

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052725\  
 Data File : PL095783.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 27 May 2025 10:01  
 Operator : AR\AJ  
 Sample : PB168151BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB168151BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/28/2025  
 Supervised By : mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 27 13:26:06 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL052125.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|---------|
| -----                       |                 |       |       |          |          |        |         |
| System Monitoring Compounds |                 |       |       |          |          |        |         |
| 1)                          | SA Tetrachlo... | 3.576 | 2.881 | 65337656 | 76451575 | 20.707 | 19.533  |
| 28)                         | SA Decachlor... | 9.103 | 8.058 | 51490444 | 98463285 | 21.852 | 22.509  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 4.028 | 3.391 | 222.3E6  | 266.5E6  | 45.850 | 45.491  |
| 3)                          | MA gamma-BHC... | 4.359 | 3.725 | 203.1E6  | 252.4E6  | 45.419 | 45.067  |
| 4)                          | MA Heptachlor   | 4.958 | 4.077 | 173.0E6  | 249.0E6  | 45.706 | 44.398  |
| 5)                          | MB Aldrin       | 5.300 | 4.362 | 200.2E6  | 243.5E6  | 46.802 | 45.874  |
| 6)                          | B beta-BHC      | 4.548 | 4.020 | 88790389 | 109.2E6  | 45.040 | 44.089  |
| 7)                          | B delta-BHC     | 4.795 | 4.255 | 200.1E6  | 253.2E6  | 45.129 | 44.840  |
| 8)                          | B Heptachlo...  | 5.721 | 4.865 | 178.3E6  | 226.0E6  | 46.716 | 45.776  |
| 9)                          | A Endosulfan I  | 6.104 | 5.237 | 170.7E6  | 218.2E6  | 46.575 | 45.795  |
| 10)                         | B gamma-Chl...  | 5.976 | 5.118 | 185.5E6  | 243.2E6  | 47.654 | 46.306  |
| 11)                         | B alpha-Chl...  | 6.057 | 5.182 | 184.7E6  | 239.1E6  | 46.793 | 45.954  |
| 12)                         | B 4,4'-DDE      | 6.227 | 5.367 | 171.4E6  | 246.2E6  | 46.724 | 45.915m |
| 13)                         | MA Dieldrin     | 6.378 | 5.502 | 182.3E6  | 243.7E6  | 47.231 | 45.982  |
| 14)                         | MA Endrin       | 6.605 | 5.777 | 146.7E6  | 217.2E6  | 45.473 | 44.551  |
| 15)                         | B Endosulfa...  | 6.818 | 6.068 | 156.9E6  | 219.2E6  | 45.544 | 46.133  |
| 16)                         | A 4,4'-DDD      | 6.737 | 5.921 | 133.5E6  | 202.7E6  | 45.556 | 46.232  |
| 17)                         | MA 4,4'-DDT     | 7.053 | 6.175 | 125.1E6  | 217.1E6  | 46.231 | 45.396  |
| 18)                         | B Endrin al...  | 6.947 | 6.246 | 113.0E6  | 161.3E6  | 46.742 | 46.706  |
| 19)                         | B Endosulfa...  | 7.181 | 6.469 | 138.6E6  | 205.5E6  | 46.398 | 45.724  |
| 20)                         | A Methoxychlor  | 7.525 | 6.745 | 60895787 | 112.5E6  | 47.749 | 42.997  |
| 21)                         | B Endrin ke...  | 7.662 | 6.975 | 147.5E6  | 239.7E6  | 46.569 | 46.323  |
| 22)                         | Mirex           | 8.143 | 7.168 | 110.2E6  | 192.2E6  | 47.618 | 47.324  |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052725\  
Data File : PL095783.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 27 May 2025 10:01  
Operator : AR\AJ  
Sample : PB168151BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD\_L

ClientSampleId :

