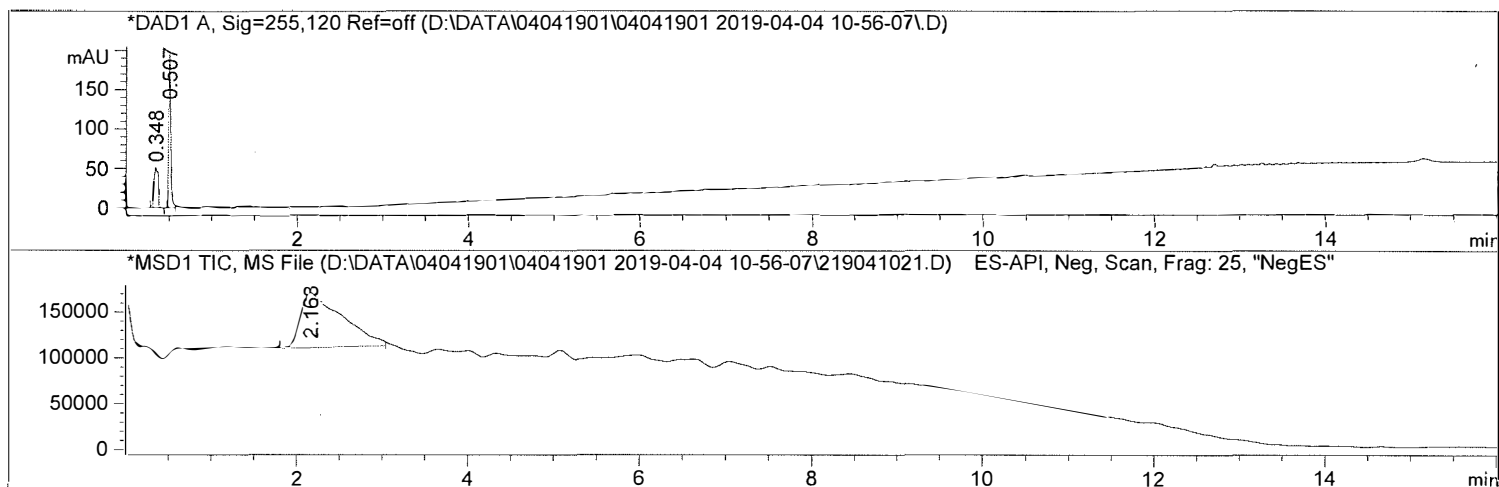


Name: PFOS-019S

```
=====
Acq. Operator   : SYSTEM                               Seq. Line :    1
Acq. Instrument : LCMS-1                               Location  : P1-D6
Injection Date  : 4/4/2019 10:57:13 AM                Inj       :    1
                                                    Inj Volume: 1.000 µl
Different Inj Volume from Sample Entry! Actual Inj Volume : 5.000 µl
Acq. Method     : D:\DATA\04041901\04041901 2019-04-04 10-56-07\PFAs.M
Last changed    : 4/4/2019 10:56:07 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\Purity195_315.M
Last changed    : 4/4/2019 11:25:12 AM by SYSTEM
                (modified after loading)
Method Info     : Operator: GA
                Gradient Method Starting @ 100 % Water/0 % Acetonitrile to 0 % Water/100 %
                Acetonitrile in 13 min, then 3 min at 100/0, post-run time 2 min. Flow
                rate:0.3 ml/min, column Zorbax Eclipse Plus C-18, 2.1x50 mm, 1.8 micron
                particule size. Agilent 1290 Infinity II LC system, Agilent 6120 Quadropole
                MS Detector. No UV Reference.
```

