate.**

 _____ Zemin Li, Ph.D., R&D Chemistry Supervisor	Date: 03/06/23
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C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>

SC  
02/02/23

- 3.376
- 3.331
- 2.887
- 2.729
- 2.500
- 2.420
- 2.295
- 2.116
- 1.828
- 1.714
- 1.400
- 1.268
- 0.744

- 9.585
- 7.296
- 7.261
- 7.003
- 5.377

- 68.0
- 69.0
- 0.19
- 3.14
- 1.09
- 6.20
- 2.15
- 3.11

ppm (t1)

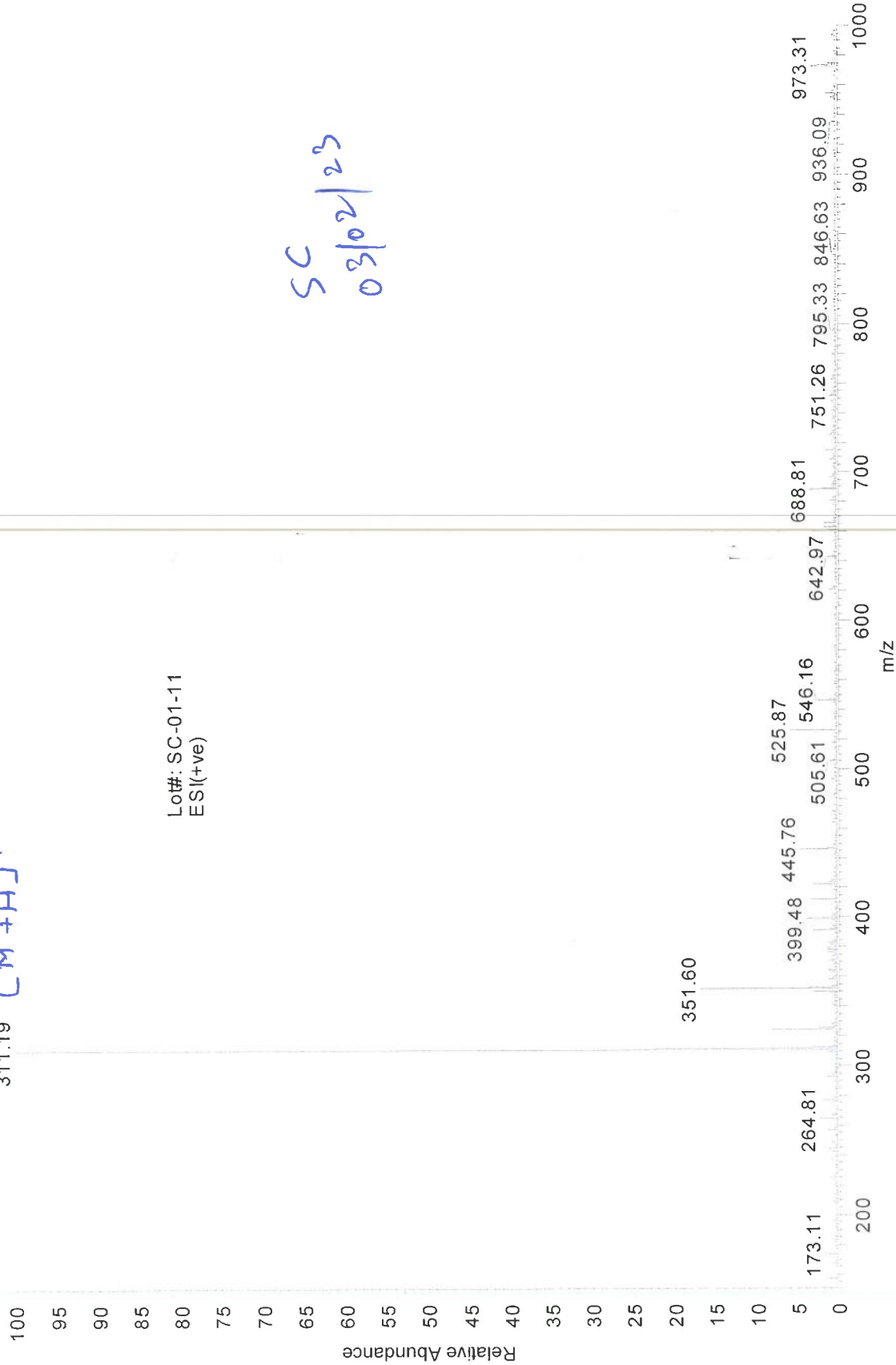
C:\Dalton\data\022823\SC-01-11

2/28/2023 10:31:35 AM

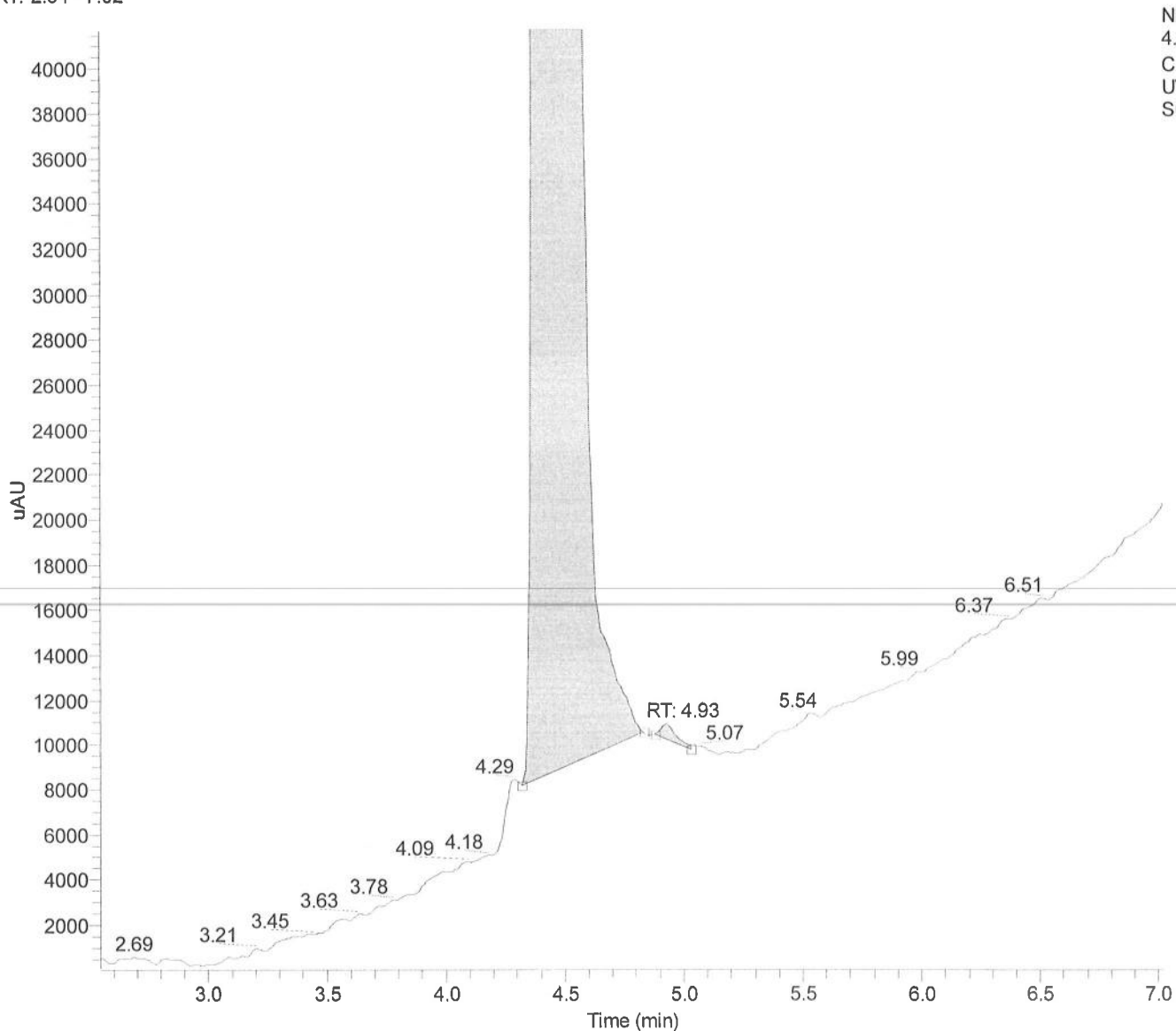
SC-01-11 #163-169 RT: 4.41-4.57 AV: 7 NL: 2.06E7  
T: + cESI Full ms [50.00-2000.00]  
311.19 [M+H]<sup>+</sup>

Lo#: SC-01-11  
ES(+ve)