PB168151BS

Manual Integrations

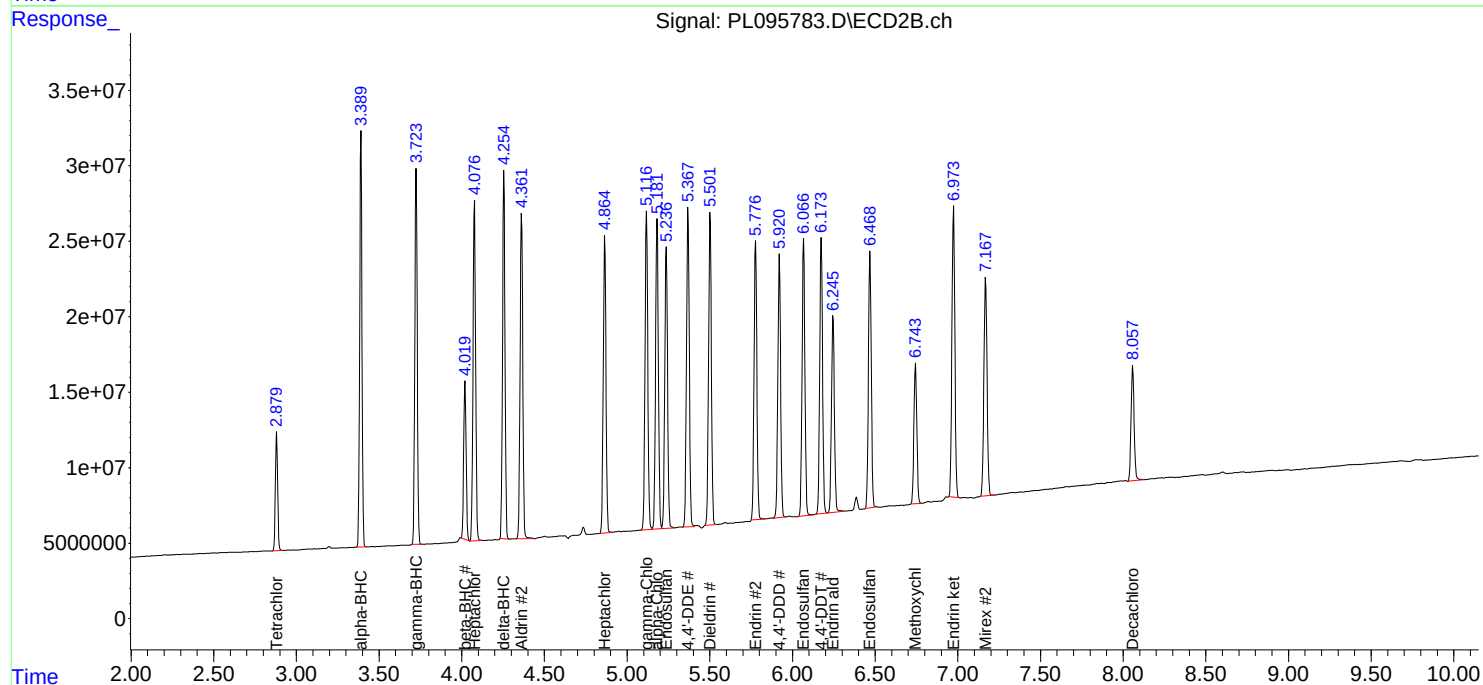
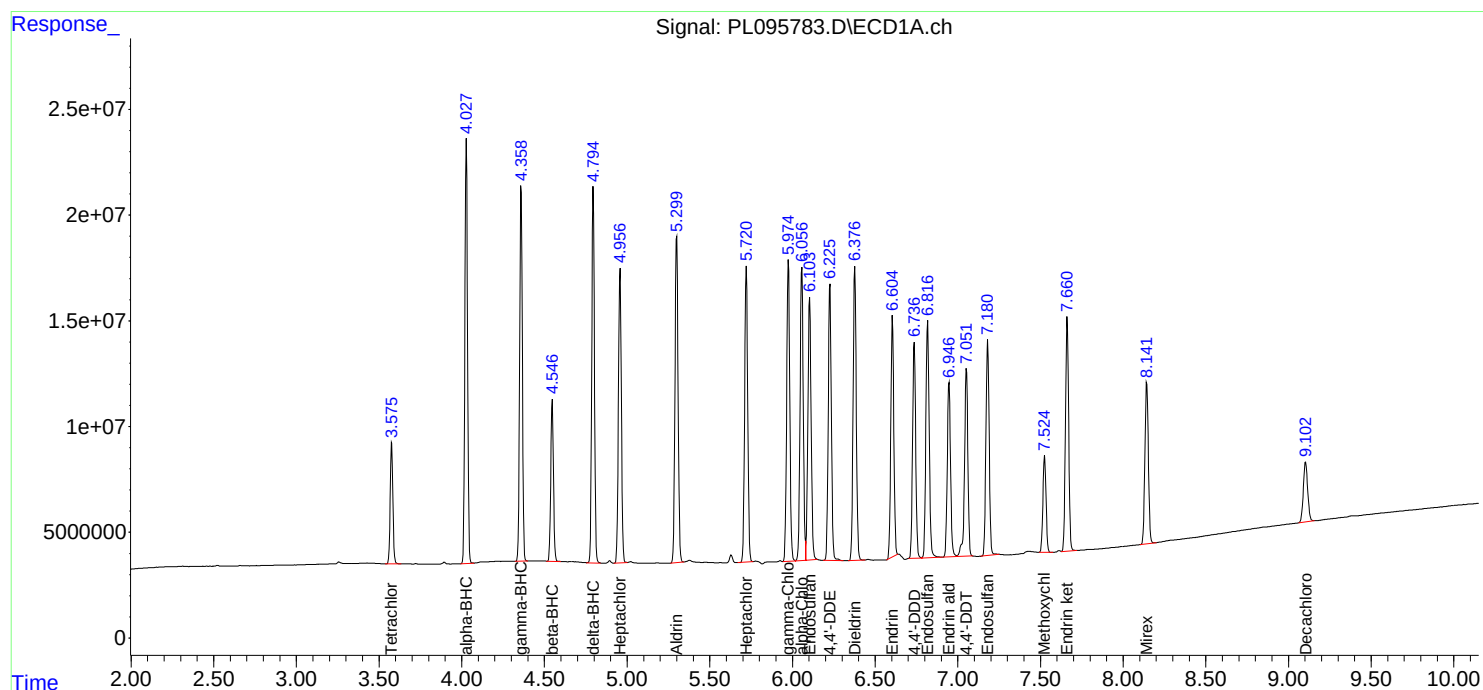
APPROVED

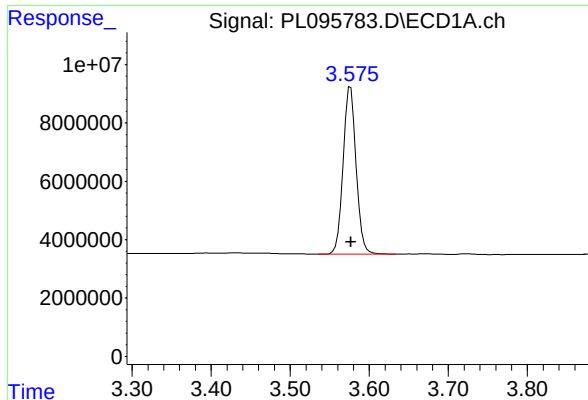
Reviewed By :Abdul Mirza 05/28/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 27 13:26:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL052125.M  
Quant Title : GC Extractables  
QLast Update : Thu May 22 06:29:30 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 x0.25µm





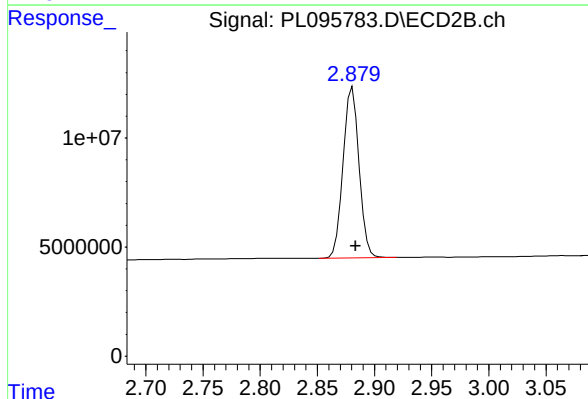
#1 Tetrachloro-m-xylene

R.T.: 3.576 min  
Delta R.T.: 0.000 min  
Response: 65337656  
Conc: 20.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

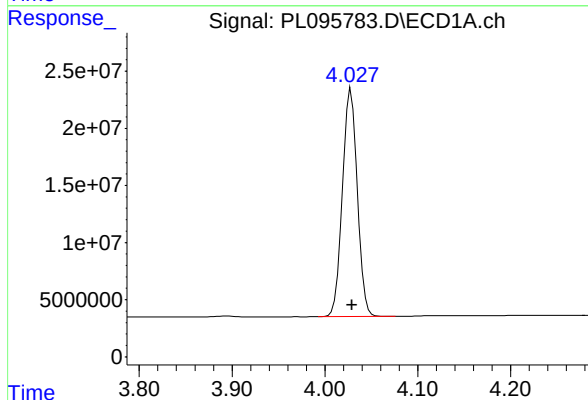
Manual Integrations  
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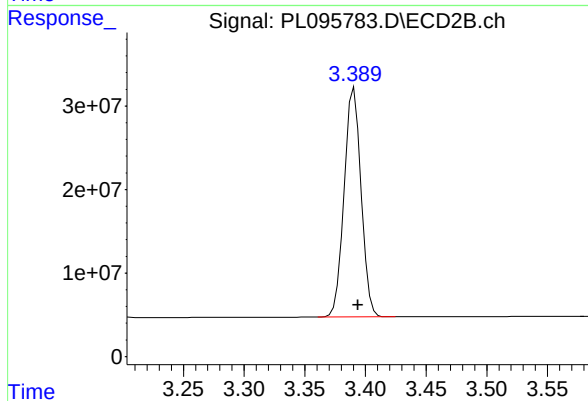
#1 Tetrachloro-m-xylene

