

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL083023\  
 Data File : PL085095.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Aug 2023 16:05  
 Operator : AR\AJ  
 Sample : 04219-02MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 72-11939MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 08/31/2023  
 Supervised By : Ankita Jodhani 08/31/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 30 21:21:36 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080323.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Aug 03 16:21:43 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

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 x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.477 | 2.685 | 33570697 | 17010426 | 14.448  | 15.643   |
| 2)                          | SA Decachlor... | 9.028 | 7.864 | 16145236 | 17665381 | 9.923m  | 14.169m# |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.936 | 3.190 | 158.2E6  | 85268167 | 47.918  | 55.223   |
| 3)                          | MA gamma-BHC... | 4.268 | 3.520 | 155.9E6  | 81901083 | 48.857m | 53.899   |
| 4)                          | MA Heptachlor   | 4.861 | 3.861 | 153.3E6  | 80012598 | 45.586m | 56.183   |
| 5)                          | MB Aldrin       | 5.202 | 4.141 | 180.2E6  | 78367464 | 54.528m | 53.920   |
| 6)                          | B beta-BHC      | 4.470 | 3.823 | 63085981 | 34467582 | 45.161  | 51.443   |
| 7)                          | B delta-BHC     | 4.716 | 4.051 | 143.7E6  | 79904750 | 44.548  | 52.631   |
| 8)                          | B Heptachlo...  | 5.635 | 4.648 | 189.0E6  | 95753355 | 62.745  | 72.168   |
| 9)                          | A Endosulfan I  | 6.020 | 5.017 | 118.7E6  | 60884489 | 45.111  | 49.128m  |
| 10)                         | B gamma-Chl...  | 5.893 | 4.899 | 151.4E6  | 95001780 | 52.855  | 70.047m# |
| 11)                         | B alpha-Chl...  | 5.973 | 4.965 | 222.9E6  | 122.7E6  | 78.969  | 90.090   |
| 12)                         | B 4,4'-DDE      | 6.152 | 5.163 | 100.2E6  | 70507537 | 43.643  | 57.255 # |
| 13)                         | MA Dieldrin     | 6.298 | 5.284 | 115.1E6  | 71450909 | 43.554  | 52.623m  |
| 14)                         | MA Endrin       | 6.528 | 5.560 | 86695065 | 61308446 | 39.750  | 50.121 # |
| 15)                         | B Endosulfa...  | 6.749 | 5.859 | 84895023 | 72751430 | 40.139  | 60.295 # |
| 16)                         | A 4,4'-DDD      | 6.669 | 5.721 | 85631546 | 56347699 | 51.075m | 54.535   |
| 17)                         | MA 4,4'-DDT     | 6.985 | 5.972 | 89705757 | 62393528 | 47.876  | 53.762   |
| 18)                         | B Endrin al...  | 6.878 | 6.039 | 66263951 | 47504821 | 39.280m | 47.900   |
| 19)                         | B Endosulfa...  | 7.113 | 6.265 | 90924235 | 65275724 | 45.515m | 54.891   |
| 20)                         | A Methoxychlor  | 7.468 | 6.558 | 41676446 | 32750405 | 43.427  | 47.734   |
| 21)                         | B Endrin ke...  | 7.600 | 6.769 | 83502658 | 63599400 | 41.742  | 44.080   |
| 22)                         | Mirex           | 8.075 | 6.949 | 62155690 | 49404821 | 37.425  | 42.839   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL083023\  
Data File : PL085095.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Aug 2023 16:05  
Operator : AR\AJ  
Sample : 04219-02MSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

