

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
Data File : PD049222.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Sep 2018 13:56
Operator : AJ\SJ
Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

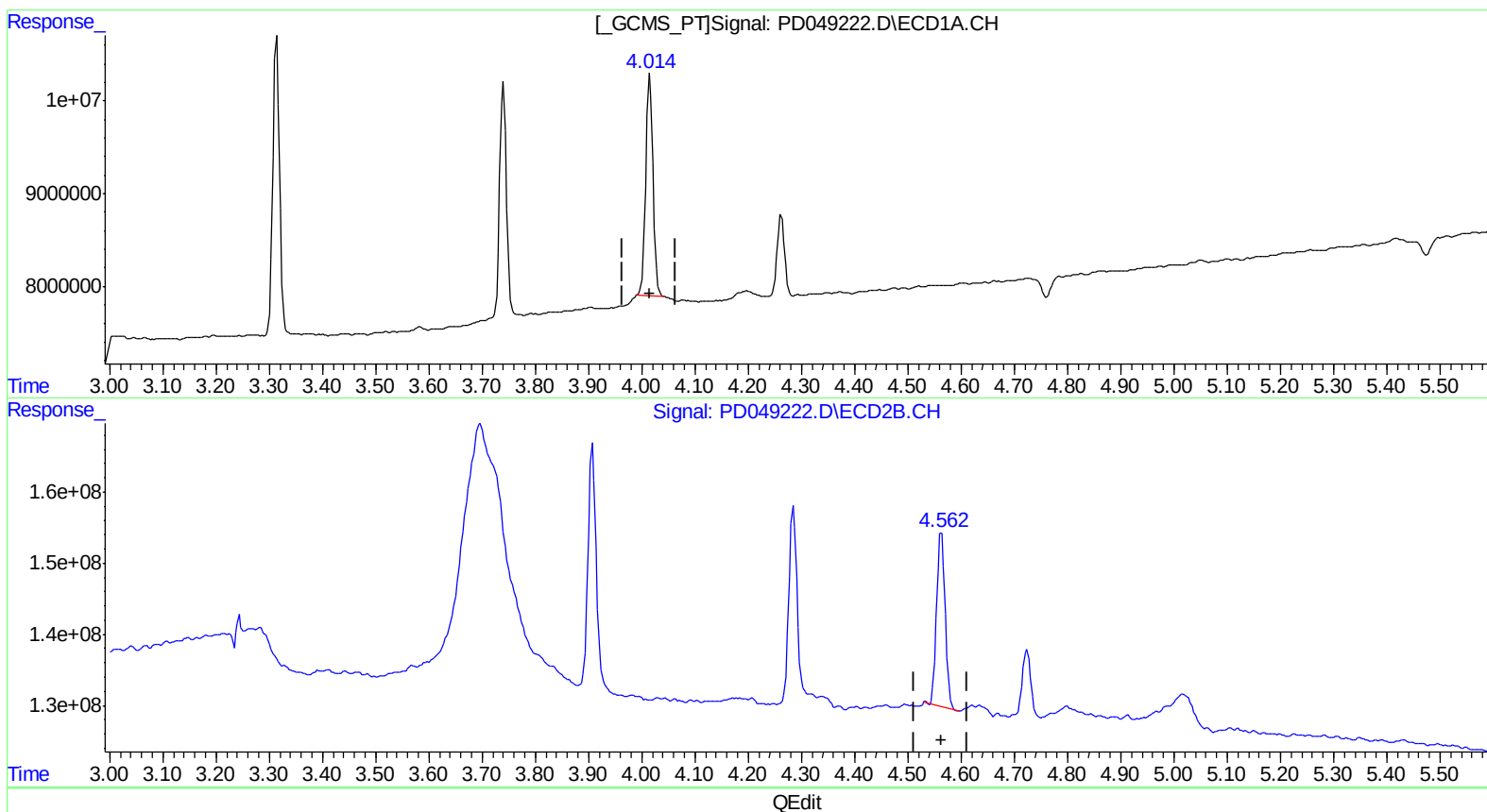
Instrument :
ECD_D
LabSampleId :
PEM02

Manual Integrations
APPROVED

Sohil
9/18/2018 8:56:07 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 15 01:03:01 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091418CLP.M
Quant Title : GC Extractables
QLast Update : Sat Sep 15 00:46:11 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(3) gamma-BHC (Lindane) (MA)

4.015min 9.565 ng/ml

response 22030799

(3) gamma-BHC (Lindane) #2 (MA)

4.563min 9.712 ng/ml

response 268861954

(+) = Expected Retention Time

PD091418CLP.M Sat Sep 15 01:03:35 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
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Acq On : 14 Sep 2018 13:56
Operator : AJ\SJ
Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

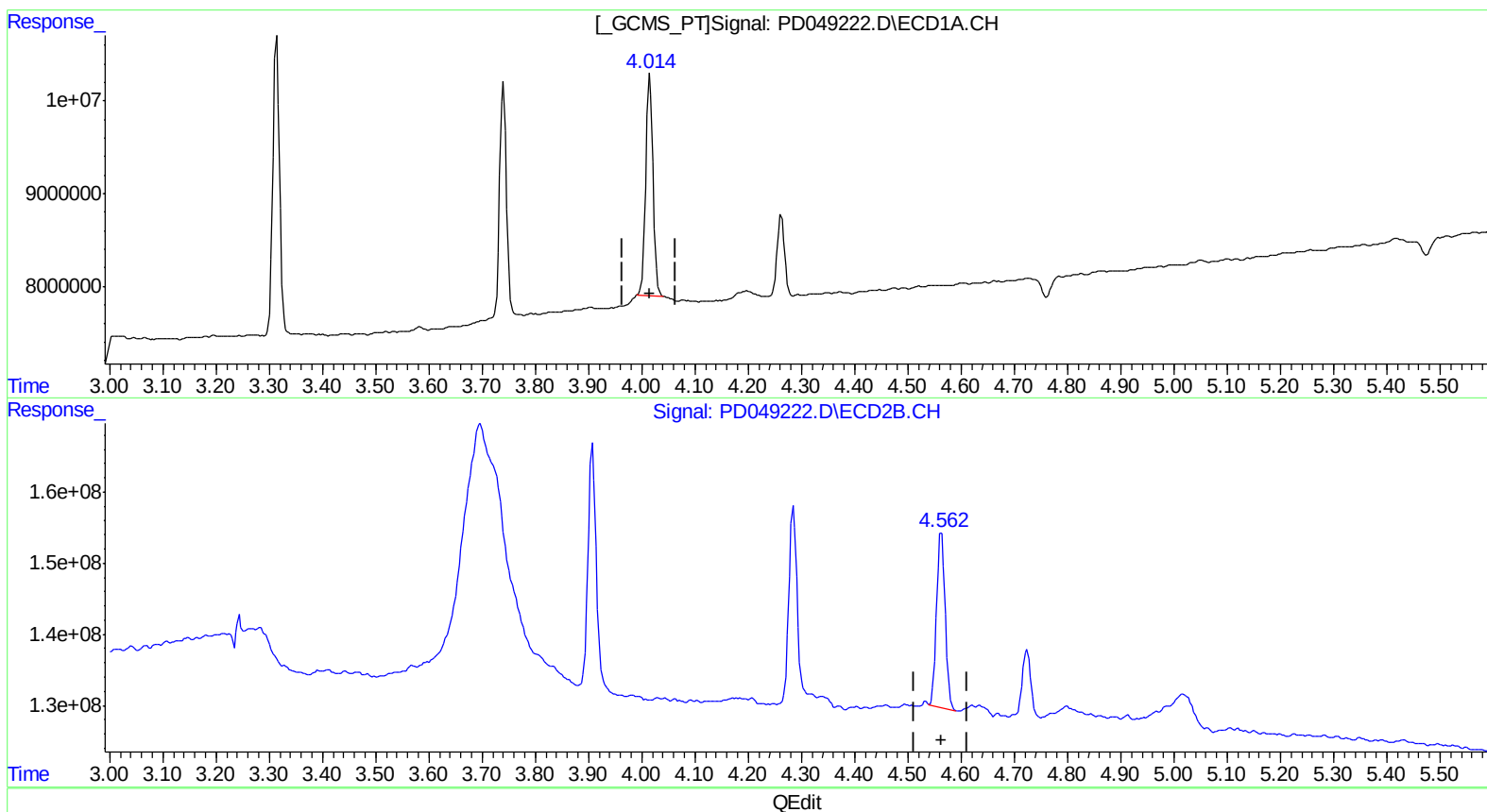
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LabSampleId :
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Integration File signal 1: autoint1.e
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Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(3) gamma-BHC (Lindane) (MA)

4.015min 9.565 ng/ml

response 22030799

(3) gamma-BHC (Lindane) #2 (MA)

4.562min 9.796 ng/ml m

response 271170111

(+) = Expected Retention Time

PD091418CLP.M Sat Sep 15 01:03:48 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
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Acq On : 14 Sep 2018 13:56
Operator : AJ\SJ
Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

