

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070325\  
 Data File : PD089305.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Jul 2025 17:20  
 Operator : AR\AJ  
 Sample : PB168693BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB168693BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 07/03/2025  
 Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 03 01:40:01 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jun 18 05:39:05 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.556 | 2.880 | 54166539 | 384.3E6  | 18.985  | 22.669  |
| 28)                         | SA Decachlor... | 9.080 | 8.073 | 80734322 | 416.1E6  | 20.555  | 21.049  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.006 | 3.393 | 283.6E6  | 1333.4E6 | 48.653  | 49.759  |
| 3)                          | MA gamma-BHC... | 4.337 | 3.730 | 272.8E6  | 1190.1E6 | 48.866  | 48.072  |
| 4)                          | MA Heptachlor   | 4.936 | 4.083 | 260.9E6  | 1174.2E6 | 47.856  | 46.897  |
| 5)                          | MB Aldrin       | 5.278 | 4.369 | 261.2E6  | 1180.3E6 | 49.158  | 48.740  |
| 6)                          | B beta-BHC      | 4.522 | 4.026 | 104.7E6  | 505.4E6  | 47.460  | 47.029  |
| 7)                          | B delta-BHC     | 4.770 | 4.262 | 271.0E6  | 1211.1E6 | 52.806m | 48.691  |
| 8)                          | B Heptachlo...  | 5.697 | 4.871 | 231.7E6  | 1077.4E6 | 48.023  | 49.199m |
| 9)                          | A Endosulfan I  | 6.081 | 5.246 | 221.3E6  | 903.6E6  | 49.103  | 43.354m |
| 10)                         | B gamma-Chl...  | 5.953 | 5.124 | 232.9E6  | 1139.7E6 | 48.647  | 47.639m |
| 11)                         | B alpha-Chl...  | 6.034 | 5.189 | 236.0E6  | 1096.3E6 | 48.783  | 47.880m |
| 12)                         | B 4,4'-DDE      | 6.203 | 5.376 | 204.4E6  | 1111.7E6 | 46.863  | 48.514  |
| 13)                         | MA Dieldrin     | 6.354 | 5.512 | 236.2E6  | 1120.1E6 | 49.244  | 48.262m |
| 14)                         | MA Endrin       | 6.579 | 5.789 | 192.8E6  | 1137.3E6 | 46.723m | 52.375m |
| 15)                         | B Endosulfa...  | 6.793 | 6.081 | 192.1E6  | 969.8E6  | 47.583  | 48.017  |
| 16)                         | A 4,4'-DDD      | 6.712 | 5.930 | 183.6E6  | 900.4E6  | 53.508  | 47.066  |
| 17)                         | MA 4,4'-DDT     | 7.027 | 6.184 | 166.3E6  | 890.4E6  | 43.900  | 43.909  |
| 18)                         | B Endrin al...  | 6.921 | 6.260 | 148.7E6  | 738.5E6  | 48.536  | 48.232  |
| 19)                         | B Endosulfa...  | 7.156 | 6.483 | 182.3E6  | 919.5E6  | 47.513  | 46.862  |
| 20)                         | A Methoxychlor  | 7.499 | 6.755 | 90639290 | 483.5E6  | 44.857  | 44.900  |
| 21)                         | B Endrin ke...  | 7.636 | 6.993 | 197.1E6  | 1086.4E6 | 48.400  | 50.293  |
| 22)                         | Mirex           | 8.120 | 7.186 | 110.4E6  | 596.2E6  | 36.299  | 35.745  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070325\  
Data File : PD089305.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 02 Jul 2025 17:20  
Operator : AR\AJ  
Sample : PB168693BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PB168693BS