72-11939MSD

## Manual Integrations

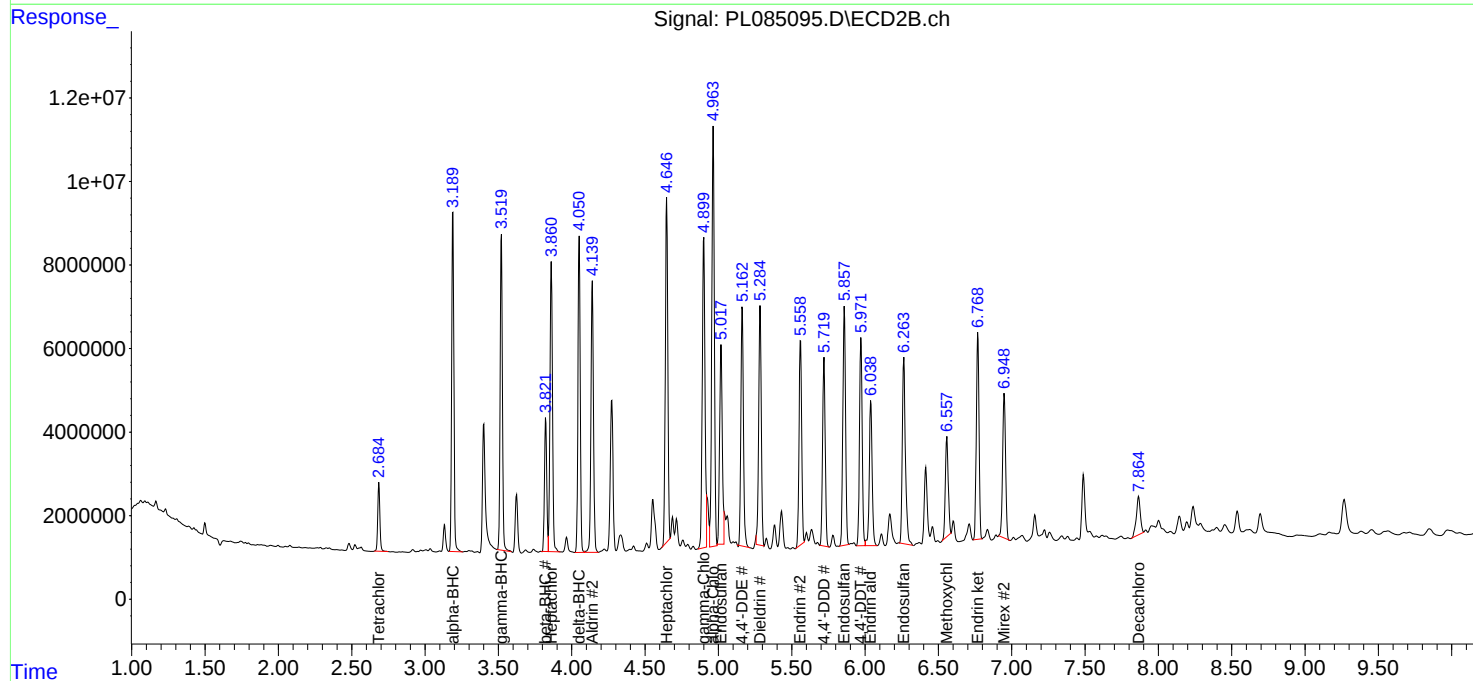
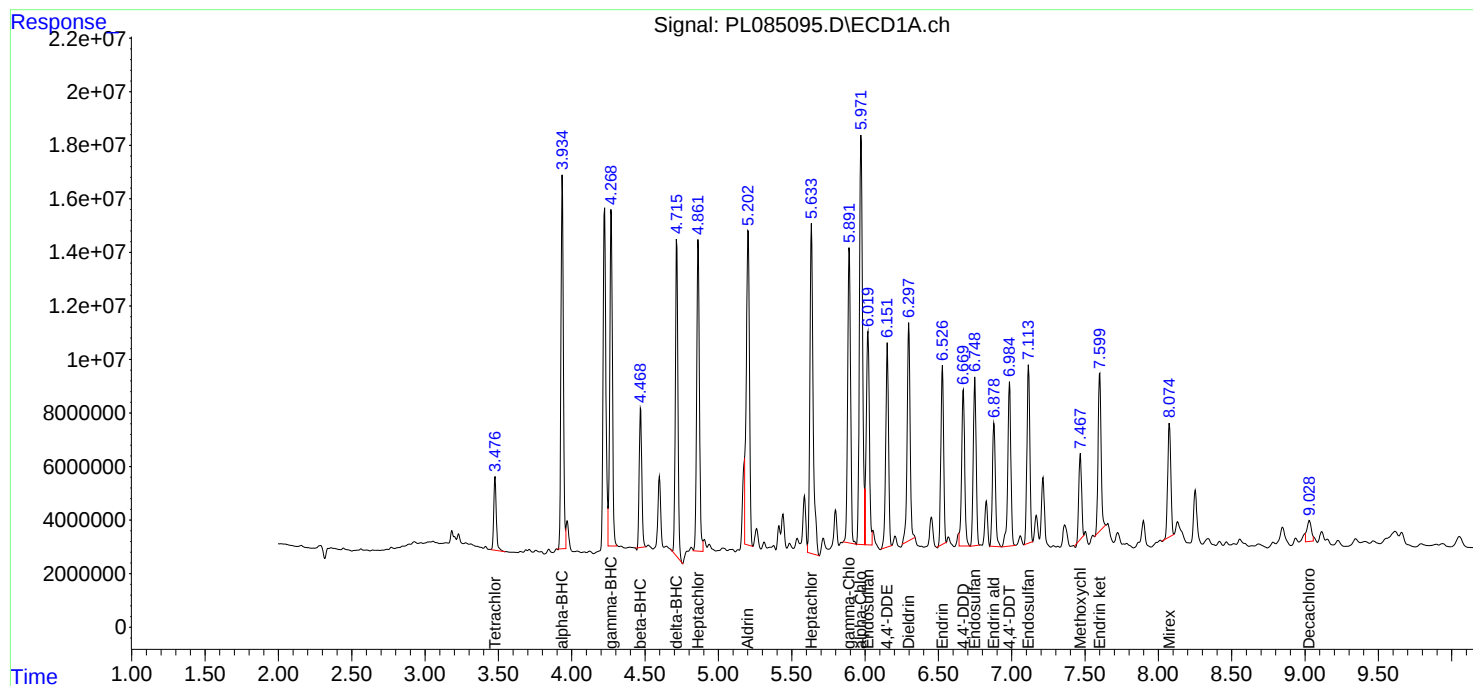
## APPROVED