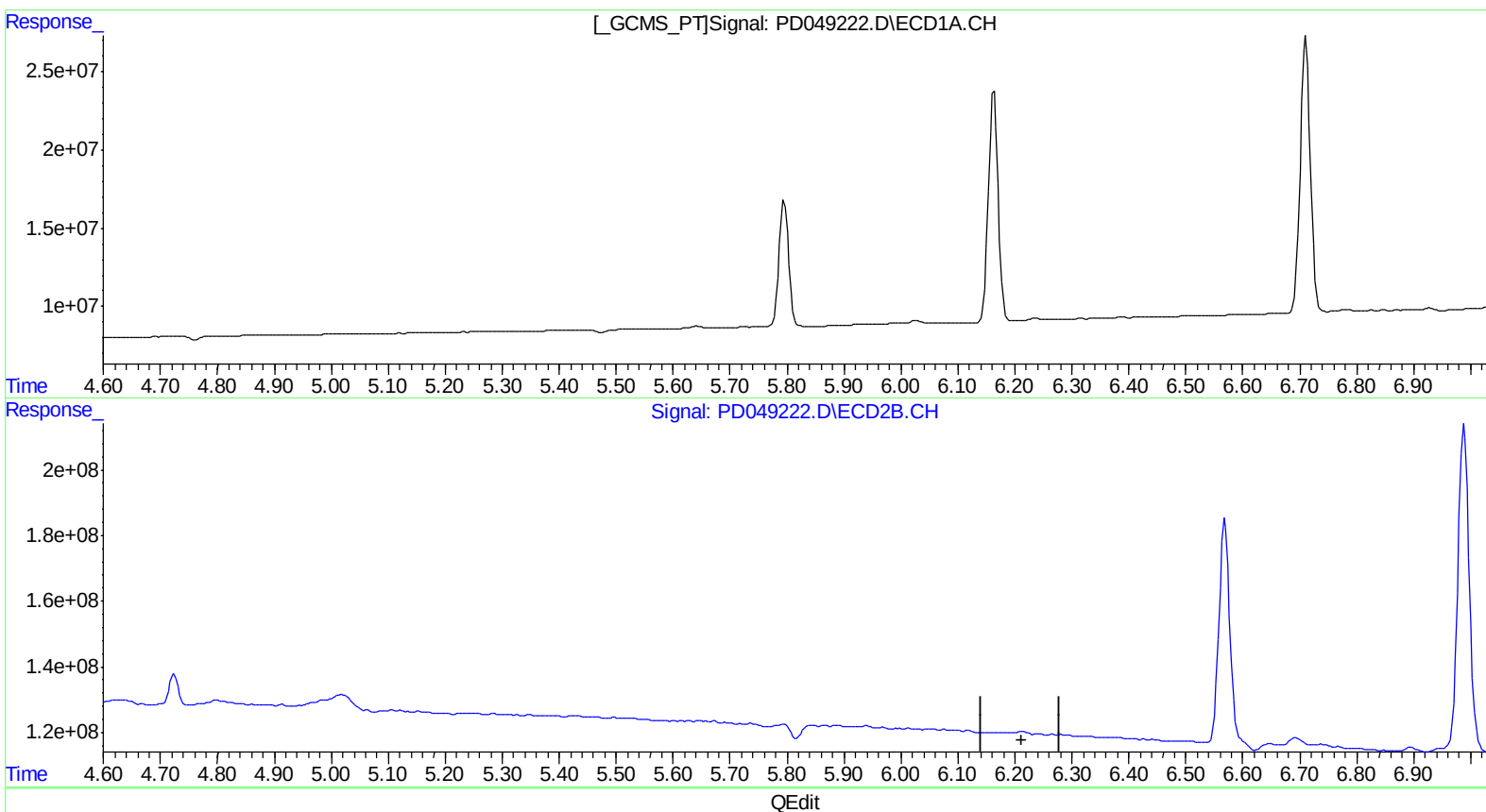
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(12) 4,4'-DDE (B)
0.000min 0.000 ng/ml
response 0

(12) 4,4'-DDE #2 (B)
0.000min 0.000 ng/ml
response 0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
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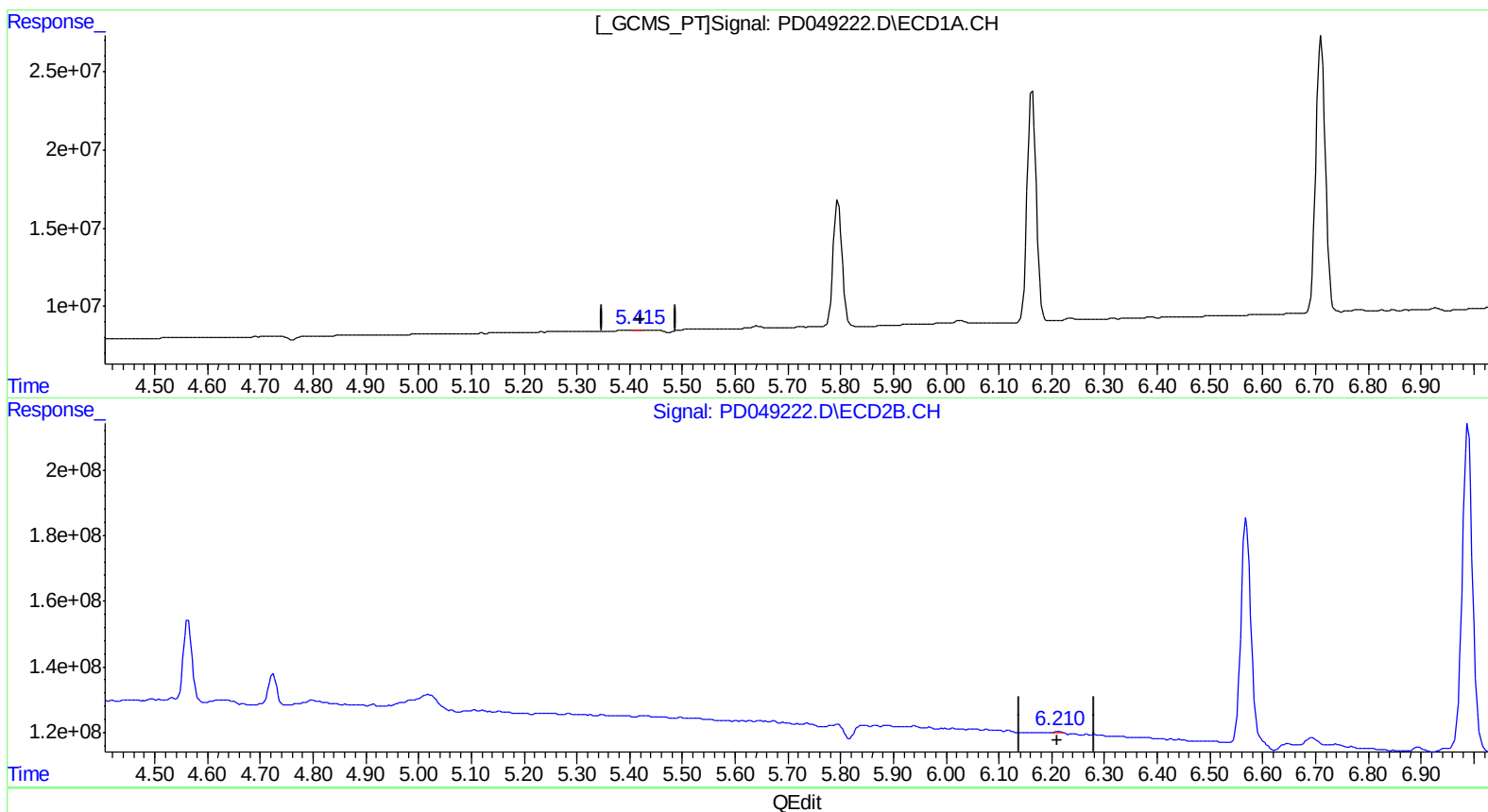
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(12) 4,4'-DDE (B)
5.415min 0.133 ng/ml m
response 273055

(12) 4,4'-DDE #2 (B)
6.210min 0.192 ng/ml m
response 3560282

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
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Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

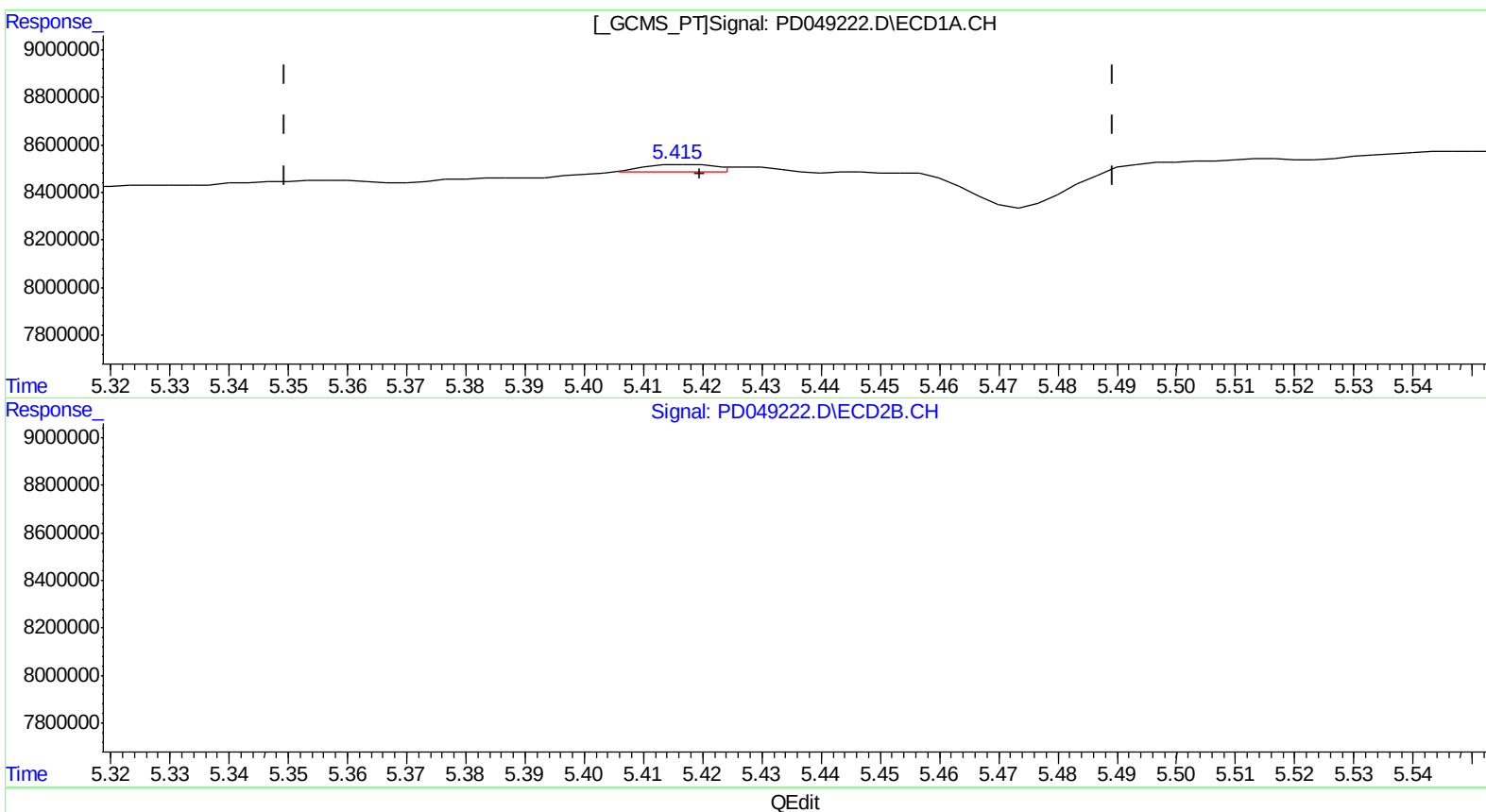
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Manual Integrations
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Sohil
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 15 01:06:07 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091418CLP.M
Quant Title : GC Extractables
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Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(12) 4,4'-DDE (B)
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(12) 4,4'-DDE #2 (B)
6.210min 0.192 ng/ml m
response 3560282