## Manual Integrations

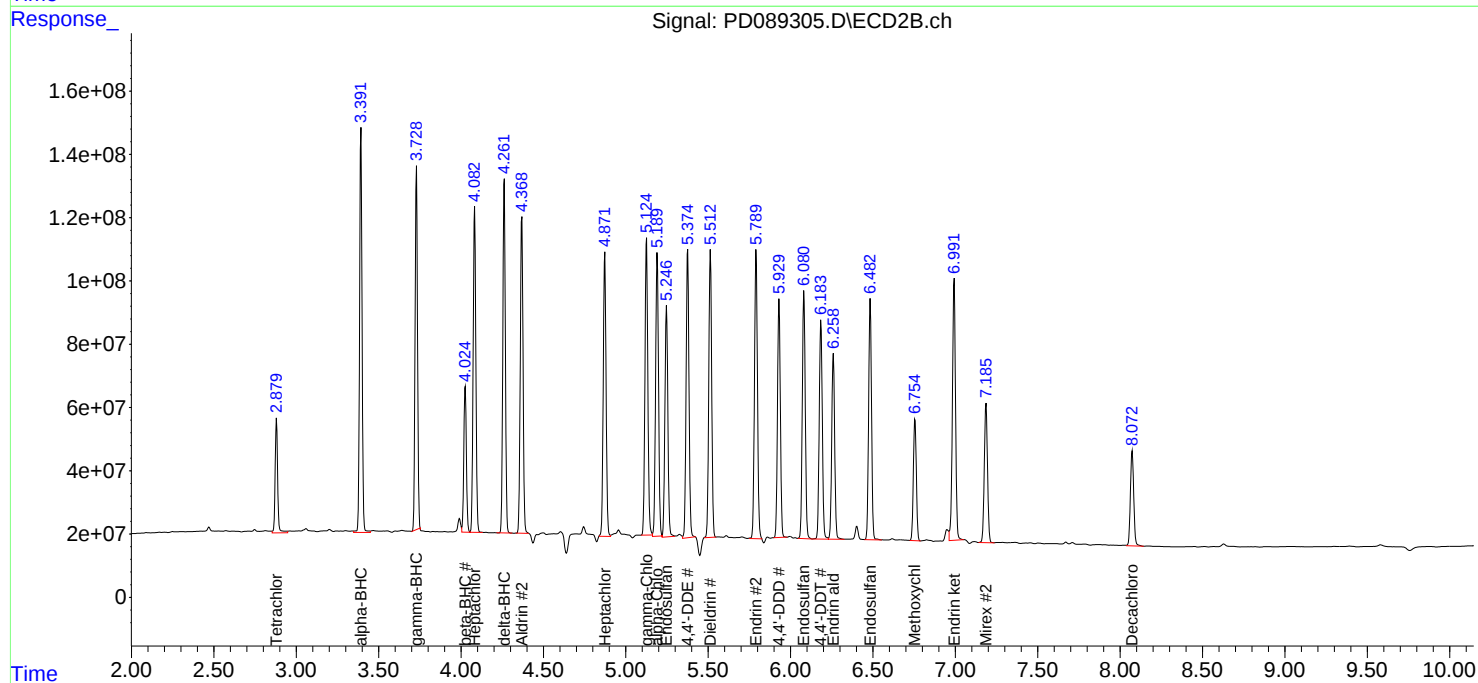
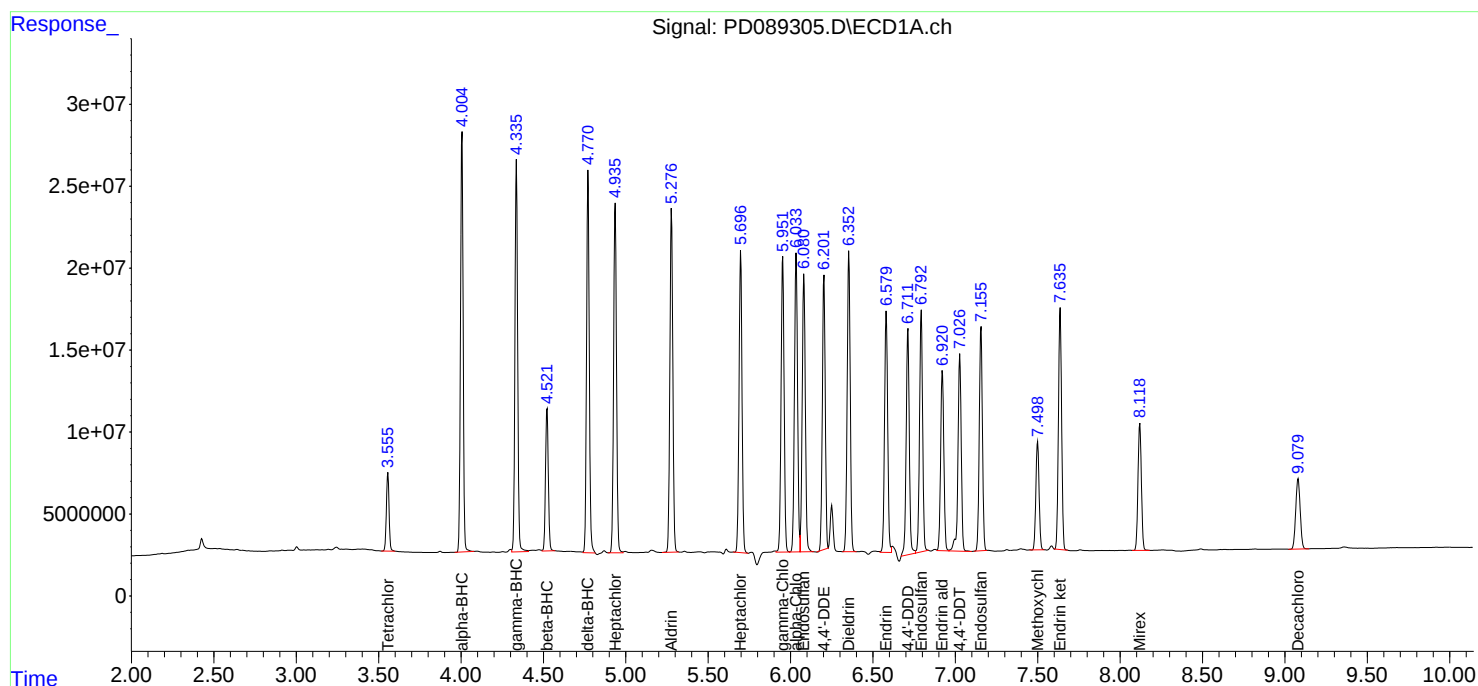
## APPROVED

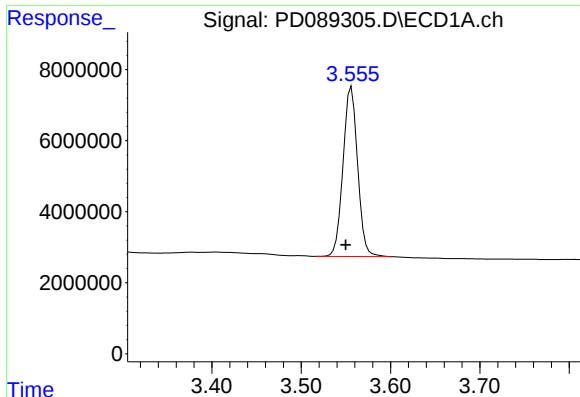
Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 03 01:40:01 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
Quant Title : GC Extractables  
QLast Update : Wed Jun 18 05:39:05 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





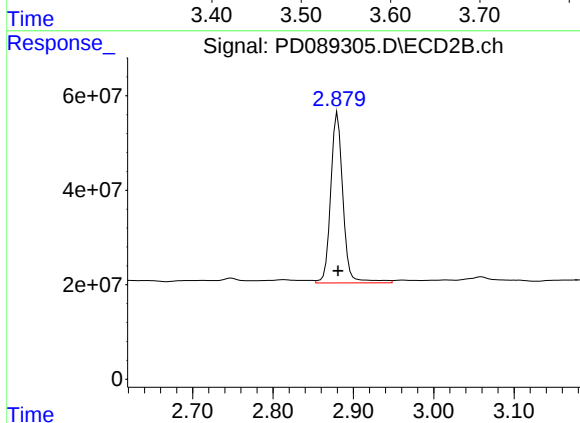
#1 Tetrachloro-m-xylene

R.T.: 3.556 min  
Delta R.T.: 0.006 min  
Response: 54166539  
Conc: 18.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

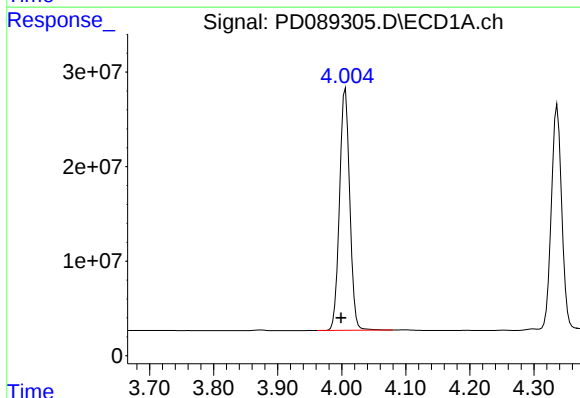
Manual Integrations  
APPROVED

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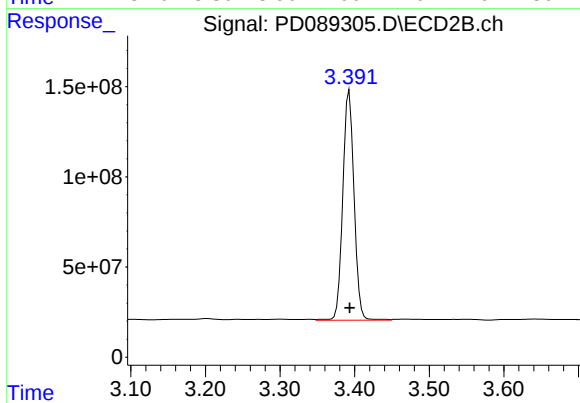
#1 Tetrachloro-m-xylene