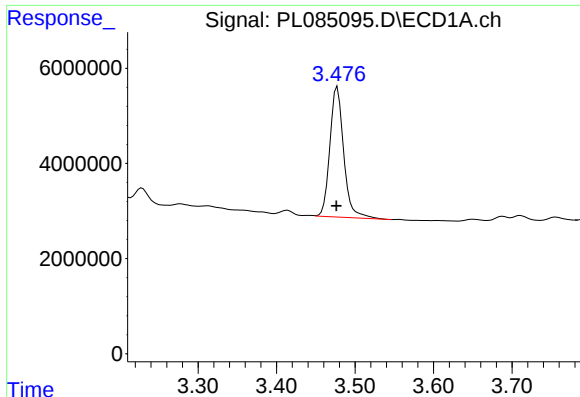
Reviewed By :Abdul Mirza 08/31/2023

Supervised By :Ankita Jodhani 08/31/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 30 21:21:36 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080323.M  
Quant Title : GC Extractables  
QLast Update : Thu Aug 03 16:21:43 2023  
Response via : Initial Calibration  
Integrator: ChemStation

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 x0.5µm





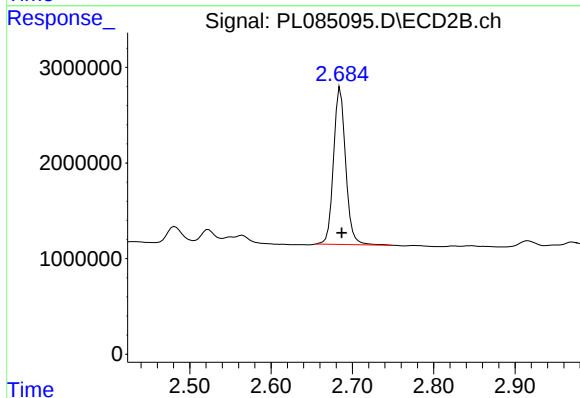
#1 Tetrachloro-m-xylene

R.T.: 3.477 min  
Delta R.T.: 0.001 min  
Response: 33570697  
Conc: 14.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