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Operator : AJ\SJ
Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

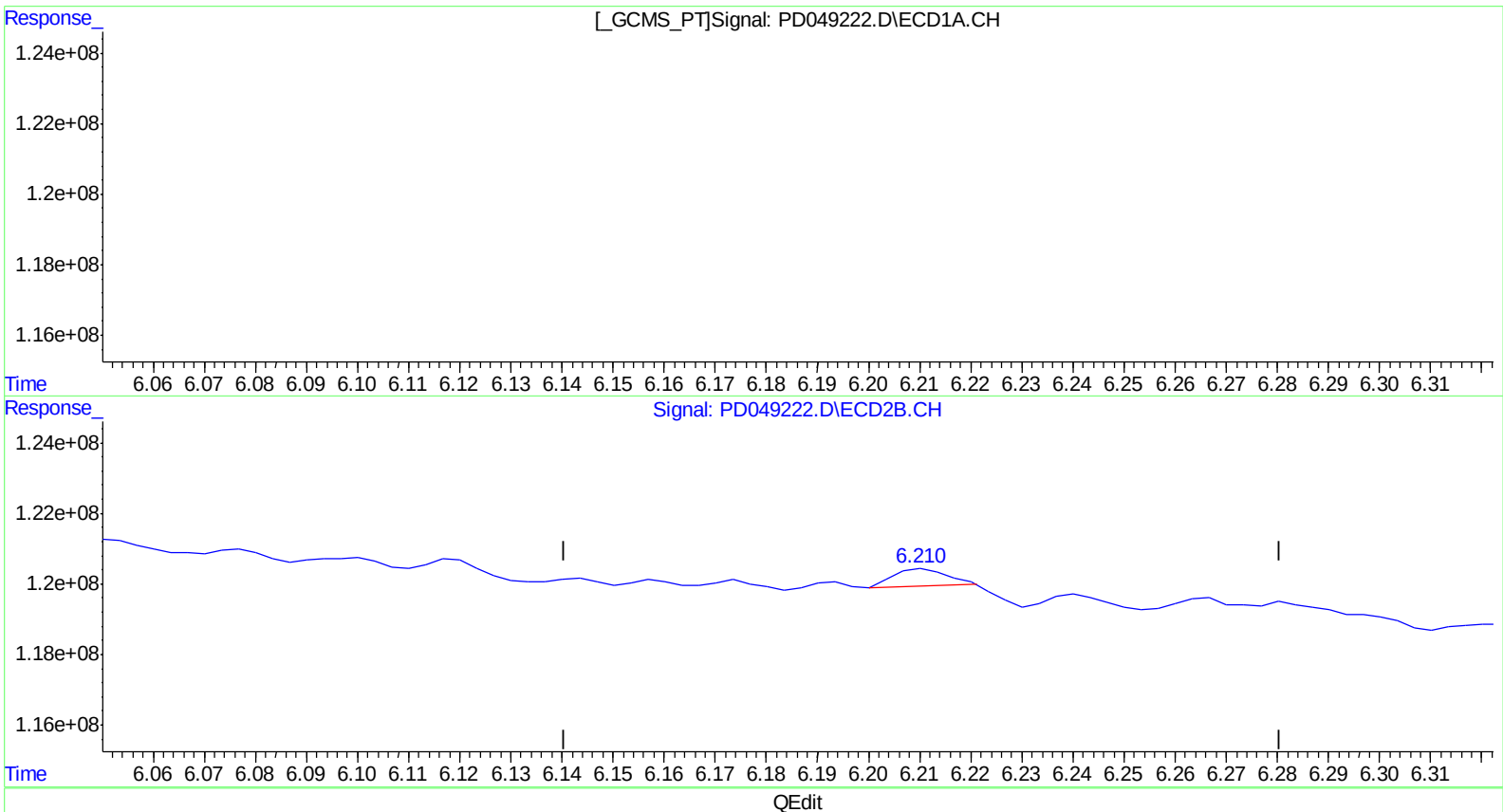
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6.210min 0.192 ng/ml m
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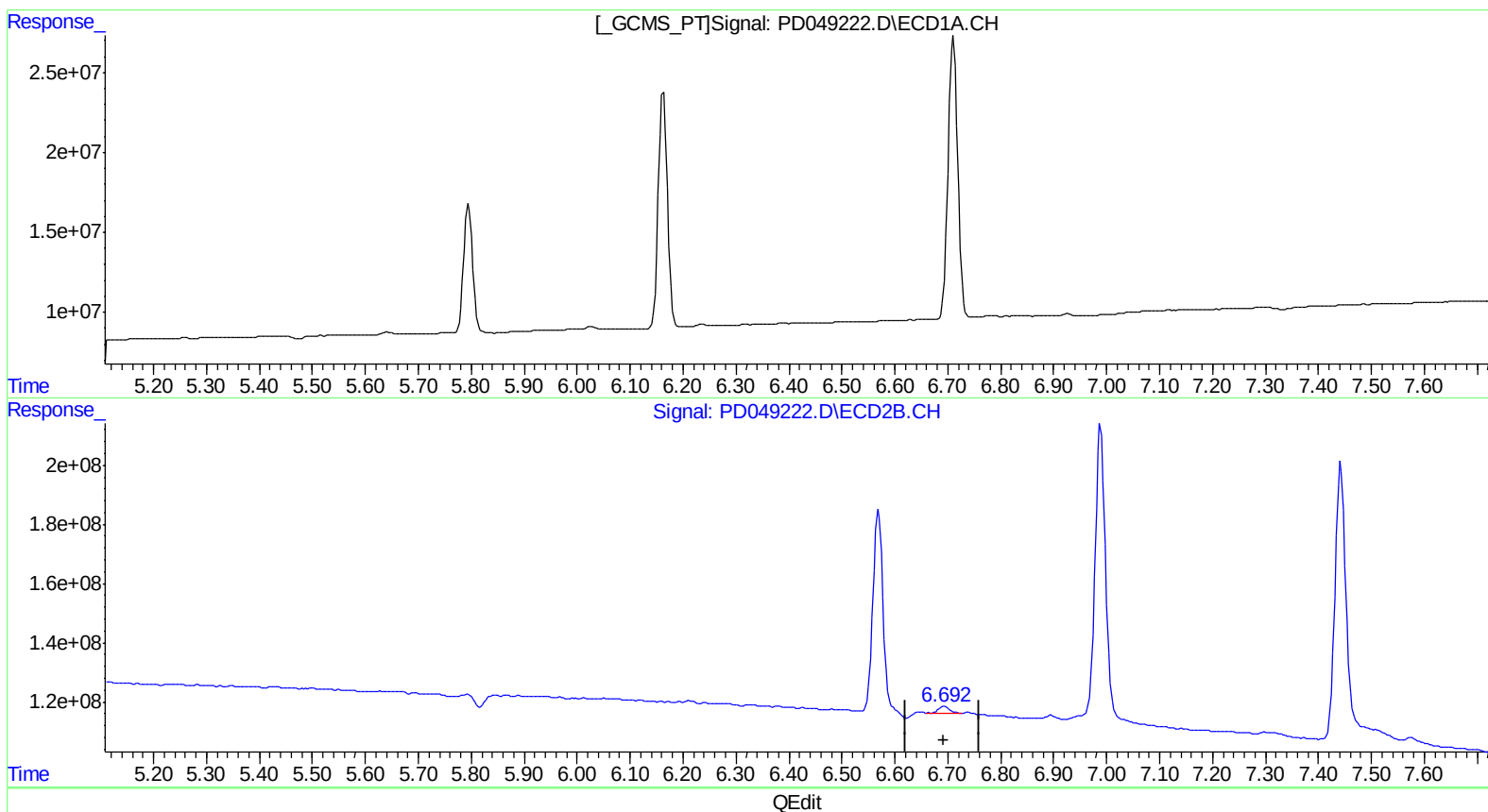
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(16) 4,4'-DDD (A)
0.000min 0.000 ng/ml
response 0