R.T.: 2.880 min  
Delta R.T.: 0.000 min  
Response: 384317818  
Conc: 22.67 ng/ml



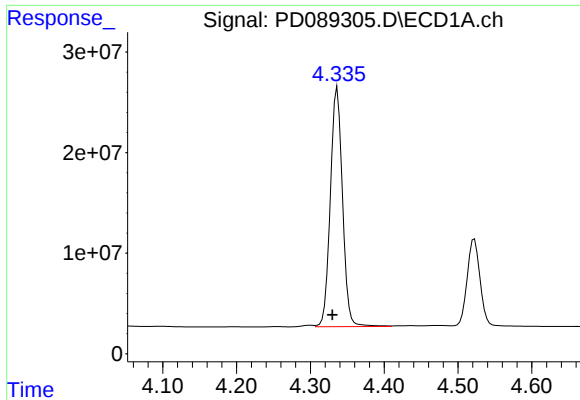
#2 alpha-BHC

R.T.: 4.006 min  
Delta R.T.: 0.007 min  
Response: 283601139  
Conc: 48.65 ng/ml



#2 alpha-BHC

R.T.: 3.393 min  
Delta R.T.: 0.000 min  
Response: 1333404661  
Conc: 49.76 ng/ml



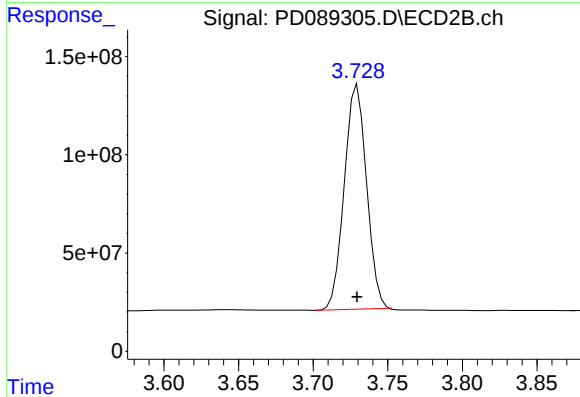
#3 gamma-BHC (Lindane)

R.T.: 4.337 min  
Delta R.T.: 0.006 min  
Response: 272753640  
Conc: 48.87 ng/ml

Instrument :  
ECD\_D  
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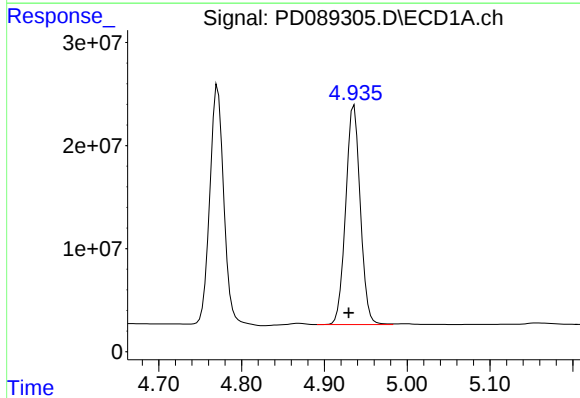
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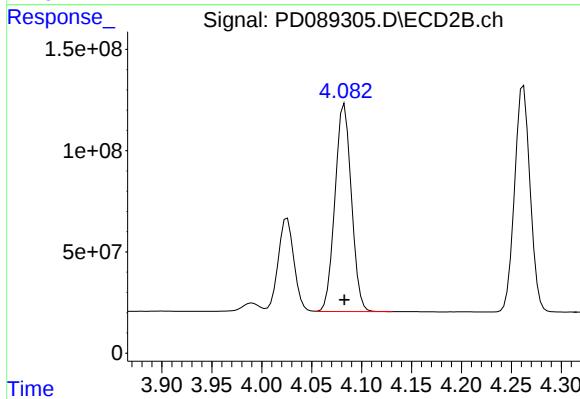
#3 gamma-BHC (Lindane)

R.T.: 3.730 min  
Delta R.T.: 0.000 min  
Response: 1190106865  
Conc: 48.07 ng/ml



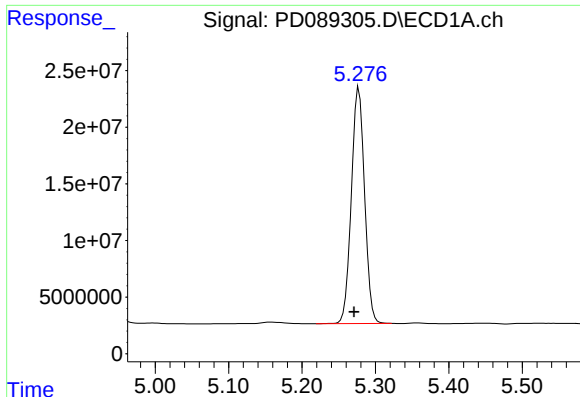
#4 Heptachlor

R.T.: 4.936 min  
Delta R.T.: 0.006 min  
Response: 260906481  
Conc: 47.86 ng/ml



#4 Heptachlor

R.T.: 4.083 min  
Delta R.T.: 0.000 min  
Response: 1174227127  
Conc: 46.90 ng/ml



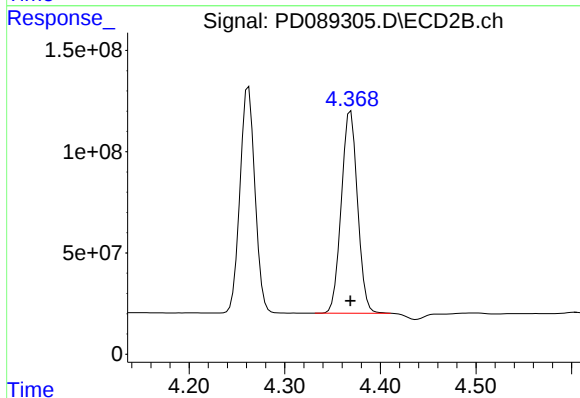
#5 Aldrin

R.T.: 5.278 min  
Delta R.T.: 0.007 min  
Response: 261177011  
Conc: 49.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