Sample Info : Penflufen



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

```
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=255,120 Ref=off  
 Signal has been modified after loading from rawdata file!

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.348	BB	0.0492	174.13016	50.48877	34.5778
2	0.507	BB	0.0259	329.45959	192.66721	65.4222

Totals : 503.58975 243.15597

Sample Name: PFOS-019S (219041021)

=====

Acq. Operator	: SYSTEM	Seq. Line	: 1
Acq. Instrument	: LCMS-1	Location	: P1-D6
Injection Date	: 4/4/2019 10:57:13 AM	Inj	: 1
		Inj Volume	: 1.000 µl

Different Inj Volume from Sample Entry! Actual Inj Volume : 5.000 µl

Acq. Method	: D:\DATA\04041901\04041901 2019-04-04 10-56-07\PFAAs.M
Last changed	: 4/4/2019 10:56:07 AM by SYSTEM
Analysis Method	: C:\CHEM32\1\METHODS\Purity195_315.M
Last changed	: 4/4/2019 11:25:12 AM by SYSTEM
	(modified after loading)

Method Info : Operator: GA

Gradient Method Starting @ 100 % Water/0 % Acetonitrile to 0 % Water/100 % Acetonitrile in 13 min, then 3 min at 100/0, post-run time 2 min. Flow rate:0.3 ml/min, column Zorbax Eclipse Plus C-18, 2.1x50 mm, 1.8 micron particule size. Agilent 1290 Infinity II LC system, Agilent 6120 Quadropole MS Detector. No UV Reference.

Sample Info : Penflufen

Signal 2: MSD1 TIC, MS File

Signal has been modified after loading from rawdata file!

Peak #	RetTime [min]	Type	Width [min]	Area	Height	Area %
1	2.163	BB	0.4485	1.96694e6	5.87308e4	100.0000

Totals : 1.96694e6 5.87308e4

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

=====

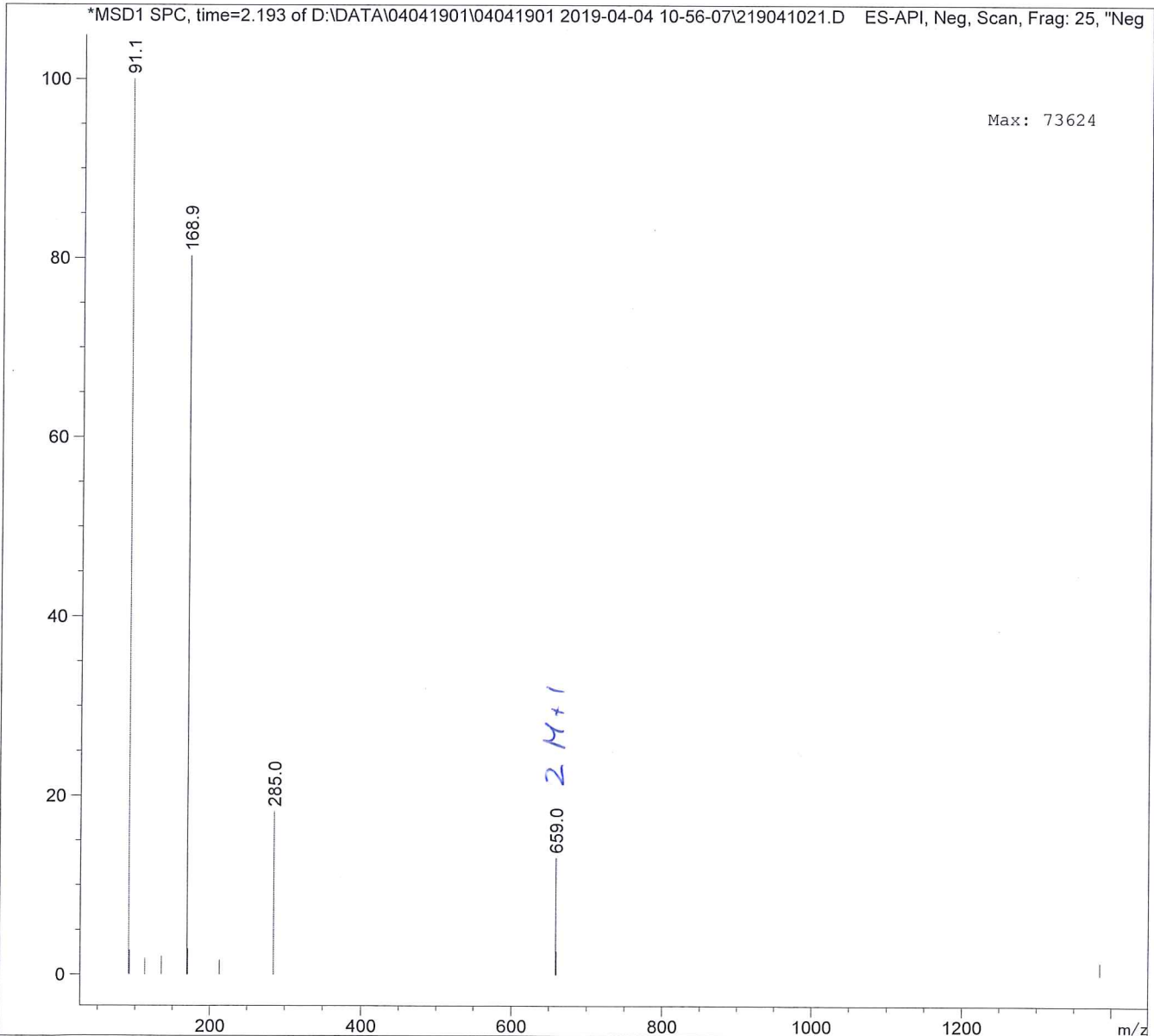
Acq. Operator : SYSTEM	Seq. Line : 1
Acq. Instrument : LCMS-1	Location : P1-D6
Injection Date : 4/4/2019 10:57:13 AM	Inj : 1
	Inj Volume : 1.000 µl

Different Inj Volume from Sample Entry! Actual Inj Volume : 5.000 µl  
Acq. Method : D:\DATA\04041901\04041901 2019-04-04 10-56-07\PFAAs.M  
Last changed : 4/4/2019 10:56:07 AM by SYSTEM  
Analysis Method : C:\CHEM32\1\METHODS\Purity195\_315.M  
Last changed : 4/4/2019 11:24:27 AM by SYSTEM  
(modified after loading)

Method Info : Operator: GA  
Gradient Method Starting @ 100 % Water/0 % Acetonitrile to 0 % Water/100 % Acetonitrile in 13 min, then 3 min at 100/0, post-run time 2 min. Flow rate:0.3 ml/min, column Zorbax Eclipse Plus C-18, 2.1x50 mm, 1.8 micron particule size. Agilent 1290 Infinity II LC system, Agilent 6120 Quadropole MS Detector. No UV Reference.

Sample Info : Penflufen

MS Spectrum



Catalog No: PFOS-019S  
 Description: Ammonium perfluoro(2-methyl-3-oxahexanoate)  
 (GenX)  
 Lot: 219041021  
 Solvent: Methanol  
 Hazards: Refer to SDS for complete safety information

Date Certified:  
 Expiration:  
 Sample Size: 1 mL  
 Components: 1  
 Storage Condition: Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



Component	CAS #	Purity % (HPLC)	Prepared Concentration <sup>2</sup> (µg/mL)	Certified Analyte Concentration <sup>1</sup> (µg/mL)
Ammonium perfluoro(2-methyl-3-oxahexanoate) (GenX)	N/A	89.5	112.6*	100.8

\* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

<sup>2</sup> All weights are traceable through NIST, Test No. 684/289871-17

<sup>1</sup> Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

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