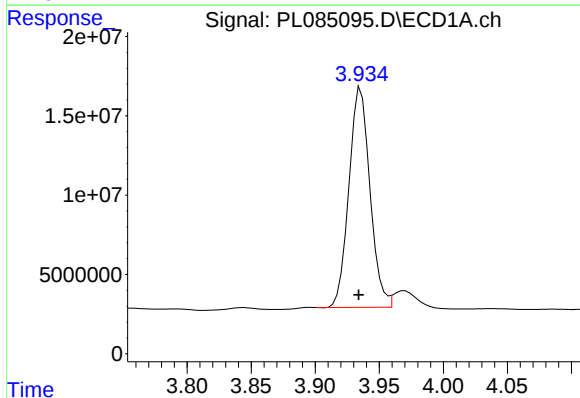
Manual Integrations  
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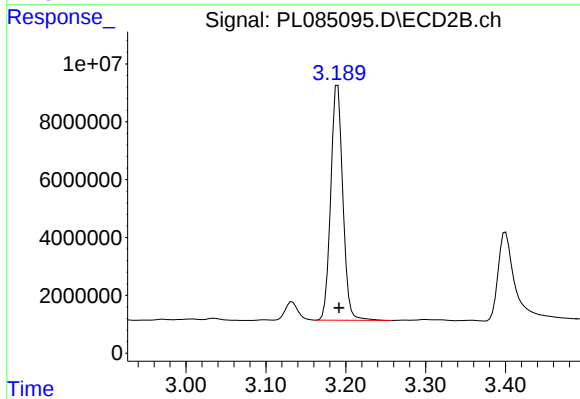
#1 Tetrachloro-m-xylene

R.T.: 2.685 min  
Delta R.T.: -0.002 min  
Response: 17010426  
Conc: 15.64 ng/ml



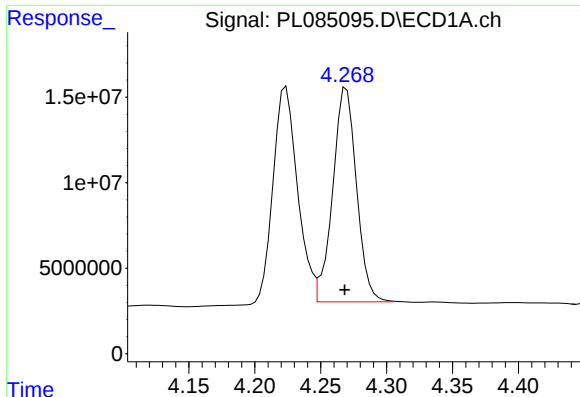
#2 alpha-BHC

R.T.: 3.936 min  
Delta R.T.: 0.002 min  
Response: 158195328  
Conc: 47.92 ng/ml



#2 alpha-BHC

R.T.: 3.190 min  
Delta R.T.: -0.002 min  
Response: 85268167  
Conc: 55.22 ng/ml



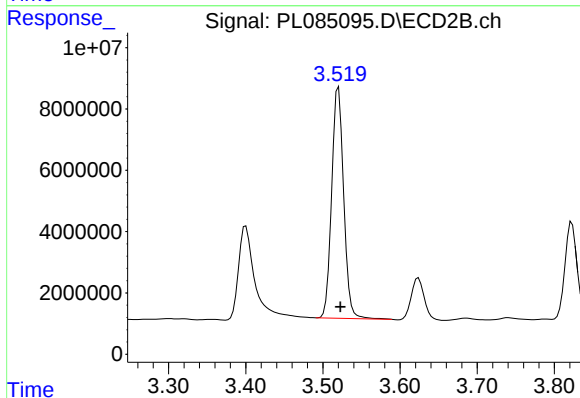
#3 gamma-BHC (Lindane)