R.T.: 2.881 min  
Delta R.T.: -0.003 min  
Response: 76451575  
Conc: 19.53 ng/ml



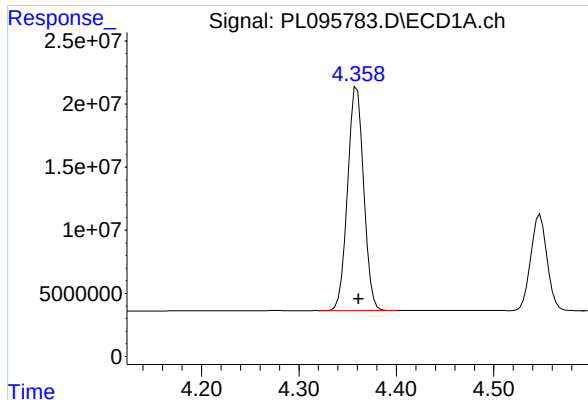
#2 alpha-BHC

R.T.: 4.028 min  
Delta R.T.: 0.000 min  
Response: 222277330  
Conc: 45.85 ng/ml



#2 alpha-BHC

R.T.: 3.391 min  
Delta R.T.: -0.003 min  
Response: 266457036  
Conc: 45.49 ng/ml



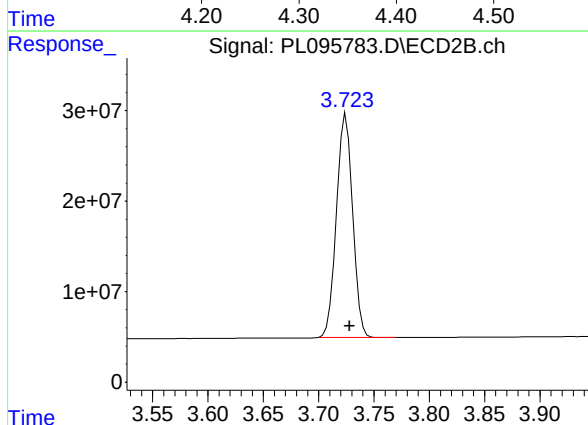
#3 gamma-BHC (Lindane)

R.T.: 4.359 min  
Delta R.T.: -0.002 min  
Response: 203106306  
Conc: 45.42 ng/ml

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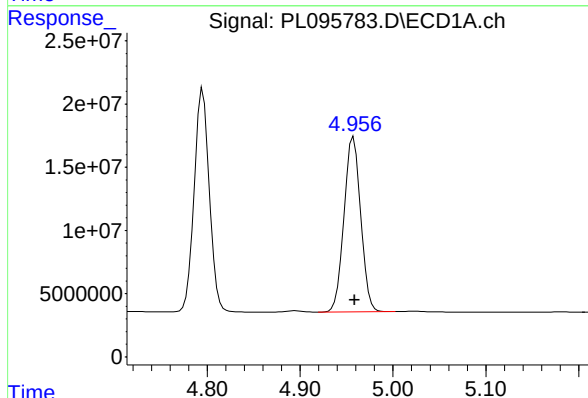
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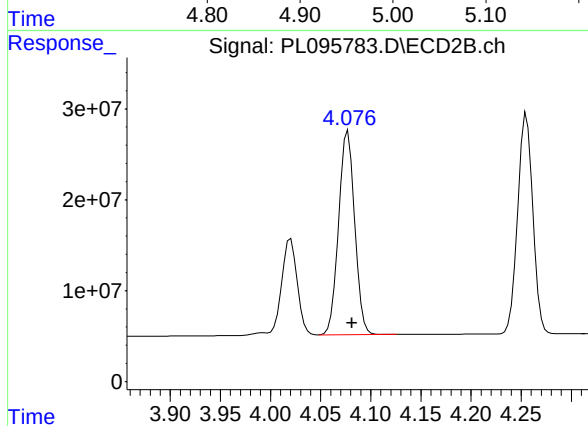
#3 gamma-BHC (Lindane)

R.T.: 3.725 min  
Delta R.T.: -0.003 min  
Response: 252432898  
Conc: 45.07 ng/ml



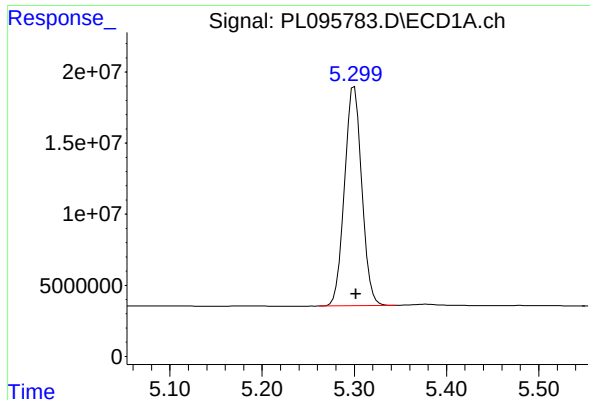
#4 Heptachlor

R.T.: 4.958 min  
Delta R.T.: -0.001 min  
Response: 173000524  
Conc: 45.71 ng/ml



#4 Heptachlor

R.T.: 4.077 min  
Delta R.T.: -0.004 min  
Response: 249031171  
Conc: 44.40 ng/ml



#5 Aldrin

R.T.: 5.300 min  
Delta R.T.: -0.002 min  
Response: 200207660  
Conc: 46.80 ng/ml

Instrument :

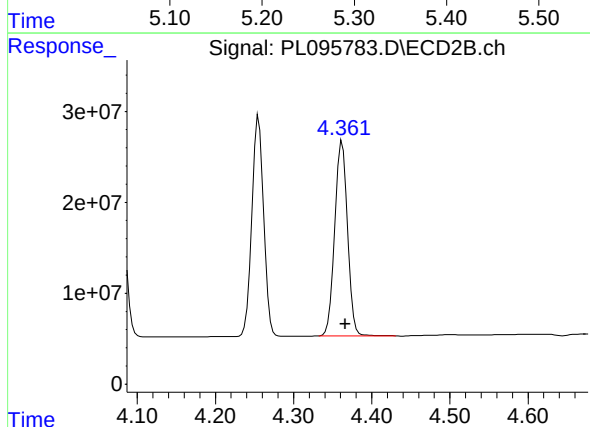
ECD\_L

ClientSampleId :