(16) 4,4'-DDD #2 (A)
6.693min 2.232 ng/ml
response 30602750

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
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ALS Vial : 3 Sample Multiplier: 1

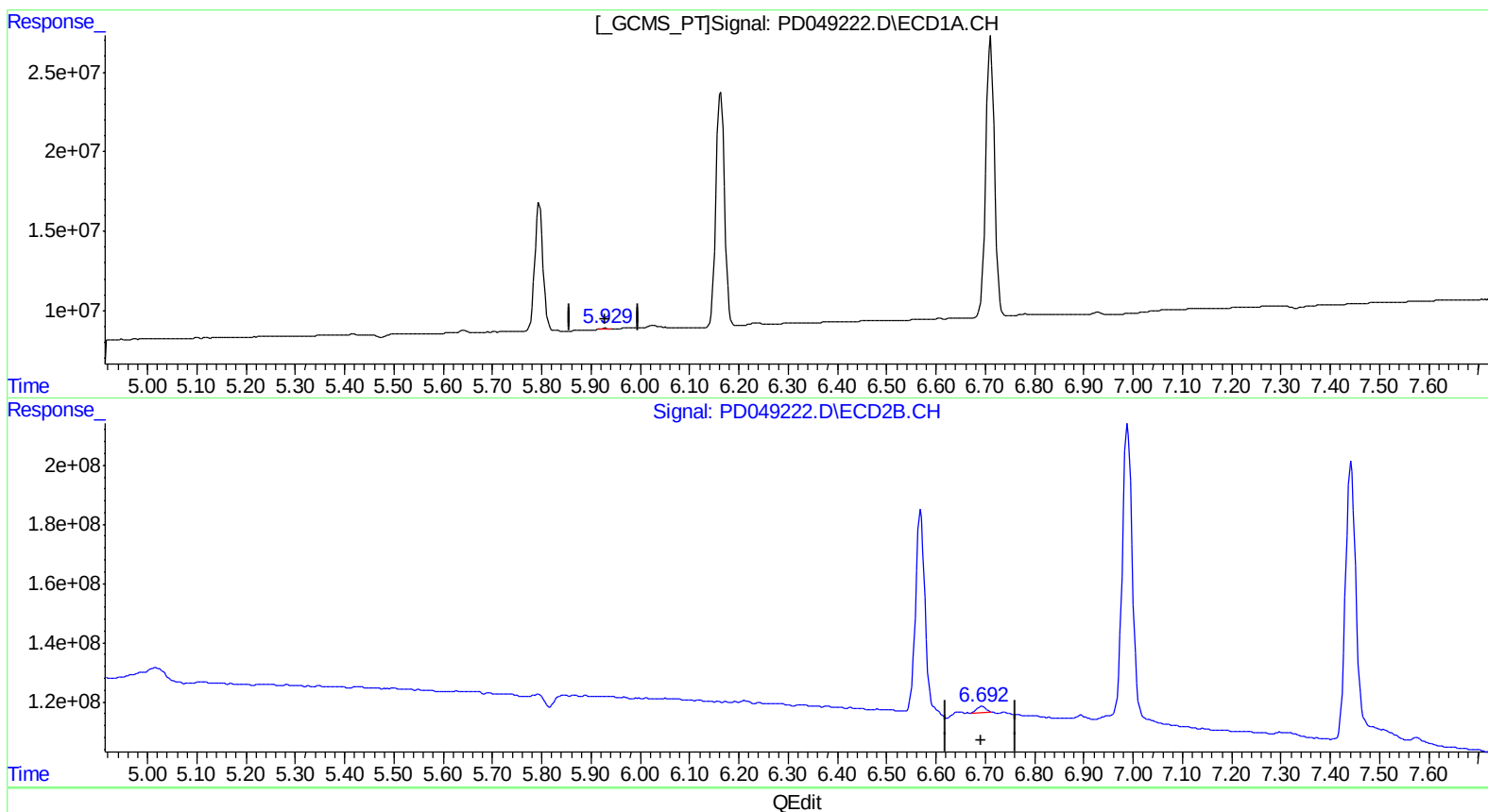
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(16) 4,4'-DDD (A)
5.929min 0.274 ng/ml m
response 488336

(16) 4,4'-DDD #2 (A)
6.692min 1.901 ng/ml m
response 26064732

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
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Operator : AJ\SJ
Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

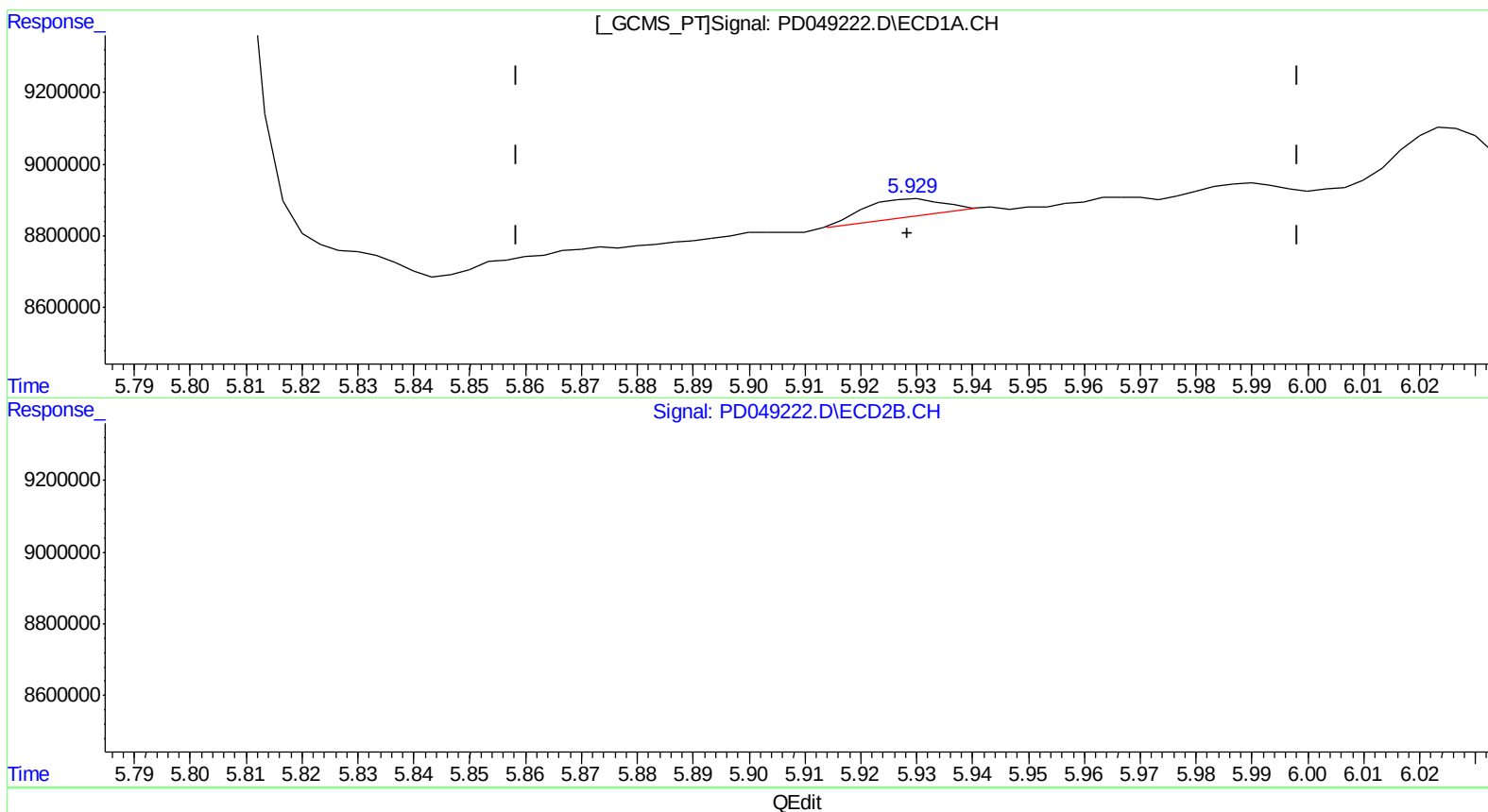
Instrument :
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LabSampleId :
PEM02

Manual Integrations
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Sohil
9/18/2018 8:56:07 AM

Integration File signal 1: autoint1.e
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Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