R.T.: 4.268 min  
Delta R.T.: 0.000 min  
Response: 155854551  
Conc: 48.86 ng/ml

Instrument :  
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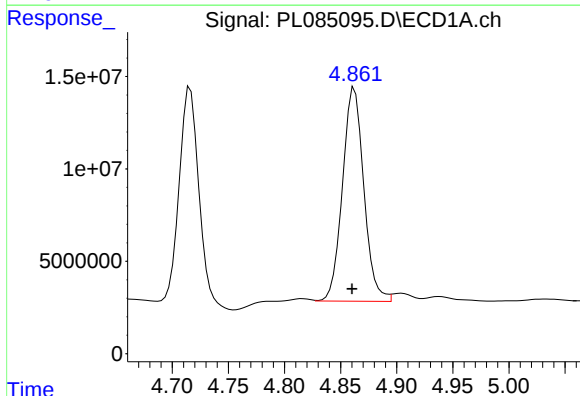
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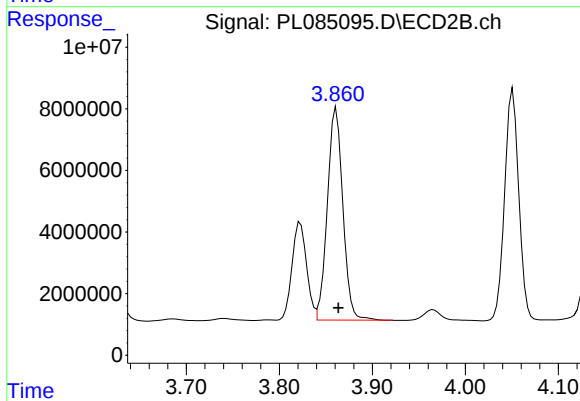
#3 gamma-BHC (Lindane)

R.T.: 3.520 min  
Delta R.T.: -0.002 min  
Response: 81901083  
Conc: 53.90 ng/ml



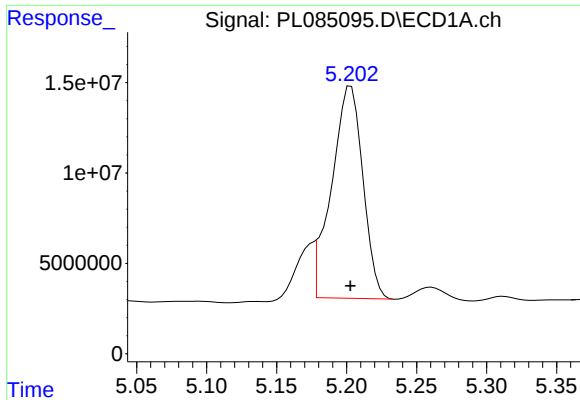
#4 Heptachlor

R.T.: 4.861 min  
Delta R.T.: 0.000 min  
Response: 153299050  
Conc: 45.59 ng/ml m



#4 Heptachlor

R.T.: 3.861 min  
Delta R.T.: -0.002 min  
Response: 80012598  
Conc: 56.18 ng/ml



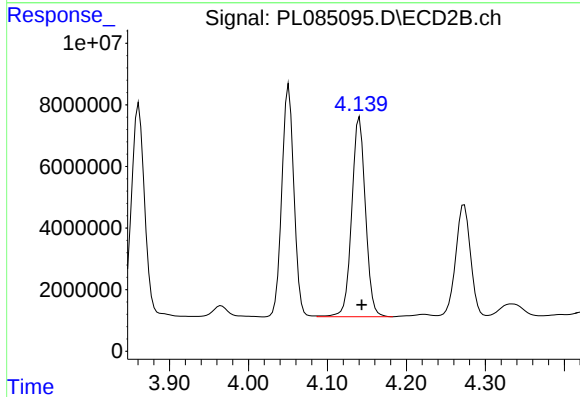
#5 Aldrin

R.T.: 5.202 min  
Delta R.T.: 0.000 min  
Response: 180235285  
Conc: 54.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