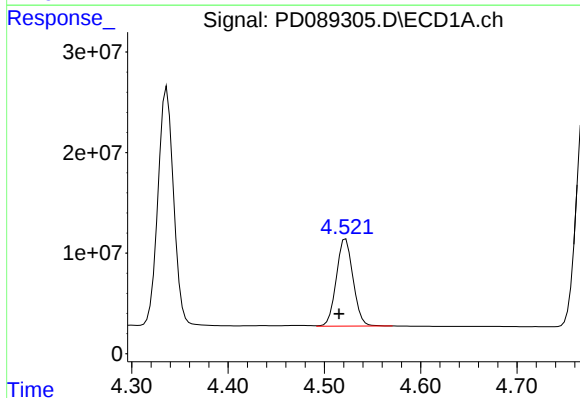
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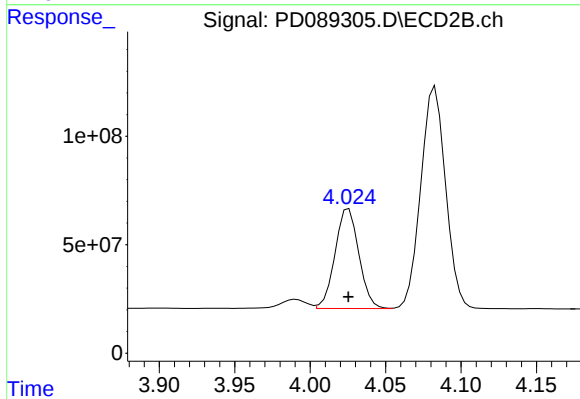
#5 Aldrin

R.T.: 4.369 min  
Delta R.T.: 0.000 min  
Response: 1180341613  
Conc: 48.74 ng/ml



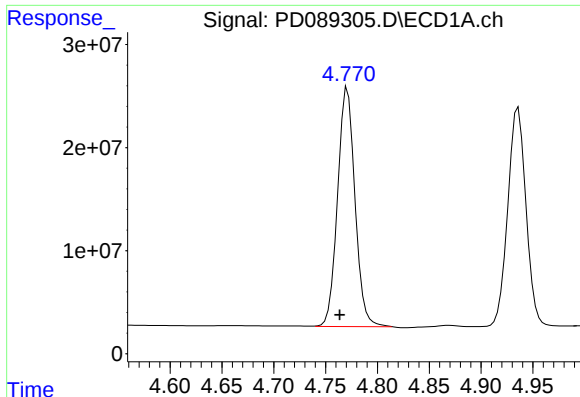
#6 beta-BHC

R.T.: 4.522 min  
Delta R.T.: 0.007 min  
Response: 104749781  
Conc: 47.46 ng/ml



#6 beta-BHC

R.T.: 4.026 min  
Delta R.T.: 0.000 min  
Response: 505384491  
Conc: 47.03 ng/ml



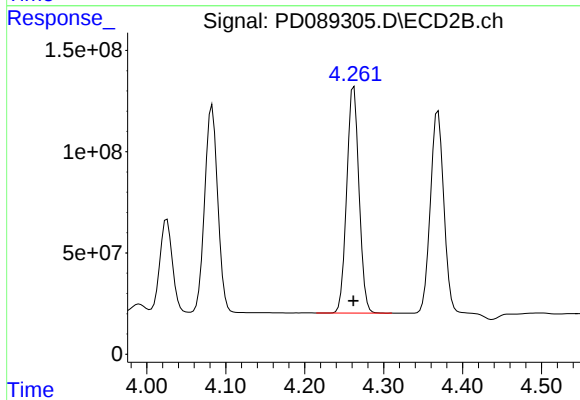
#7 delta-BHC

R.T.: 4.770 min  
Delta R.T.: 0.006 min  
Response: 271046969  
Conc: 52.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

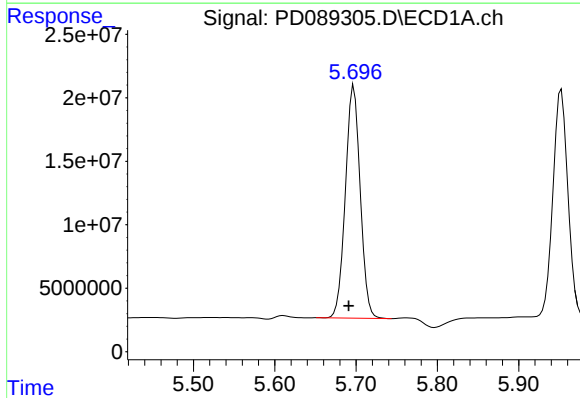
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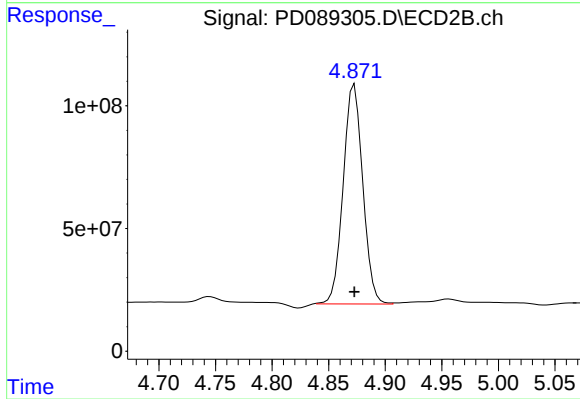
#7 delta-BHC

R.T.: 4.262 min  
Delta R.T.: 0.000 min  
Response: 1211116326  
Conc: 48.69 ng/ml



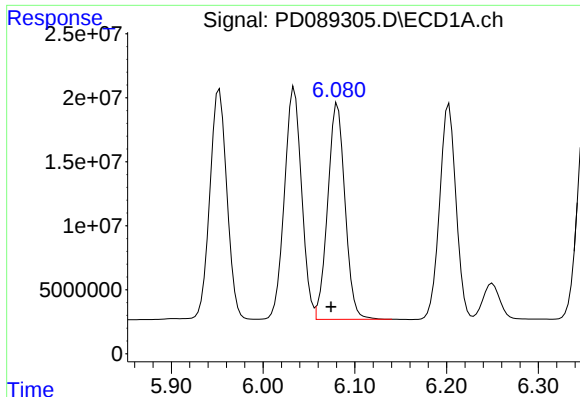
#8 Heptachlor epoxide

R.T.: 5.697 min  
Delta R.T.: 0.007 min  
Response: 231658466  
Conc: 48.02 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min  
Delta R.T.: -0.001 min  
Response: 1077361768  
Conc: 49.20 ng/ml m



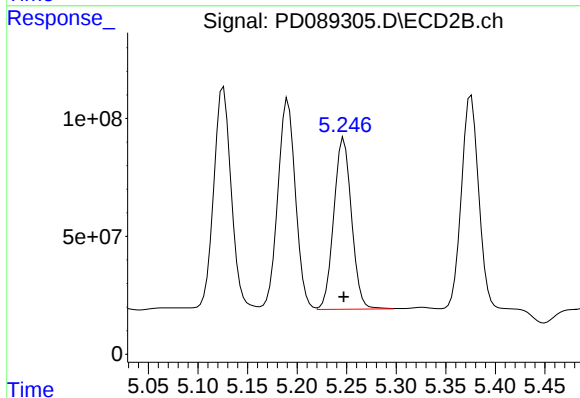
#9 Endosulfan I

R.T.: 6.081 min  
Delta R.T.: 0.007 min  
Response: 221327541  
Conc: 49.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