SC  
03/02/23



RT: 2.54 - 7.02



NL:  
4.35E5  
Channel B  
UV  
SC-01-11

PEAK LIST

SC-01-11.RAW

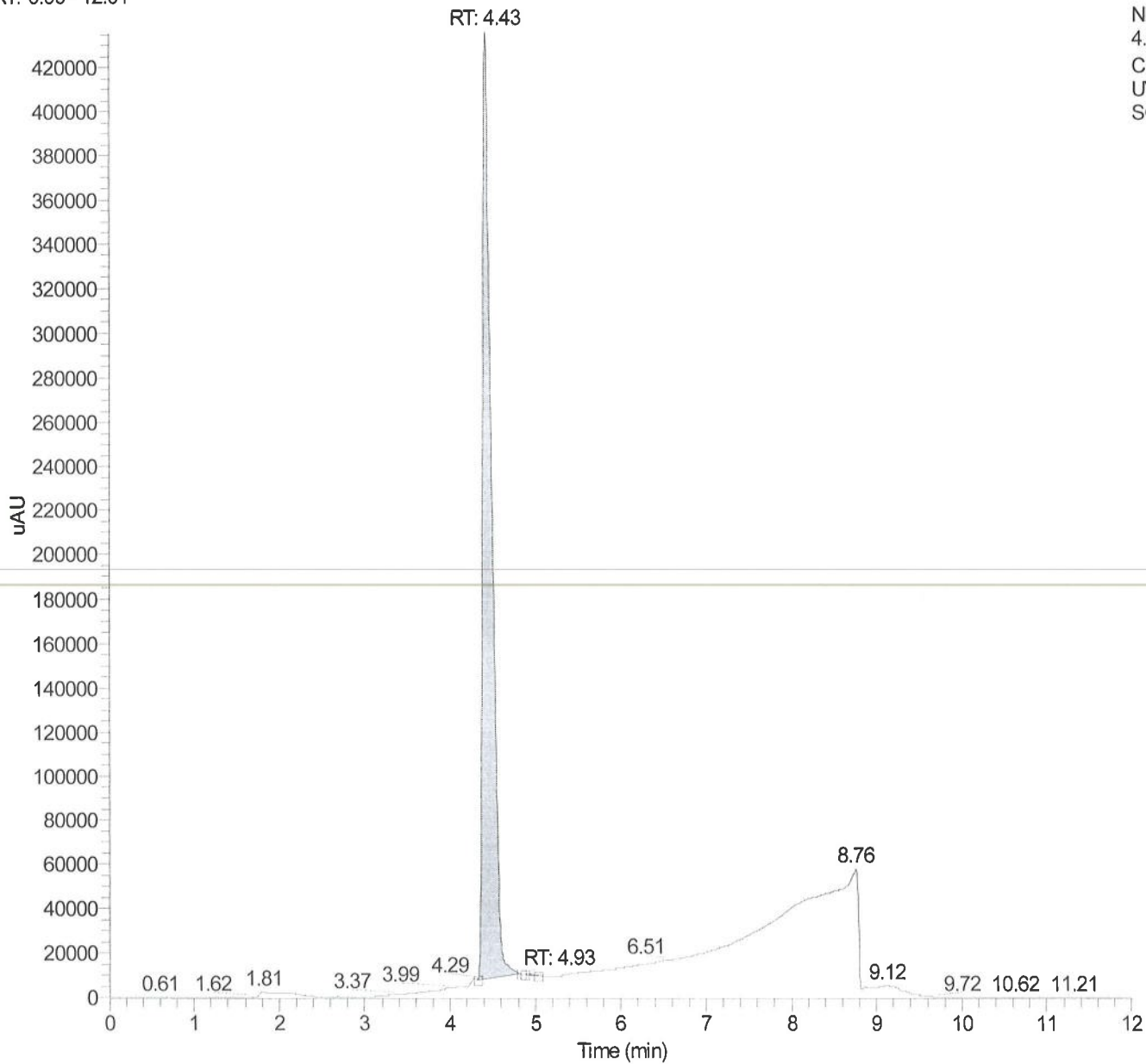
RT: 0.00 - 12.01

Number of detected peaks: 2 @ 254 nm Wavelength

Apex RT	Start RT	End RT	Area	%Area	Height	%Height
4.43	4.32	4.83	3143268.423	99.90	426388.659	99.84
4.93	4.88	5.03	3142.269	0.10	690.650	0.16