PB168151BS

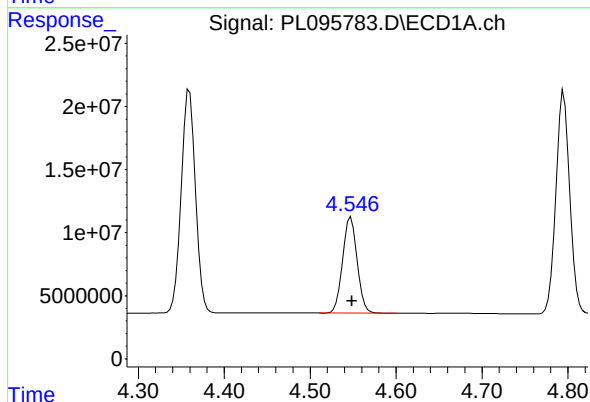
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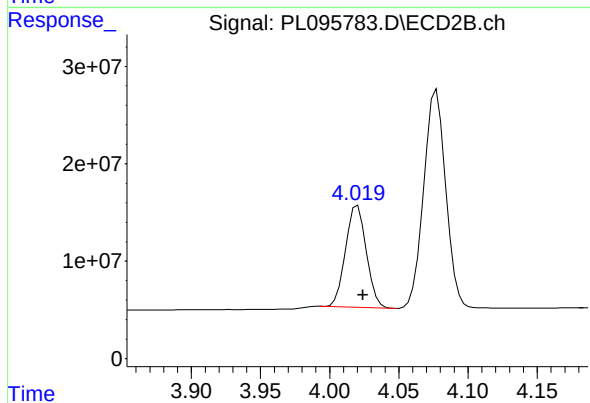
#5 Aldrin

R.T.: 4.362 min  
Delta R.T.: -0.004 min  
Response: 243456840  
Conc: 45.87 ng/ml



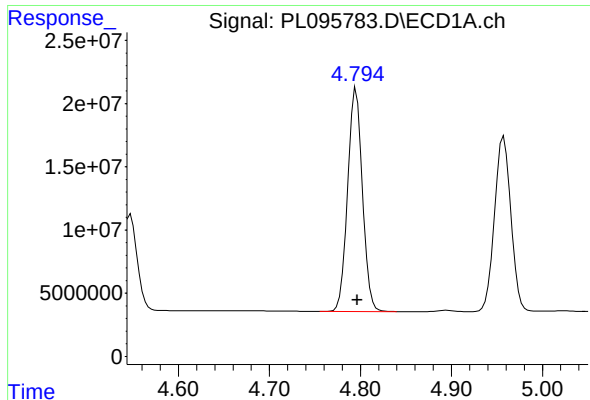
#6 beta-BHC

R.T.: 4.548 min  
Delta R.T.: -0.001 min  
Response: 88790389  
Conc: 45.04 ng/ml



#6 beta-BHC

R.T.: 4.020 min  
Delta R.T.: -0.004 min  
Response: 109234021  
Conc: 44.09 ng/ml



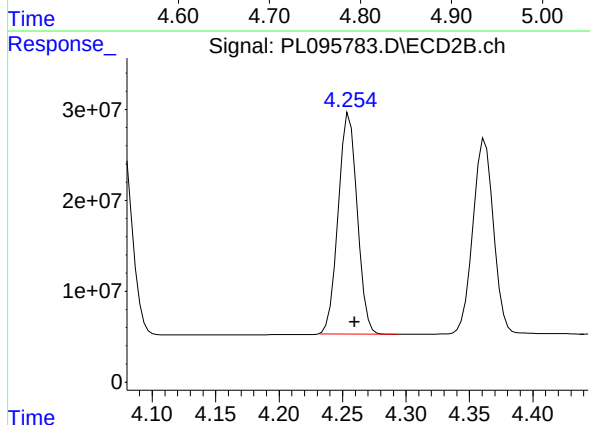
#7 delta-BHC

R.T.: 4.795 min  
Delta R.T.: -0.001 min  
Response: 200086267  
Conc: 45.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

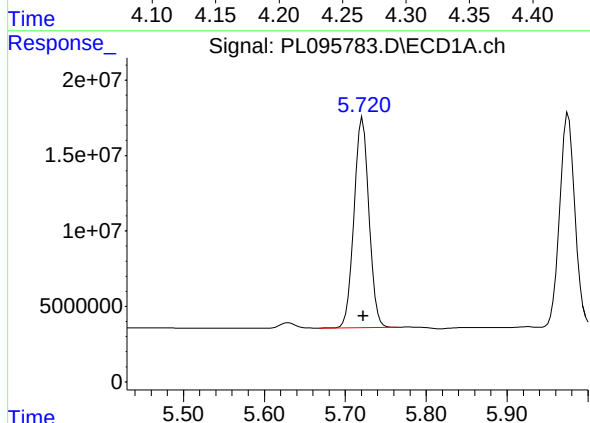
Manual Integrations  
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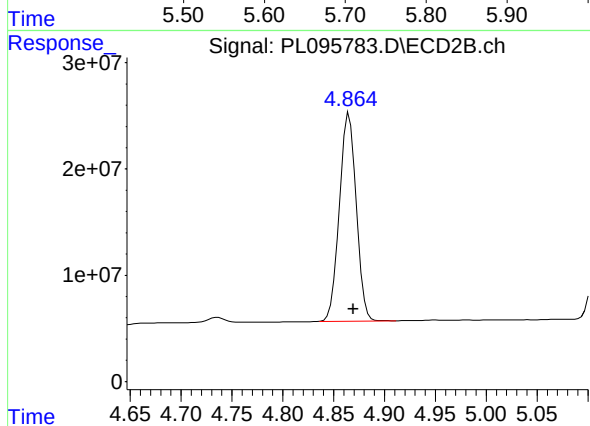
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: -0.004 min  
Response: 253225344  
Conc: 44.84 ng/ml



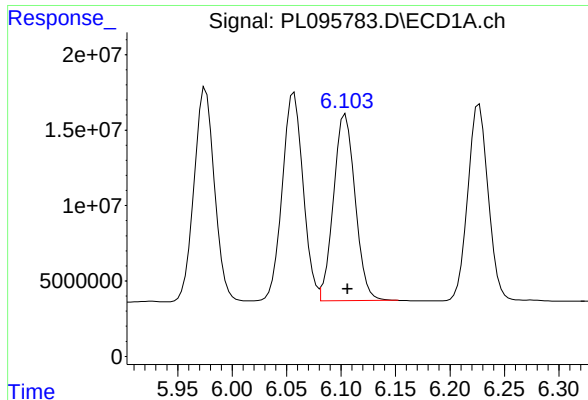
#8 Heptachlor epoxide

R.T.: 5.721 min  
Delta R.T.: -0.001 min  
Response: 178308670  
Conc: 46.72 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min  
Delta R.T.: -0.004 min  
Response: 226013386  
Conc: 45.78 ng/ml