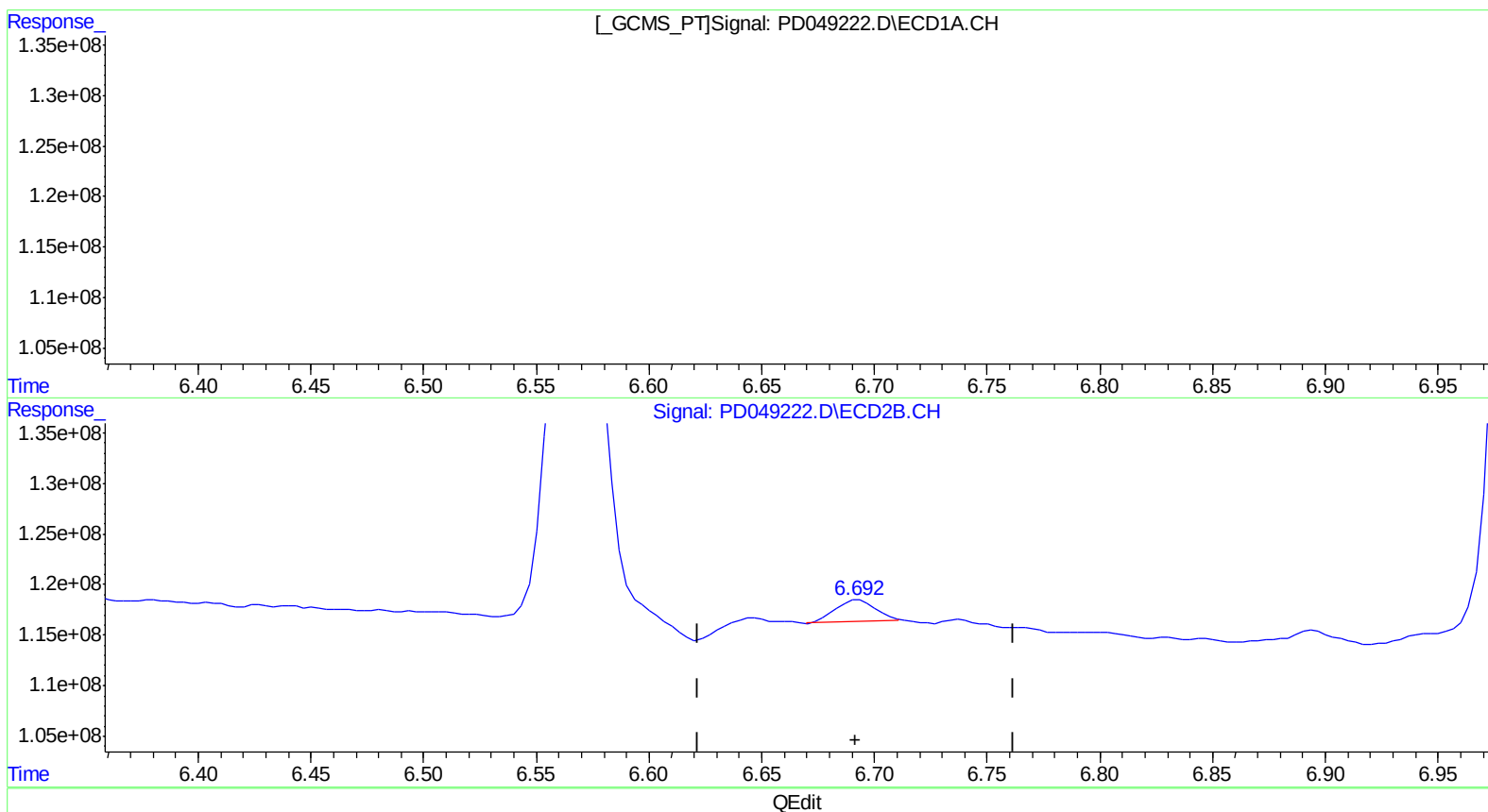
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LabSampleId :
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Volume Inj. : 1 µl
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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



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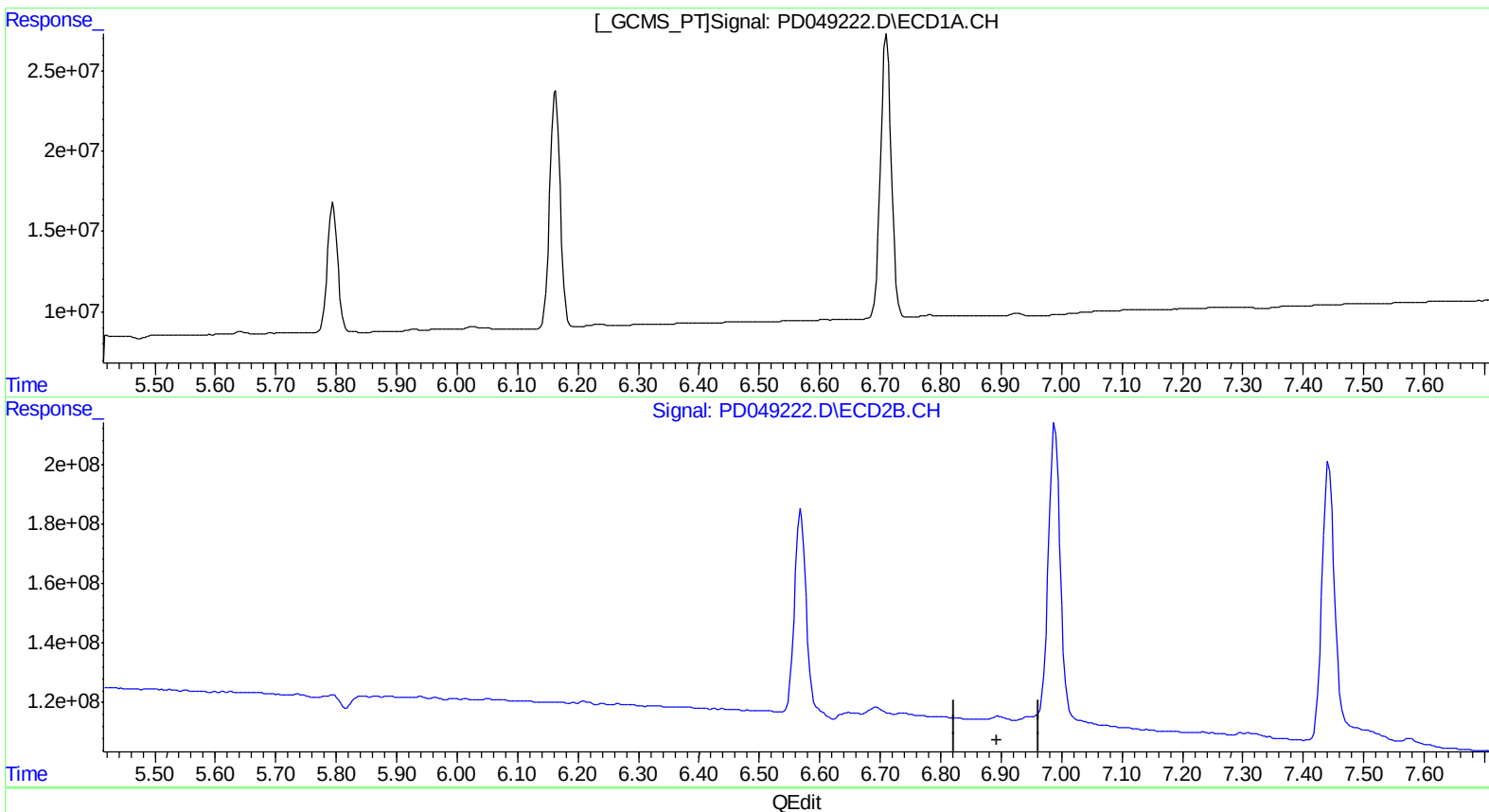
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(18) Endrin aldehyde (B)

0.000min 0.000 ng/ml

response 0

(18) Endrin aldehyde #2 (B)

0.000min 0.000 ng/ml

response 0

(+) = Expected Retention Time

PD091418CLP.M Sat Sep 15 01:05:03 2018

Page: 1

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 Operator : AJ\SJ
 Sample : PEM02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

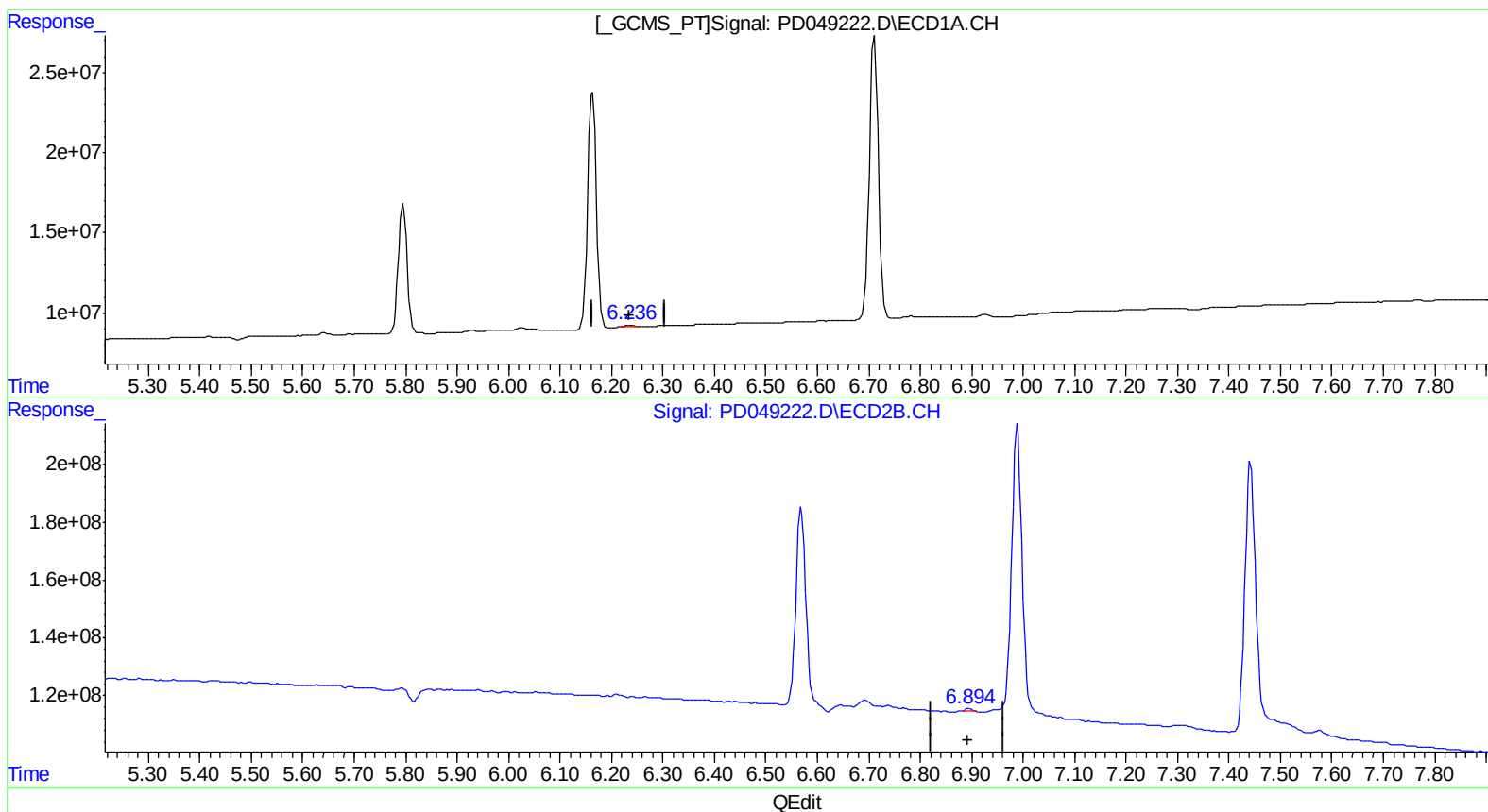
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Manual Integrations
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Integration File signal 1: autoint1.e
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Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(18) Endrin aldehyde (B)
 6.236min 0.769 ng/ml m
 response 1149096