SC  
03/02/23

RT: 0.00 - 12.01



NL:  
4.35E5  
Channel B  
UV  
SC-01-11

PEAK LIST

SC-01-11.RAW

RT: 0.00 - 12.01

Number of detected peaks: 2 @ 254 nm Wavelength

Apex RT	Start RT	End RT	Area	%Area	Height	%Height
4.43	4.32	4.83	3143268.423	99.90	426388.659	99.84
4.93	4.88	5.03	3142.269	0.10	690.650	0.16

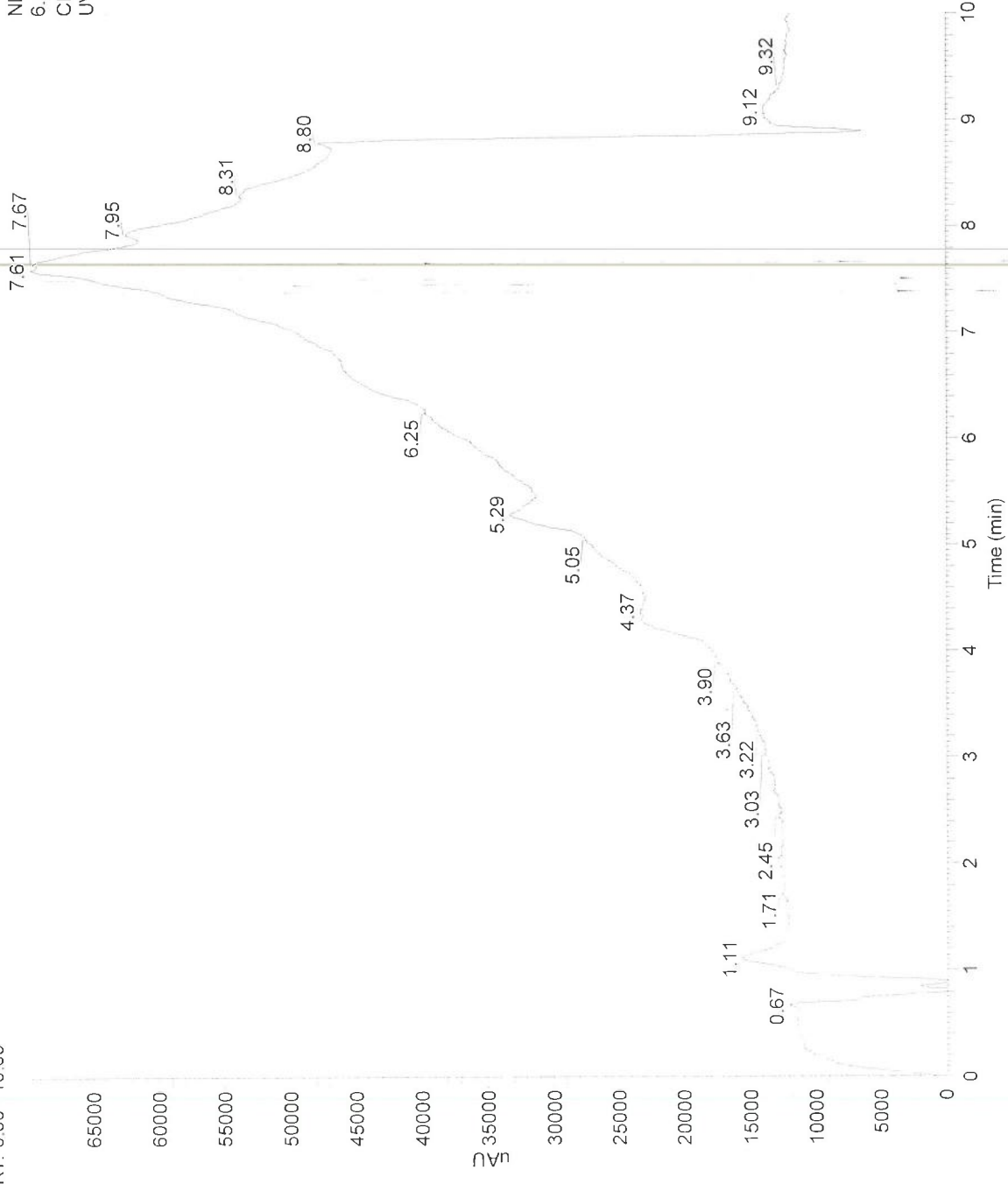
SC  
03/02/23

C:\Dalton\data\020823\Blank01

2/8/2023 3:07:43 AM

RT: 0.00 - 10.00

NL:  
6.96E4  
Channel B  
UV Blank01



SC  
03/02/23