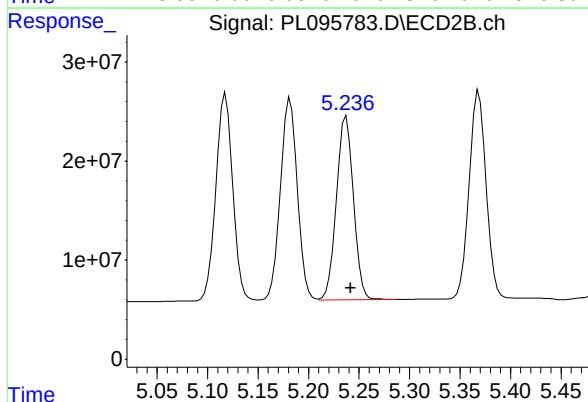
#9 Endosulfan I

R.T.: 6.104 min  
Delta R.T.: -0.002 min  
Response: 170689807  
Conc: 46.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

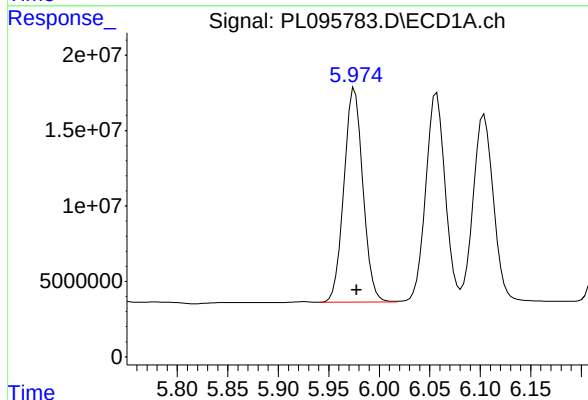
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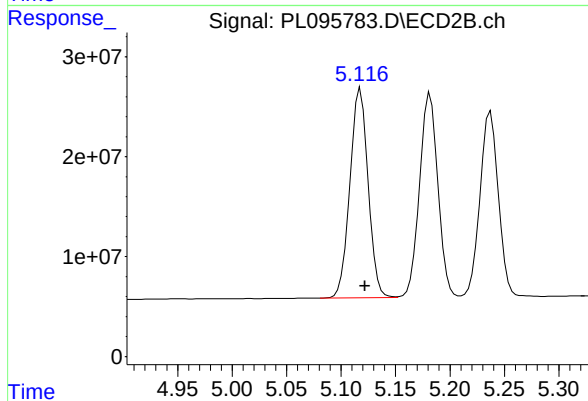
#9 Endosulfan I

R.T.: 5.237 min  
Delta R.T.: -0.005 min  
Response: 218213438  
Conc: 45.80 ng/ml



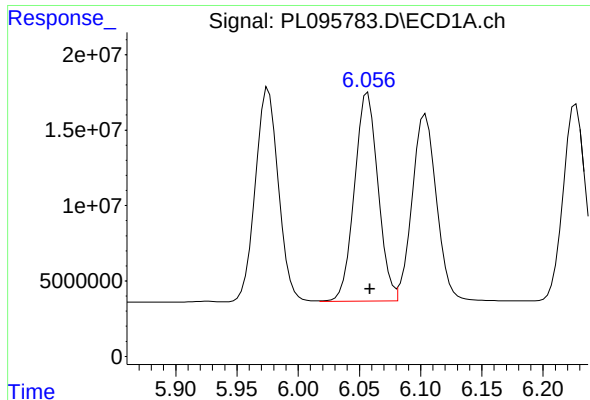
#10 gamma-Chlordane

R.T.: 5.976 min  
Delta R.T.: -0.002 min  
Response: 185474695  
Conc: 47.65 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min  
Delta R.T.: -0.004 min  
Response: 243229950  
Conc: 46.31 ng/ml



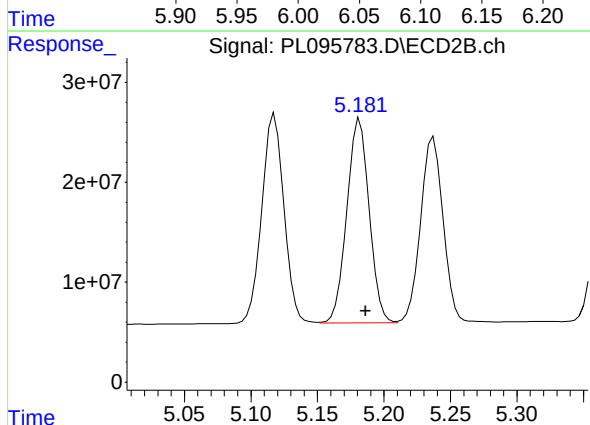
#11 alpha-Chlordane

R.T.: 6.057 min  
Delta R.T.: -0.002 min  
Response: 184748080  
Conc: 46.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

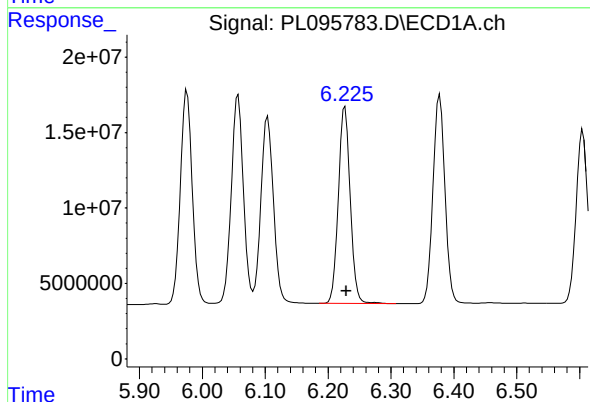
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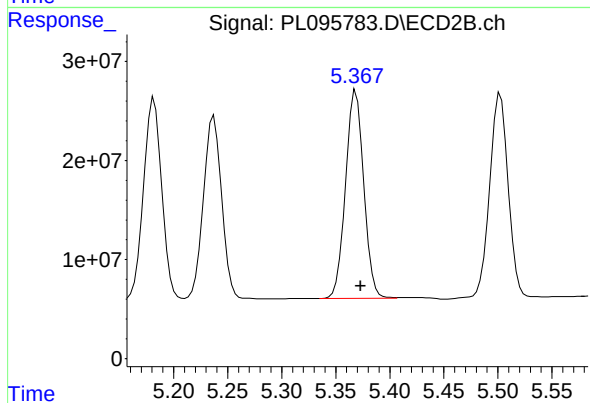
#11 alpha-Chlordane

R.T.: 5.182 min  
Delta R.T.: -0.005 min  
Response: 239088747  
Conc: 45.95 ng/ml



#12 4,4'-DDE

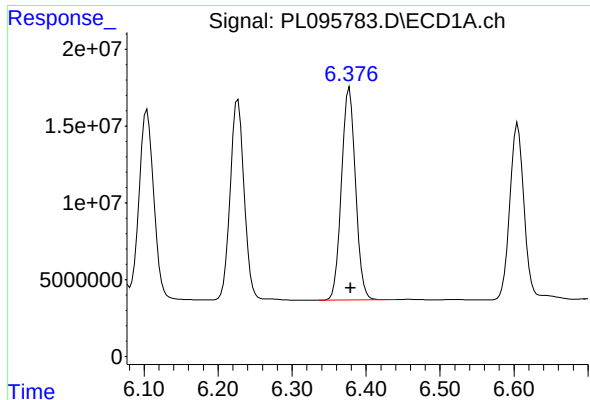
R.T.: 6.227 min  
Delta R.T.: -0.002 min  
Response: 171380501  
Conc: 46.72 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min  
Delta R.T.: -0.006 min  
Response: 246203943  
Conc: 45.92 ng/ml m