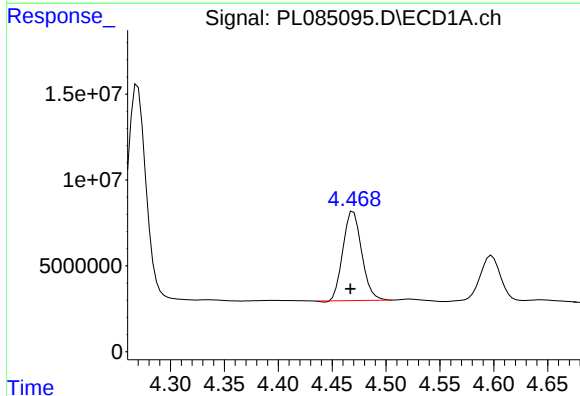
Manual Integrations  
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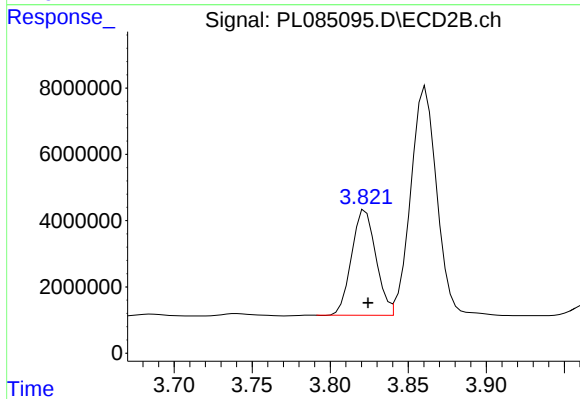
#5 Aldrin

R.T.: 4.141 min  
Delta R.T.: -0.003 min  
Response: 78367464  
Conc: 53.92 ng/ml



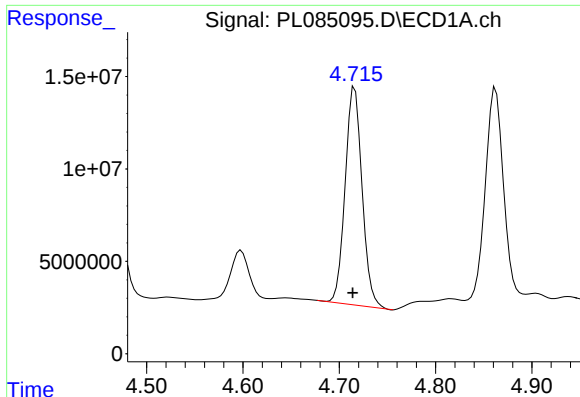
#6 beta-BHC

R.T.: 4.470 min  
Delta R.T.: 0.003 min  
Response: 63085981  
Conc: 45.16 ng/ml



#6 beta-BHC

R.T.: 3.823 min  
Delta R.T.: -0.002 min  
Response: 34467582  
Conc: 51.44 ng/ml



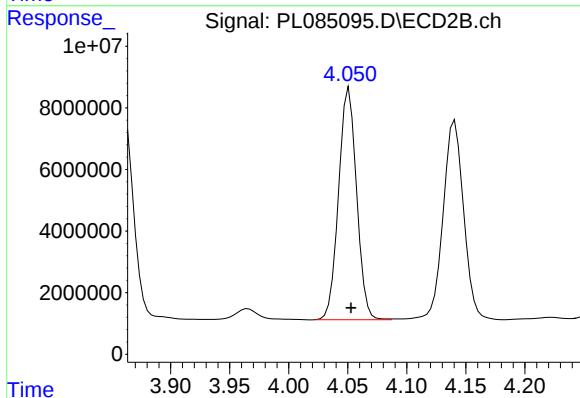
#7 delta-BHC

R.T.: 4.716 min  
Delta R.T.: 0.002 min  
Response: 143654656  
Conc: 44.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