(18) Endrin aldehyde #2 (B)
 6.894min 0.543 ng/ml m
 response 7343476

(+) = Expected Retention Time

PD091418CLP.M Sat Sep 15 01:05:24 2018

Page: 1

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Sample : PEM02
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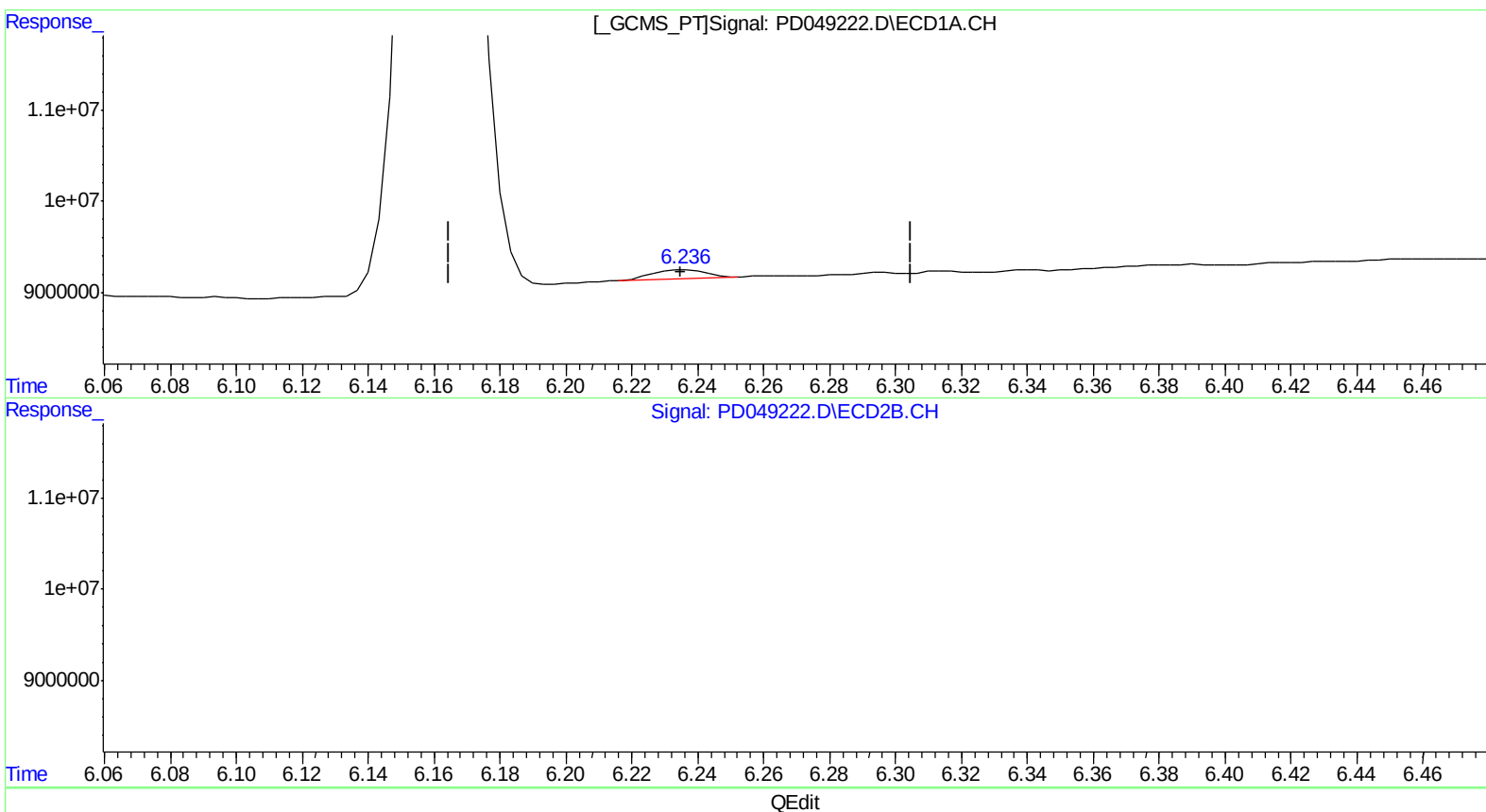
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Integration File signal 1: autoint1.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