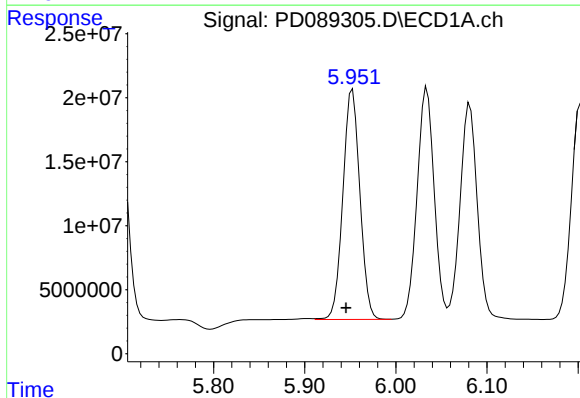
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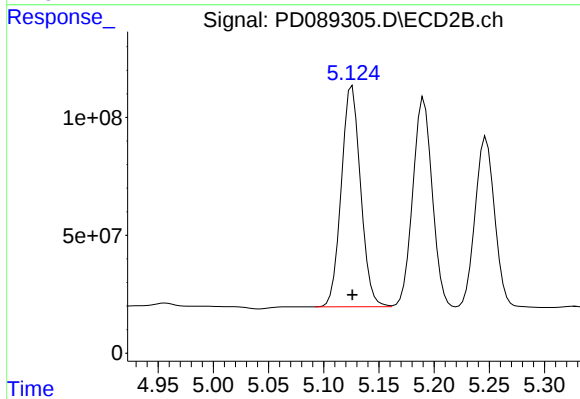
#9 Endosulfan I

R.T.: 5.246 min  
Delta R.T.: -0.001 min  
Response: 903600064  
Conc: 43.35 ng/ml m



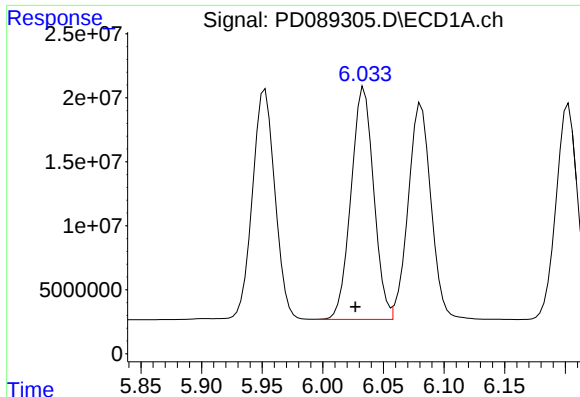
#10 gamma-Chlordane

R.T.: 5.953 min  
Delta R.T.: 0.007 min  
Response: 232926410  
Conc: 48.65 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min  
Delta R.T.: -0.001 min  
Response: 1139654924  
Conc: 47.64 ng/ml m



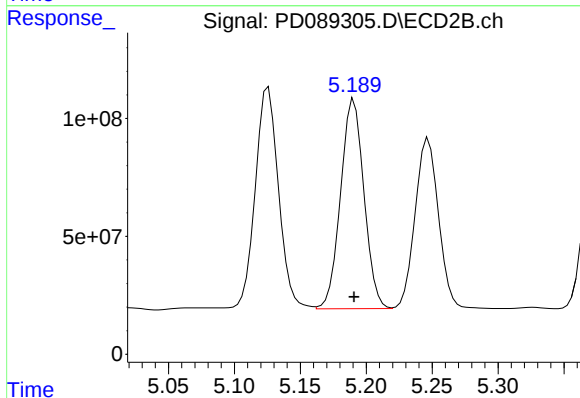
#11 alpha-Chlordane

R.T.: 6.034 min  
Delta R.T.: 0.007 min  
Response: 236040330  
Conc: 48.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

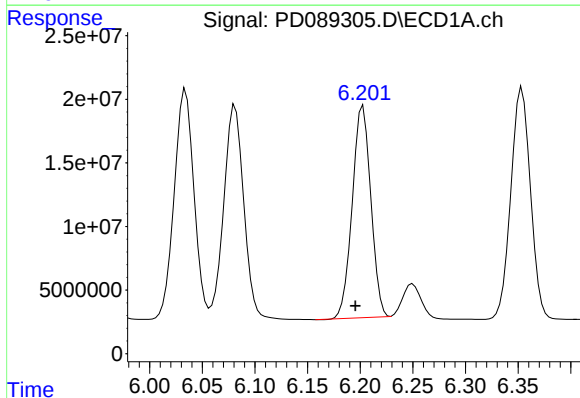
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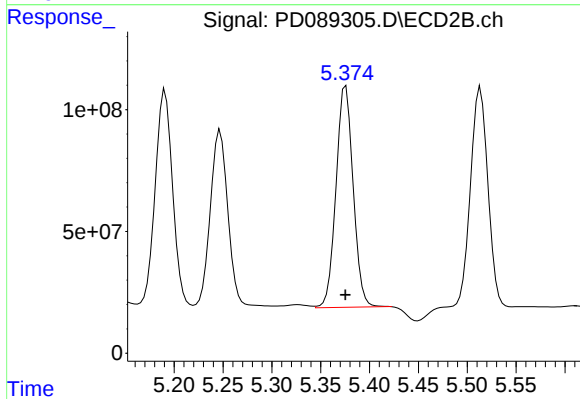
#11 alpha-Chlordane

R.T.: 5.189 min  
Delta R.T.: -0.001 min  
Response: 1096299079  
Conc: 47.88 ng/ml m



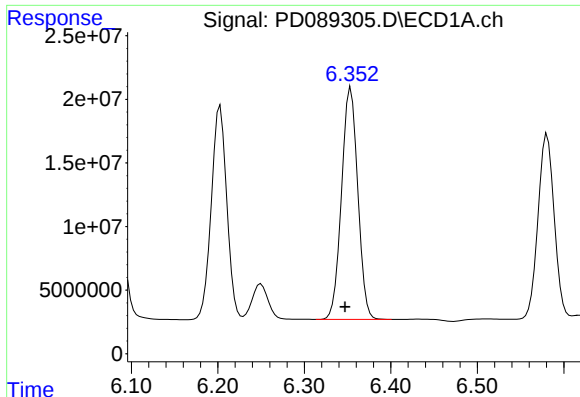
#12 4,4'-DDE

R.T.: 6.203 min  
Delta R.T.: 0.007 min  
Response: 204369511  
Conc: 46.86 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min  
Delta R.T.: 0.000 min  
Response: 1111744798  
Conc: 48.51 ng/ml