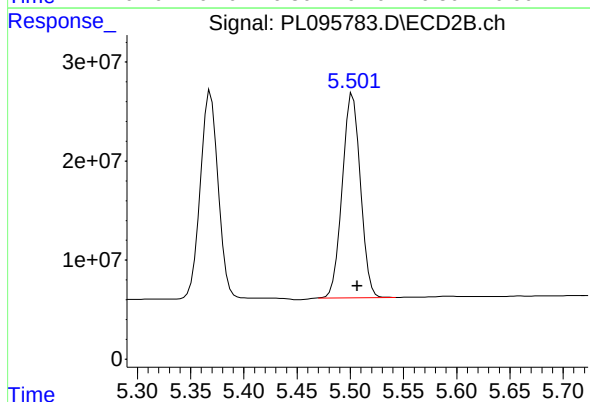
#13 Dieldrin

R.T.: 6.378 min  
Delta R.T.: -0.002 min  
Response: 182274298  
Conc: 47.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

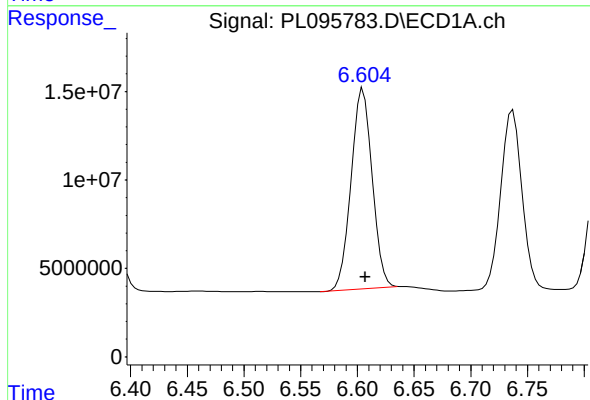
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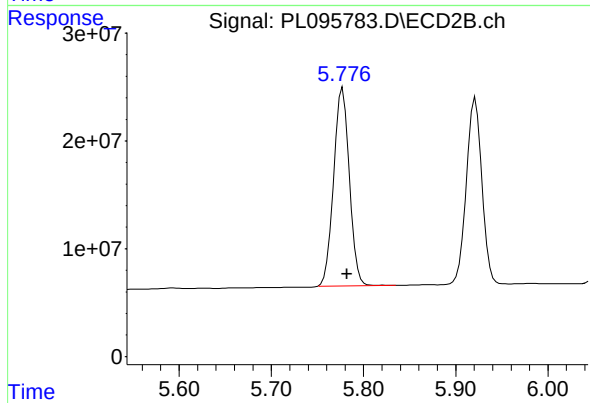
#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: -0.004 min  
Response: 243708983  
Conc: 45.98 ng/ml



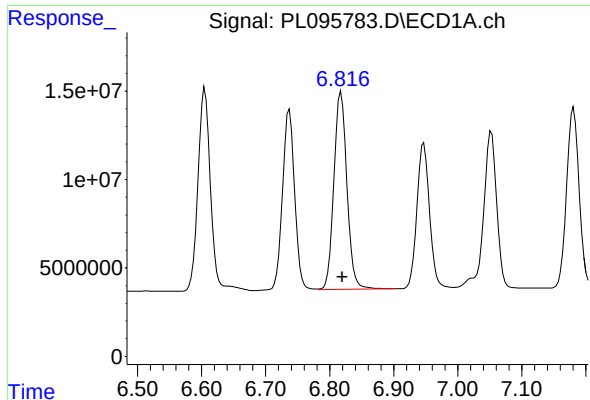
#14 Endrin

R.T.: 6.605 min  
Delta R.T.: -0.002 min  
Response: 146731005  
Conc: 45.47 ng/ml



#14 Endrin

R.T.: 5.777 min  
Delta R.T.: -0.004 min  
Response: 217234039  
Conc: 44.55 ng/ml



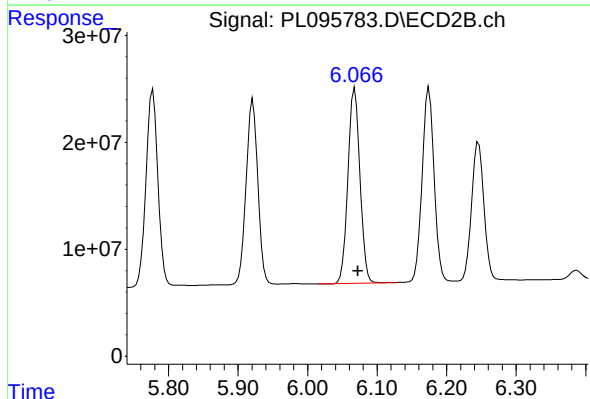
#15 Endosulfan II

R.T.: 6.818 min  
Delta R.T.: -0.002 min  
Response: 156947899  
Conc: 45.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

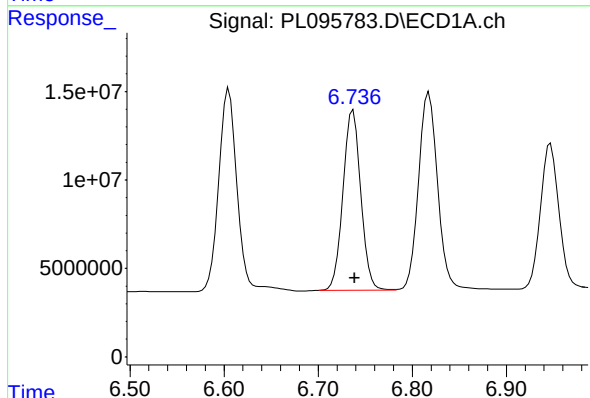
Manual Integrations  
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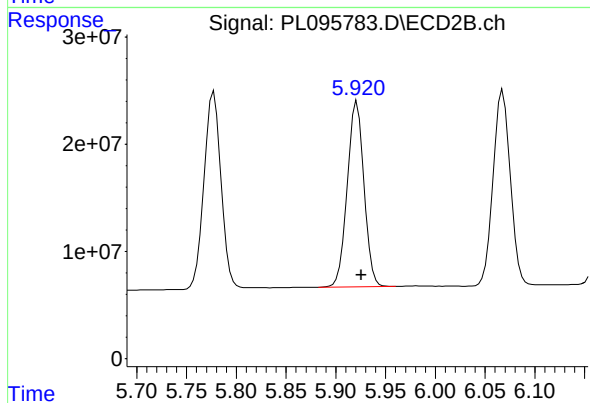
#15 Endosulfan II

R.T.: 6.068 min  
Delta R.T.: -0.005 min  
Response: 219211800  
Conc: 46.13 ng/ml