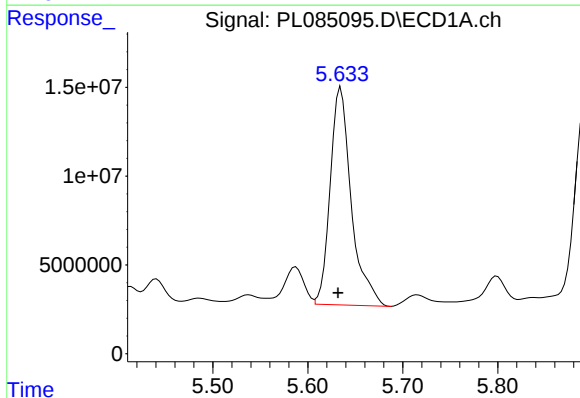
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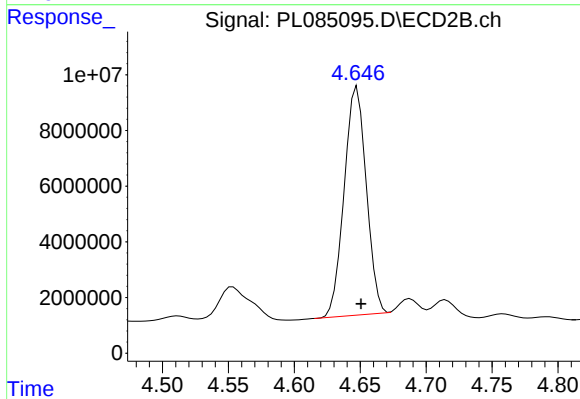
#7 delta-BHC

R.T.: 4.051 min  
Delta R.T.: -0.002 min  
Response: 79904750  
Conc: 52.63 ng/ml



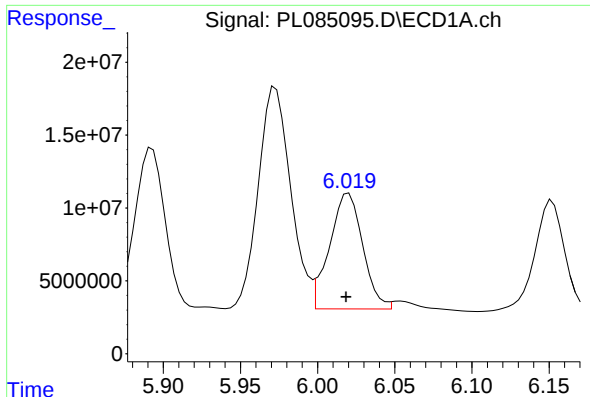
#8 Heptachlor epoxide

R.T.: 5.635 min  
Delta R.T.: 0.003 min  
Response: 189032886  
Conc: 62.75 ng/ml



#8 Heptachlor epoxide

R.T.: 4.648 min  
Delta R.T.: -0.003 min  
Response: 95753355  
Conc: 72.17 ng/ml



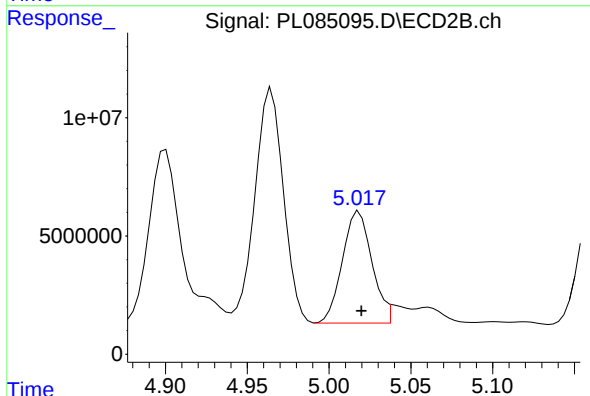
#9 Endosulfan I

R.T.: 6.020 min  
Delta R.T.: 0.002 min  
Response: 118744820  
Conc: 45.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