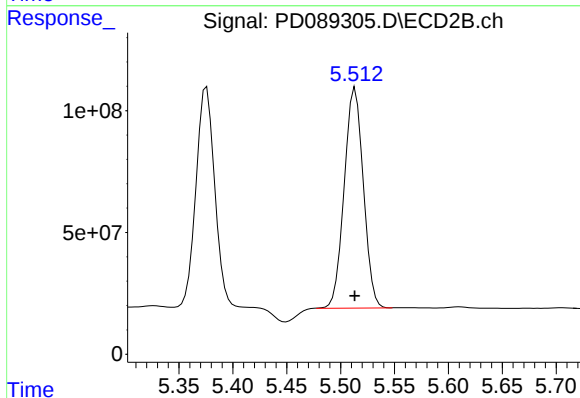
#13 Dieldrin

R.T.: 6.354 min  
Delta R.T.: 0.007 min  
Response: 236247058  
Conc: 49.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

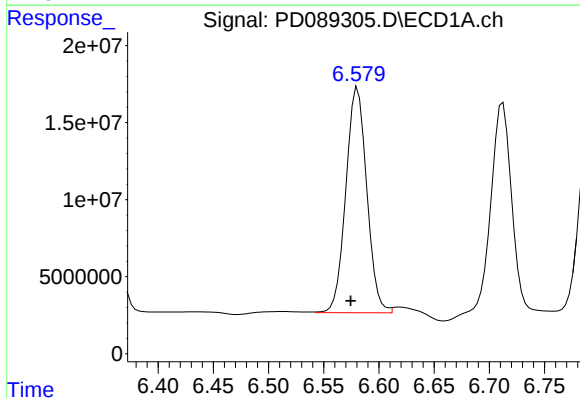
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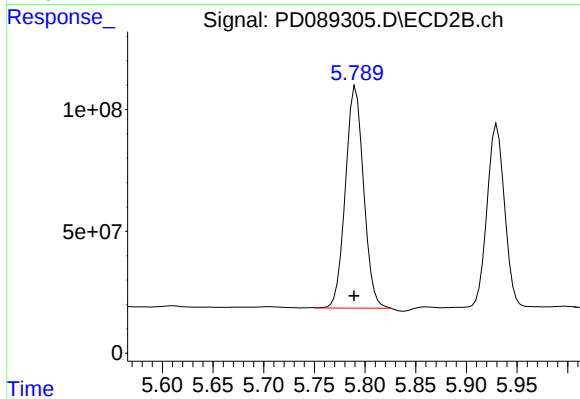
#13 Dieldrin

R.T.: 5.512 min  
Delta R.T.: 0.000 min  
Response: 1120089307  
Conc: 48.26 ng/ml m



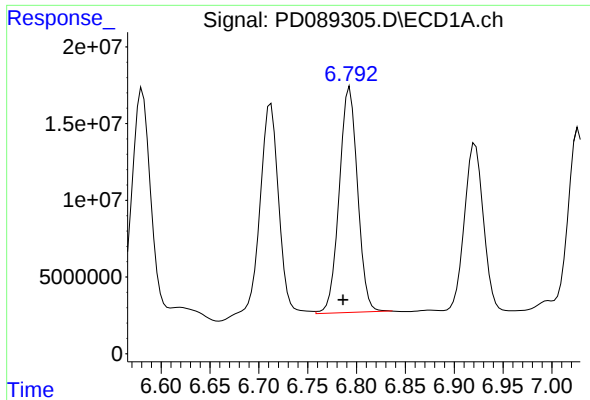
#14 Endrin

R.T.: 6.579 min  
Delta R.T.: 0.005 min  
Response: 192761236  
Conc: 46.72 ng/ml m



#14 Endrin

R.T.: 5.789 min  
Delta R.T.: 0.000 min  
Response: 1137258235  
Conc: 52.37 ng/ml m



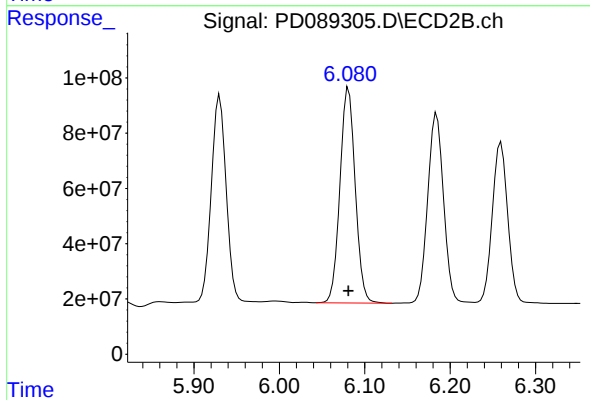
#15 Endosulfan II

R.T.: 6.793 min  
Delta R.T.: 0.007 min  
Response: 192073550  
Conc: 47.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

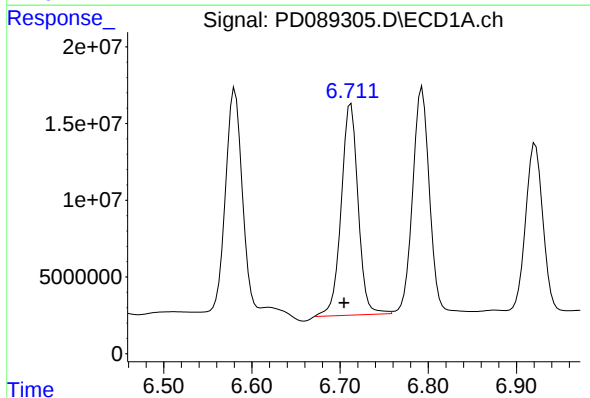
Manual Integrations  
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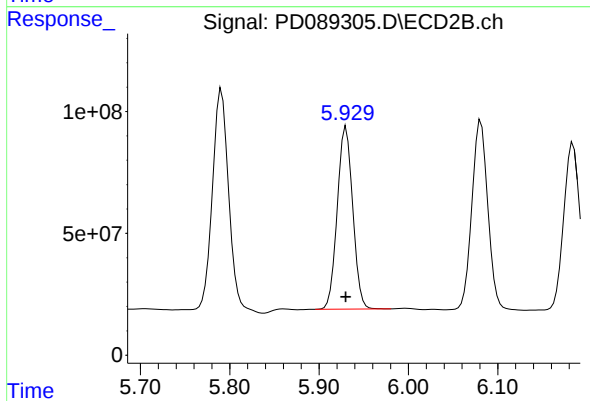
#15 Endosulfan II

R.T.: 6.081 min  
Delta R.T.: 0.000 min  
Response: 969775061  
Conc: 48.02 ng/ml