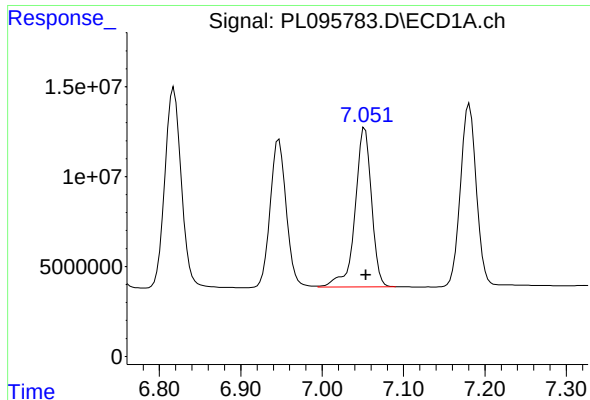
#16 4,4'-DDD

R.T.: 6.737 min  
Delta R.T.: -0.002 min  
Response: 133507286  
Conc: 45.56 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min  
Delta R.T.: -0.004 min  
Response: 202722923  
Conc: 46.23 ng/ml



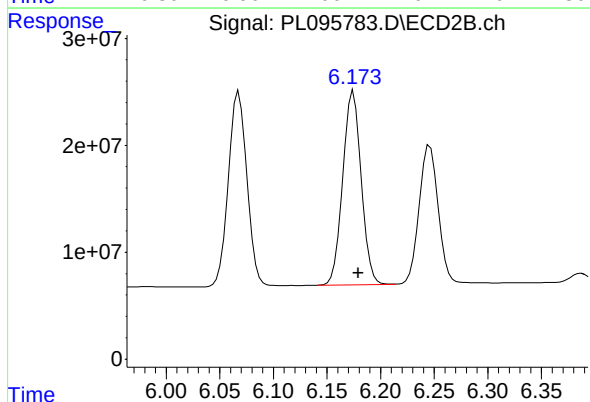
#17 4,4'-DDT

R.T.: 7.053 min  
Delta R.T.: -0.001 min  
Response: 125061269  
Conc: 46.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

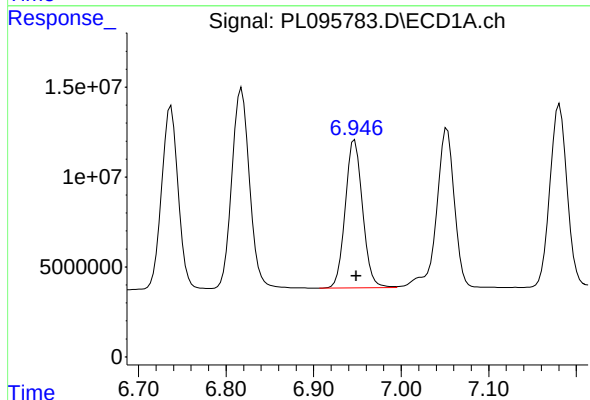
Manual Integrations  
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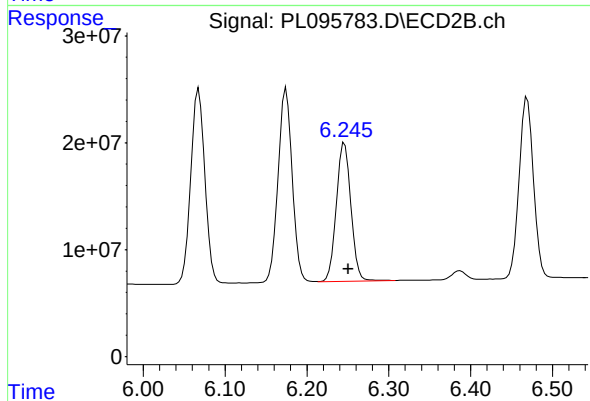
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: -0.005 min  
Response: 217110199  
Conc: 45.40 ng/ml



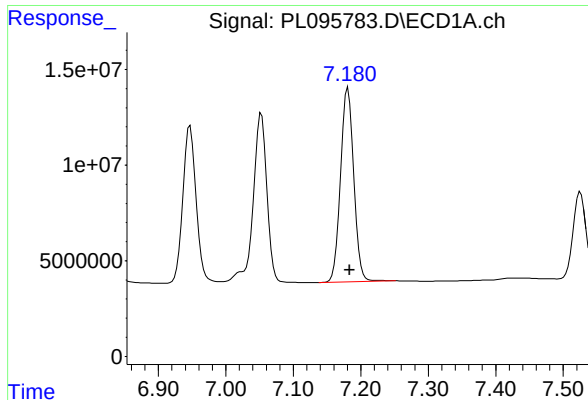
#18 Endrin aldehyde

R.T.: 6.947 min  
Delta R.T.: -0.002 min  
Response: 113004005  
Conc: 46.74 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min  
Delta R.T.: -0.005 min  
Response: 161337746  
Conc: 46.71 ng/ml



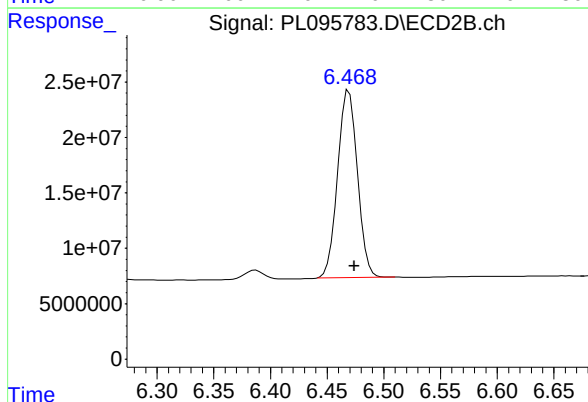
#19 Endosulfan Sulfate

R.T.: 7.181 min  
Delta R.T.: -0.002 min  
Response: 138588567  
Conc: 46.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

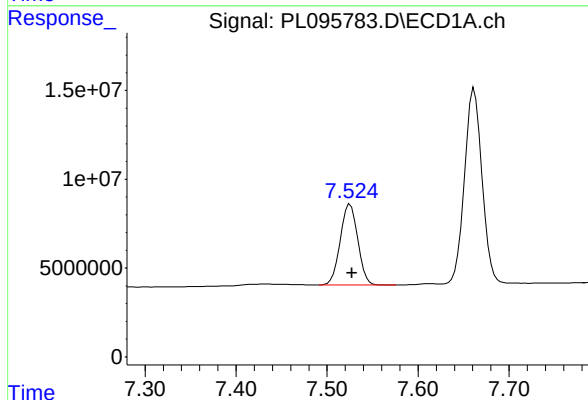
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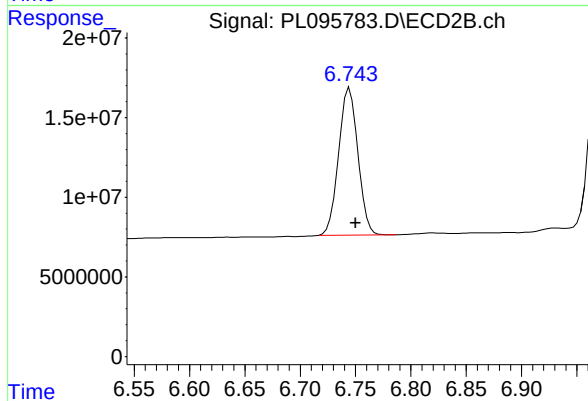
#19 Endosulfan Sulfate