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6.236min 0.769 ng/ml m

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6.894min 0.543 ng/ml m

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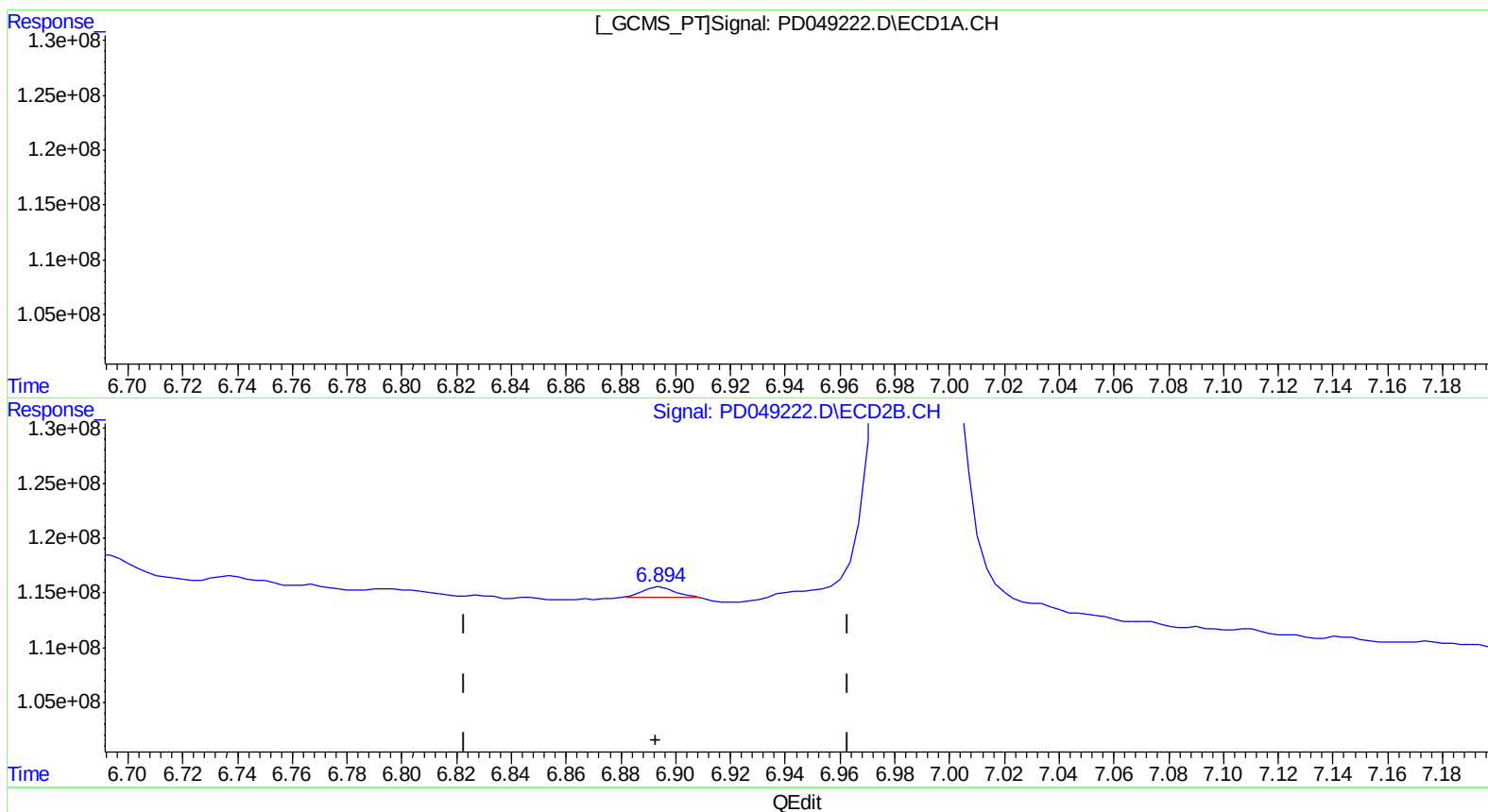
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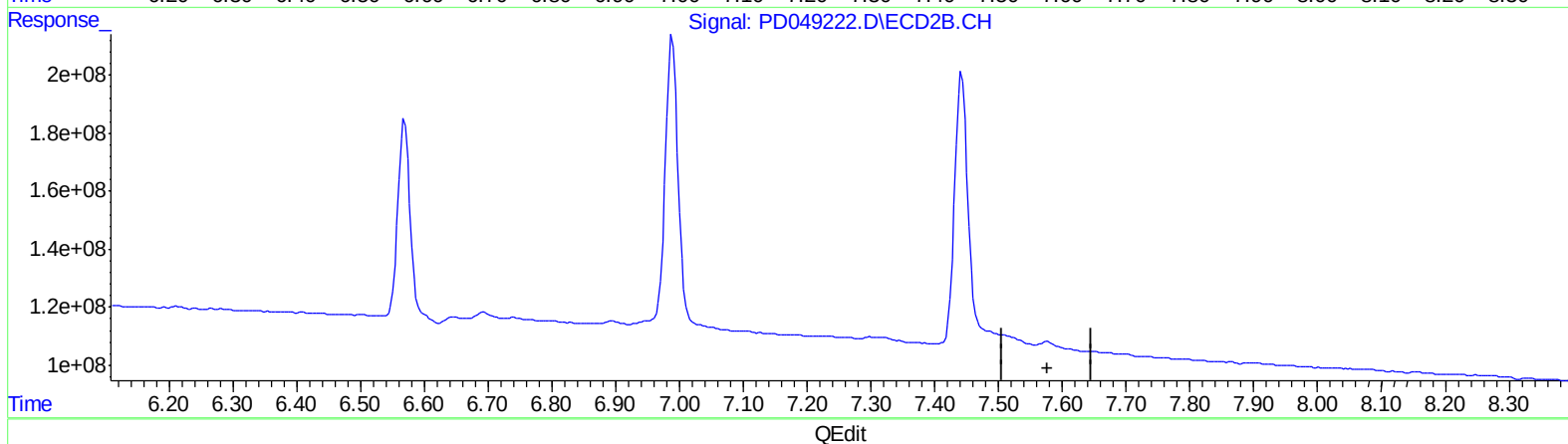
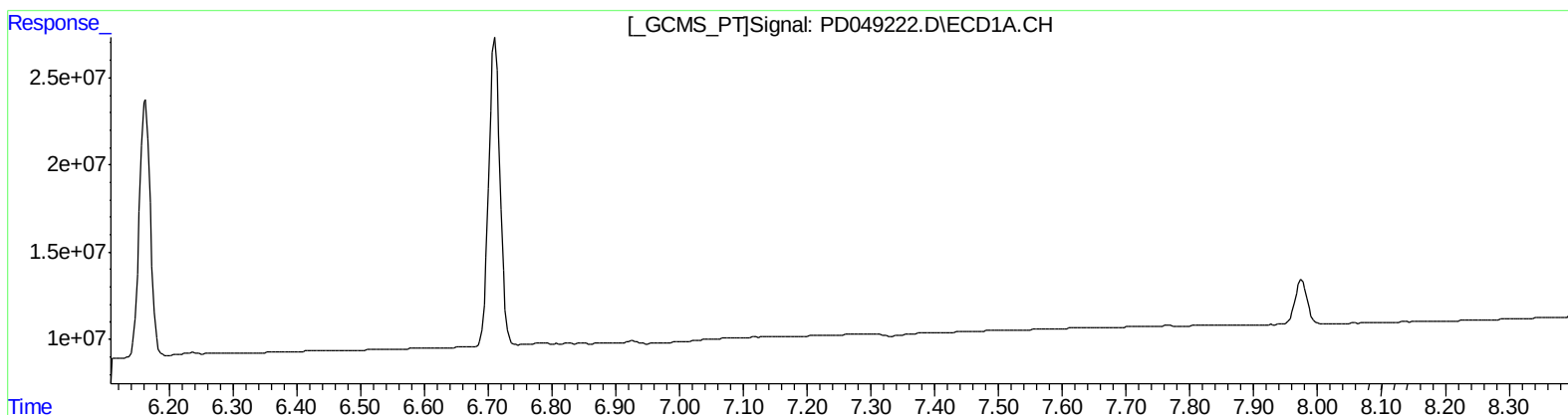
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Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)
0.000min 0.000 ng/ml
response 0

(21) Endrin ketone #2 (B)
0.000min 0.000 ng/ml
response 0

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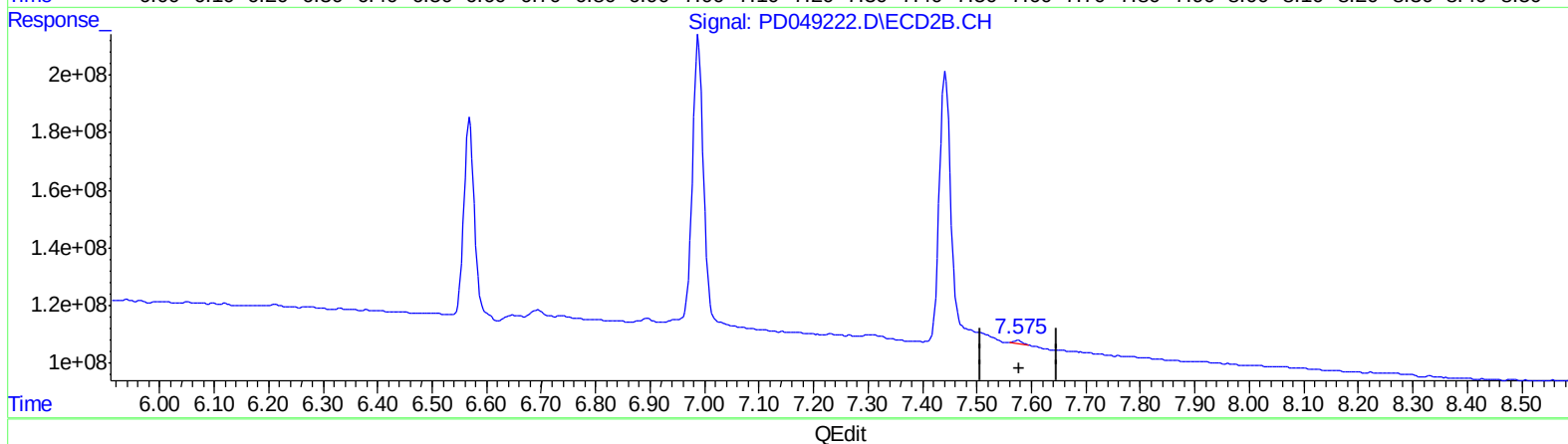
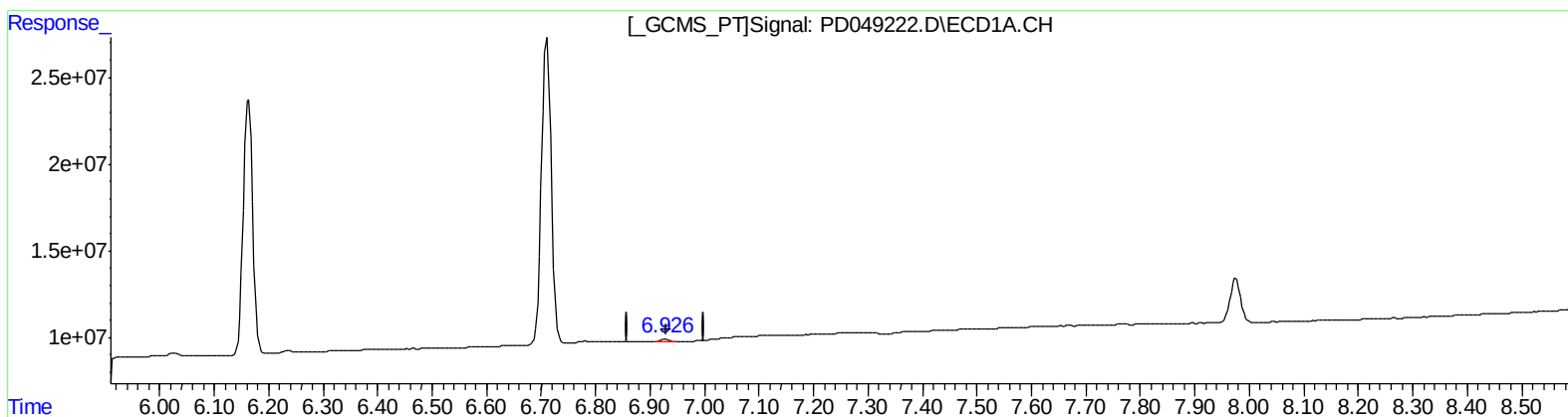
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Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)
 6.926min 0.833 ng/ml m
 response 1604381

(21) Endrin ketone #2 (B)
 7.575min 0.995 ng/ml m
 response 14063525

(+) = Expected Retention Time

PD091418CLP.M Sat Sep 15 01:05:57 2018

Page: 1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
Data File : PD049222.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Sep 2018 13:56
Operator : AJ\SJ
Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