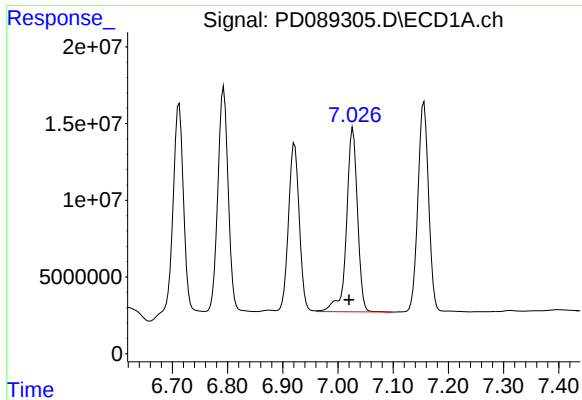
#16 4,4'-DDD

R.T.: 6.712 min  
Delta R.T.: 0.008 min  
Response: 183643003  
Conc: 53.51 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min  
Delta R.T.: 0.000 min  
Response: 900352194  
Conc: 47.07 ng/ml



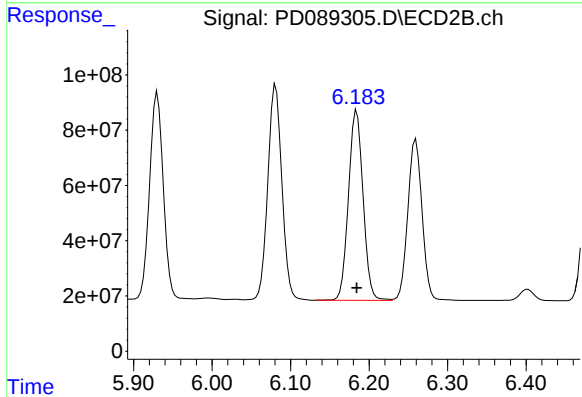
#17 4,4'-DDT

R.T.: 7.027 min  
Delta R.T.: 0.007 min  
Response: 166302430  
Conc: 43.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

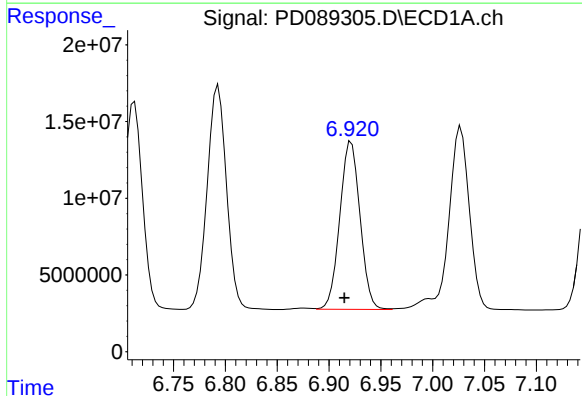
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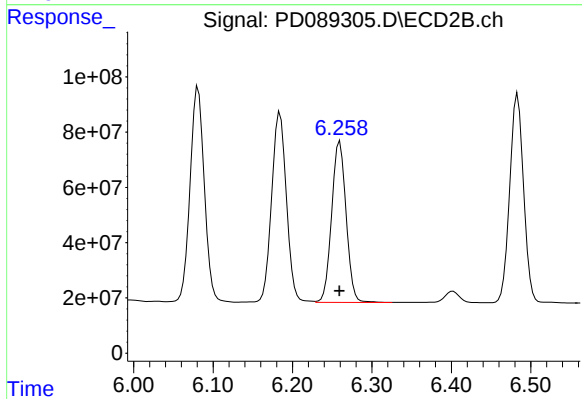
#17 4,4'-DDT

R.T.: 6.184 min  
Delta R.T.: 0.000 min  
Response: 890444693  
Conc: 43.91 ng/ml



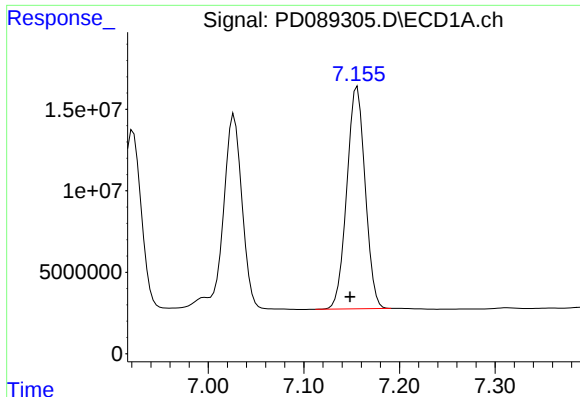
#18 Endrin aldehyde

R.T.: 6.921 min  
Delta R.T.: 0.007 min  
Response: 148710791  
Conc: 48.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min  
Delta R.T.: 0.000 min  
Response: 738493337  
Conc: 48.23 ng/ml



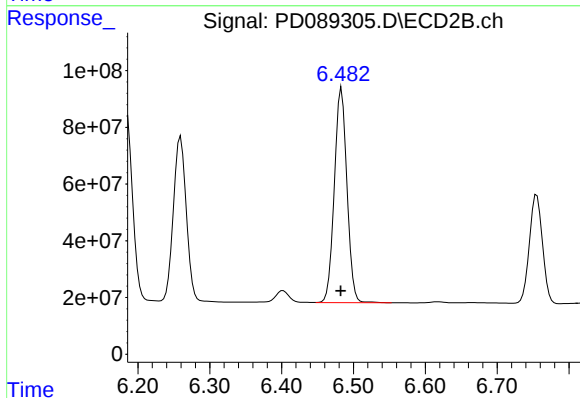
#19 Endosulfan Sulfate

R.T.: 7.156 min  
Delta R.T.: 0.008 min  
Response: 182318840  
Conc: 47.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

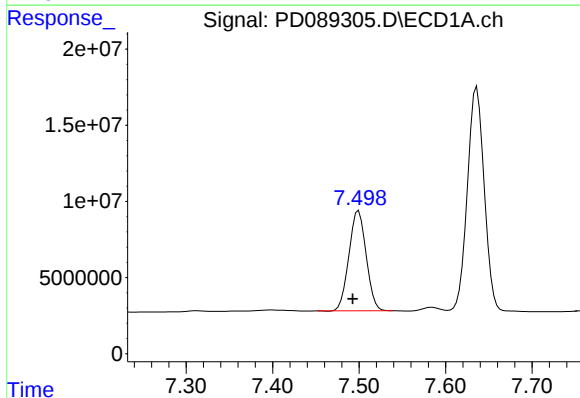
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/03/2025  
Supervised By :mohammad ahmed 07/04/2025