R.T.: 6.469 min  
Delta R.T.: -0.005 min  
Response: 205516588  
Conc: 45.72 ng/ml



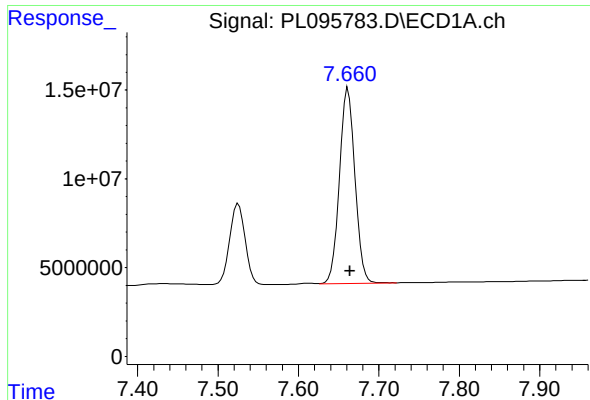
#20 Methoxychlor

R.T.: 7.525 min  
Delta R.T.: -0.002 min  
Response: 60895787  
Conc: 47.75 ng/ml



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: -0.005 min  
Response: 112485196  
Conc: 43.00 ng/ml



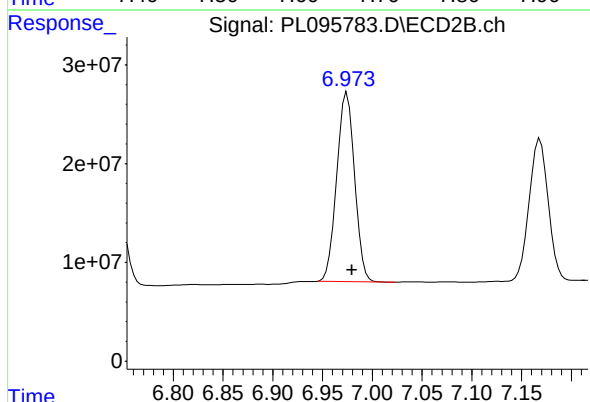
#21 Endrin ketone

R.T.: 7.662 min  
Delta R.T.: -0.003 min  
Response: 147481158  
Conc: 46.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

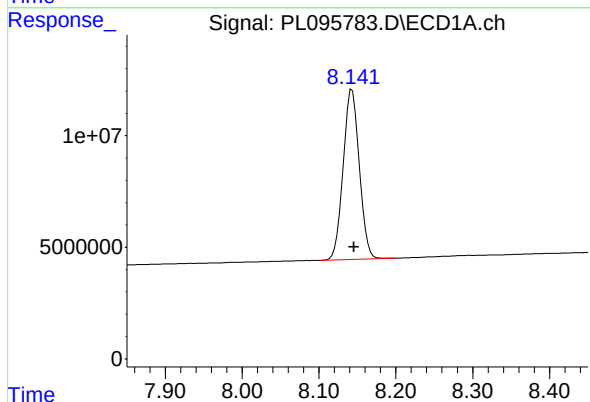
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/28/2025  
Supervised By :mohammad ahmed 05/30/2025



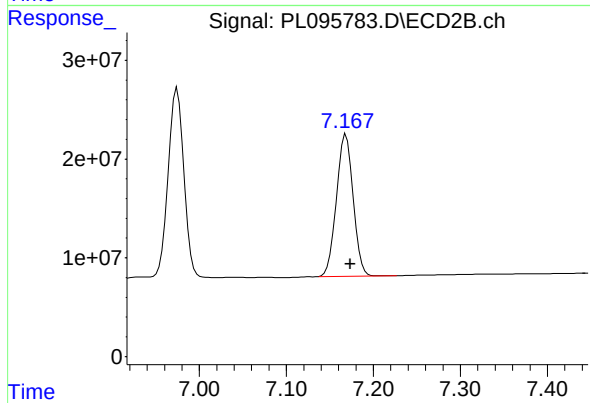
#21 Endrin ketone

R.T.: 6.975 min  
Delta R.T.: -0.005 min  
Response: 239668592  
Conc: 46.32 ng/ml



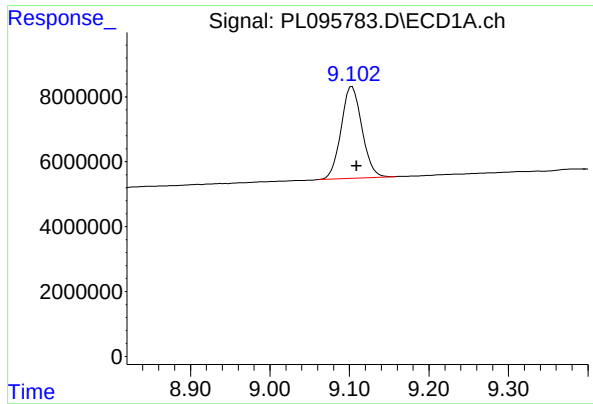
#22 Mirex

R.T.: 8.143 min  
Delta R.T.: -0.002 min  
Response: 110177062  
Conc: 47.62 ng/ml



#22 Mirex

R.T.: 7.168 min  
Delta R.T.: -0.005 min  
Response: 192157399  
Conc: 47.32 ng/ml



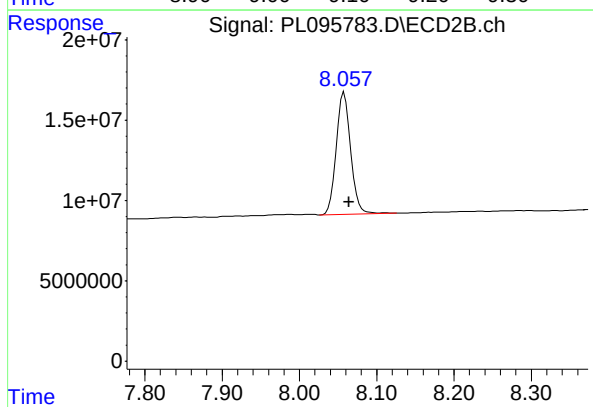
#28 Decachlorobiphenyl

R.T.: 9.103 min  
Delta R.T.: -0.006 min  
Response: 51490444  
Conc: 21.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168151BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/28/2025  
Supervised By :mohammad ahmed 05/30/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min  
Delta R.T.: -0.006 min  
Response: 98463285  
Conc: 22.51 ng/ml