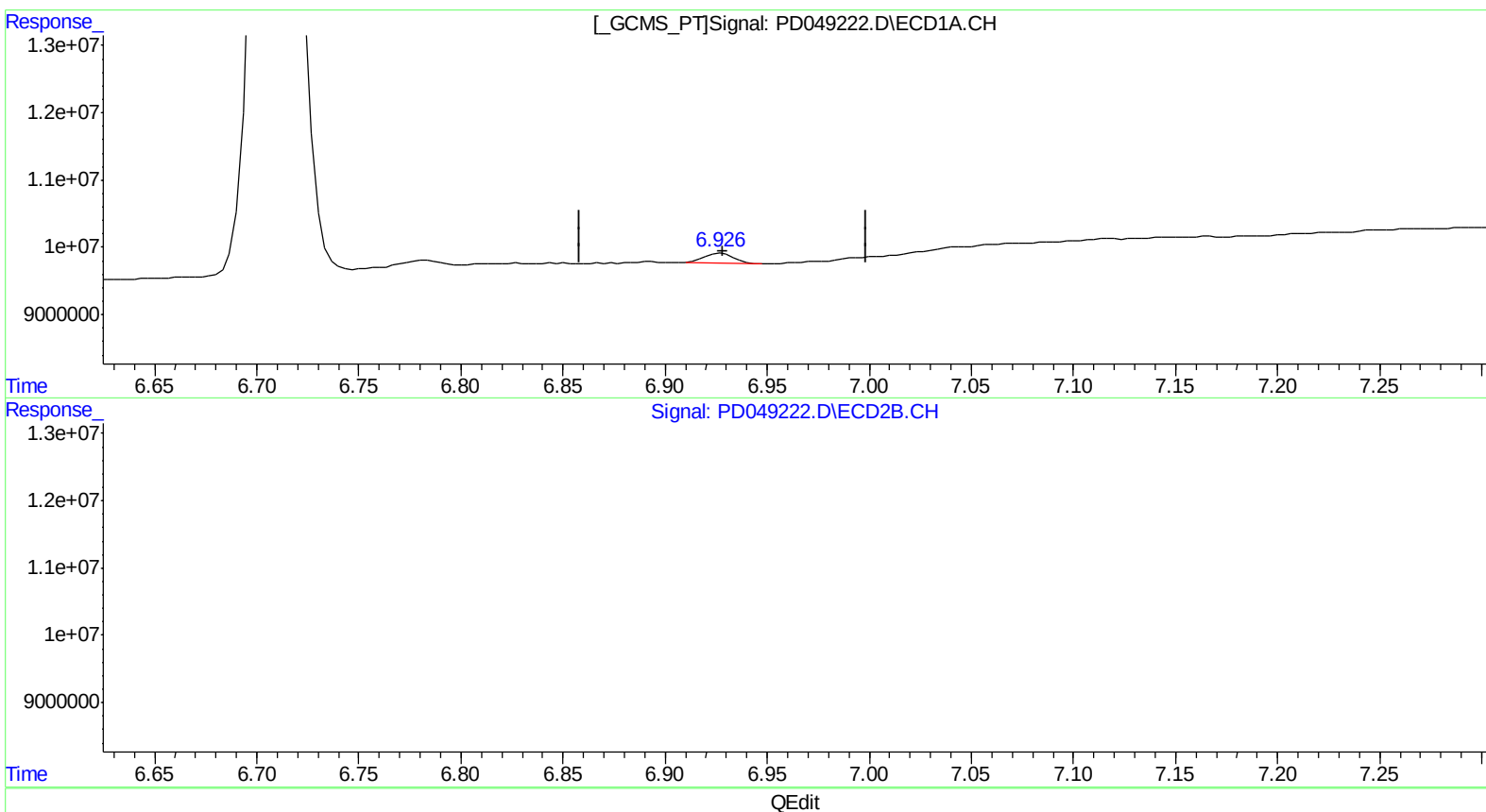
Instrument :
ECD_D
LabSampleId :
PEM02

Manual Integrations
APPROVED

Sohil
9/18/2018 8:56:07 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 15 01:06:07 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091418CLP.M
Quant Title : GC Extractables
QLast Update : Sat Sep 15 00:46:11 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



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7.575min 0.995 ng/ml m
response 14063525

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
Data File : PD049222.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Sep 2018 13:56
Operator : AJ\SJ
Sample : PEM02
Misc :
ALS Vial : 3 Sample Multiplier: 1

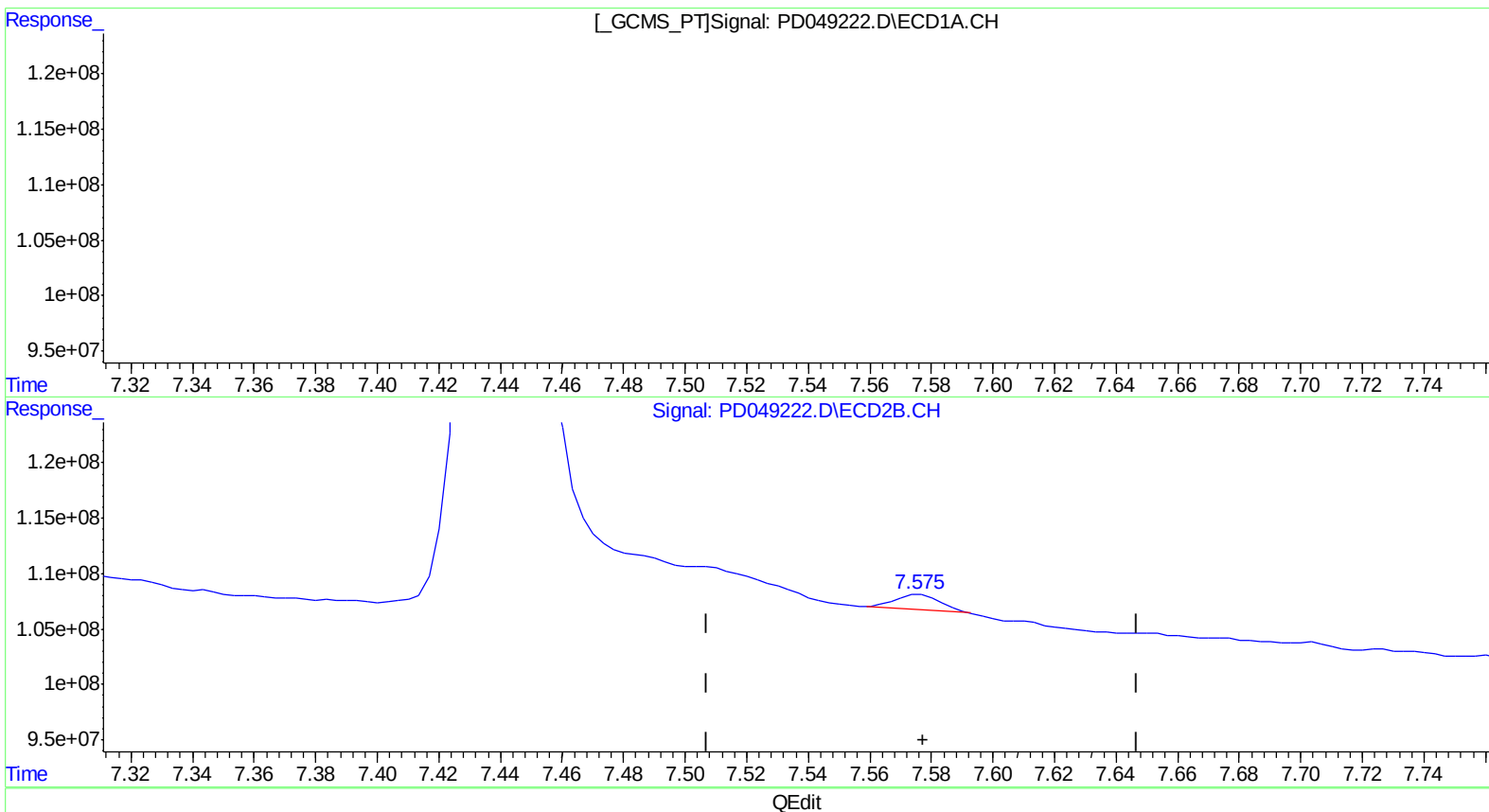
Instrument :
ECD_D
LabSampleId :
PEM02

Manual Integrations
APPROVED

Sohil
9/18/2018 8:56:07 AM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 15 01:06:07 2018
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091418CLP.M
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm



(21) Endrin ketone (B)
6.926min 0.833 ng/ml m
response 1604381

(21) Endrin ketone #2 (B)
7.575min 0.995 ng/ml m
response 14063525

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091418\
 Data File : PD049222.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Sep 2018 13:56
 Operator : AJ\SJ
 Sample : PEM02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 LabSampleId :
 PEM02

Manual Integrations
 APPROVED

Sohil
 9/18/2018 8:56:07 AM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 15 01:06:07 2018
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091418CLP.M
 Quant Title : GC Extractables
 QLast Update : Sat Sep 15 00:46:11 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.314	3.908	27686574	354.9E6	19.159	19.323
27) SA Decachlor...	7.975	8.893	33605214	281.8E6	19.915	20.204
Target Compounds						
2) A alpha-BHC	3.741	4.285	22499912	290.4E6	9.447	9.722
3) MA gamma-BHC...	4.015	4.562	22030799	271.2E6	9.565	9.796m)
6) B beta-BHC	4.262	4.724	8311530	104.6E6	9.488	10.029
12) B 4,4'-DDE	5.415	6.210	273055	3560282	0.133m)	0.192m#)
14) MA Endrin	5.795	6.569	94477004	882.8E6	49.975	50.675
16) A 4,4'-DDD	5.929	6.692	488336	26064732	0.274m)	1.901m#)
17) MA 4,4'-DDT	6.163	6.989	176.9E6	1339.5E6	96.993	96.886
18) B Endrin al...	6.236	6.894	1149096	7343476	0.769m)	0.543m#)
20) A Methoxychlor	6.711	7.442	218.3E6	1296.9E6	242.808	246.730
21) B Endrin ke...	6.926	7.575	1604381	14063525	0.833m)	0.995m)

59/18/18

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.