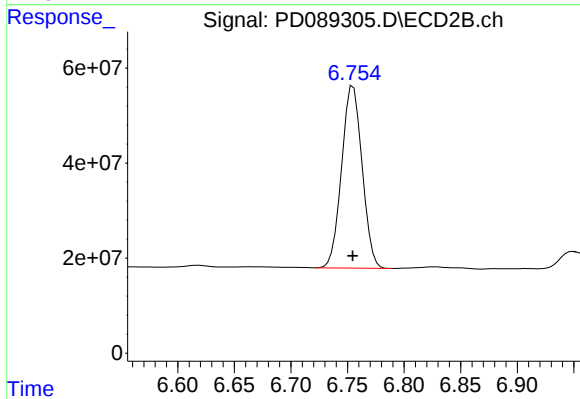
#19 Endosulfan Sulfate

R.T.: 6.483 min  
Delta R.T.: 0.001 min  
Response: 919483839  
Conc: 46.86 ng/ml



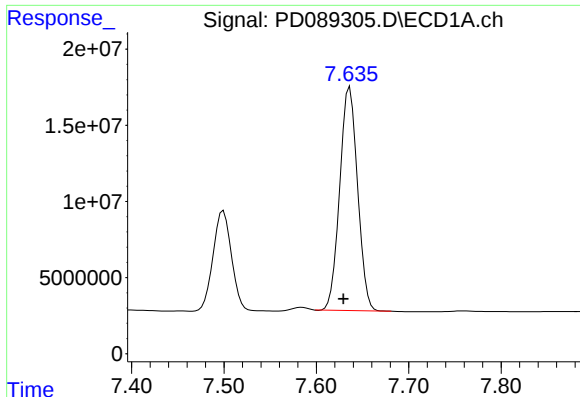
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.007 min  
Response: 90639290  
Conc: 44.86 ng/ml



#20 Methoxychlor

R.T.: 6.755 min  
Delta R.T.: 0.000 min  
Response: 483491732  
Conc: 44.90 ng/ml



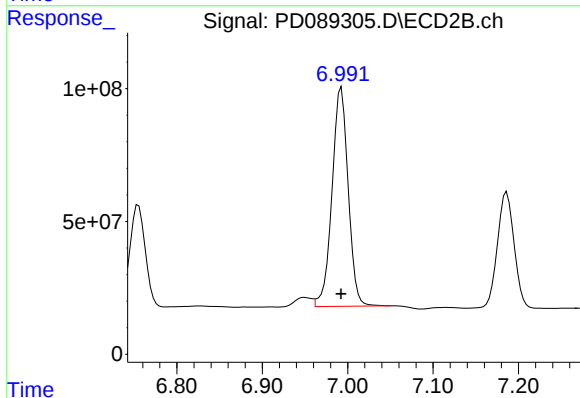
#21 Endrin ketone

R.T.: 7.636 min  
Delta R.T.: 0.007 min  
Response: 197135493  
Conc: 48.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

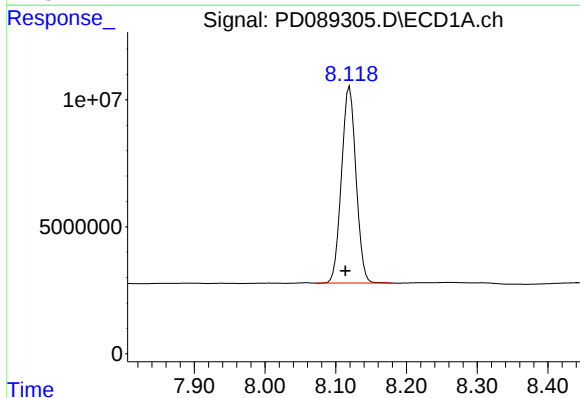
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/03/2025  
Supervised By :mohammad ahmed 07/04/2025



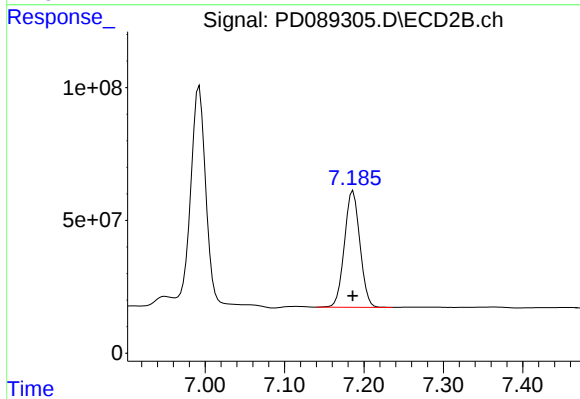
#21 Endrin ketone

R.T.: 6.993 min  
Delta R.T.: 0.000 min  
Response: 1086414788  
Conc: 50.29 ng/ml



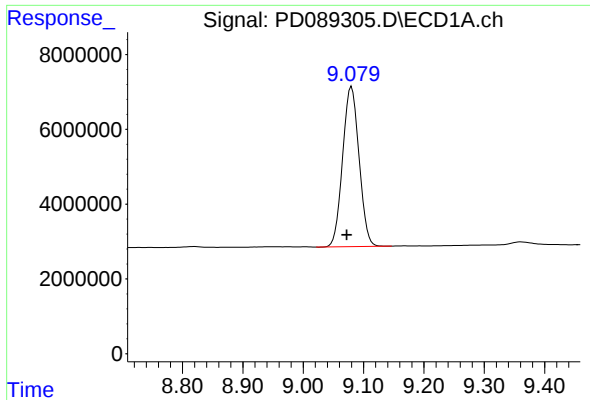
#22 Mirex

R.T.: 8.120 min  
Delta R.T.: 0.006 min  
Response: 110354430  
Conc: 36.30 ng/ml



#22 Mirex

R.T.: 7.186 min  
Delta R.T.: 0.000 min  
Response: 596165854  
Conc: 35.75 ng/ml



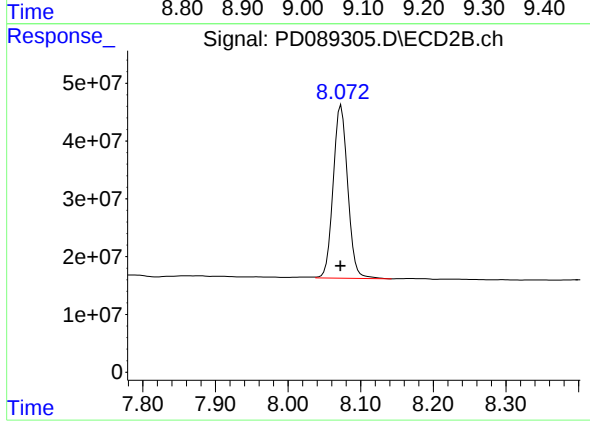
#28 Decachlorobiphenyl

R.T.: 9.080 min  
Delta R.T.: 0.008 min  
Response: 80734322  
Conc: 20.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168693BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/03/2025  
Supervised By :mohammad ahmed 07/04/2025



#28 Decachlorobiphenyl

R.T.: 8.073 min  
Delta R.T.: 0.000 min  
Response: 416138802  
Conc: 21.05 ng/ml