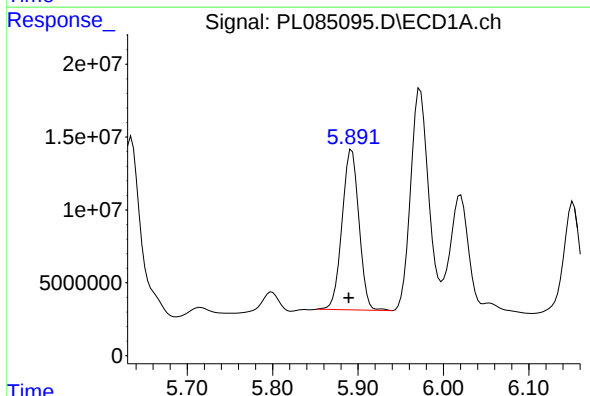
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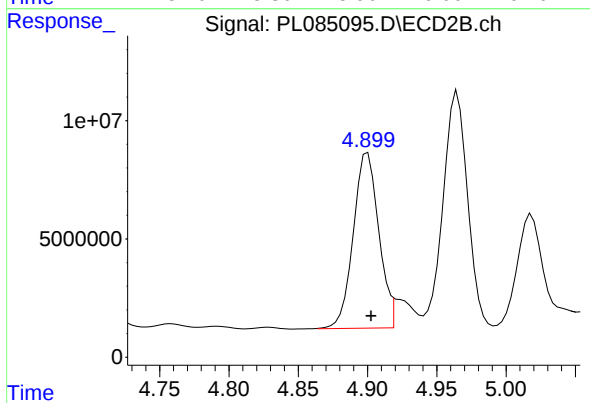
#9 Endosulfan I

R.T.: 5.017 min  
Delta R.T.: -0.003 min  
Response: 60884489  
Conc: 49.13 ng/ml m



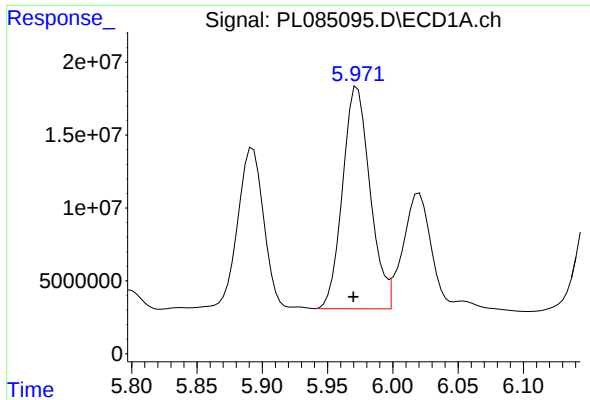
#10 gamma-Chlordane

R.T.: 5.893 min  
Delta R.T.: 0.003 min  
Response: 151356844  
Conc: 52.85 ng/ml



#10 gamma-Chlordane

R.T.: 4.899 min  
Delta R.T.: -0.004 min  
Response: 95001780  
Conc: 70.05 ng/ml m



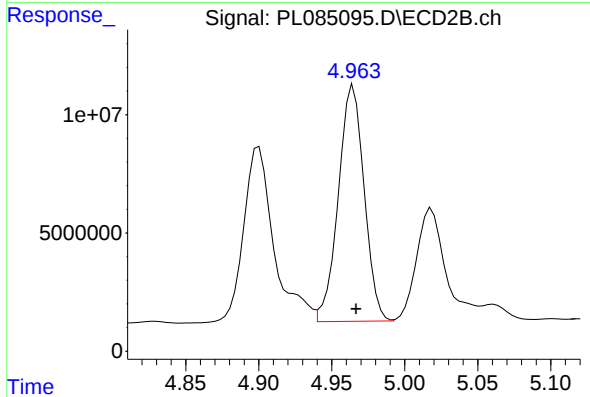
#11 alpha-Chlordane

R.T.: 5.973 min  
Delta R.T.: 0.003 min  
Response: 222945296  
Conc: 78.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

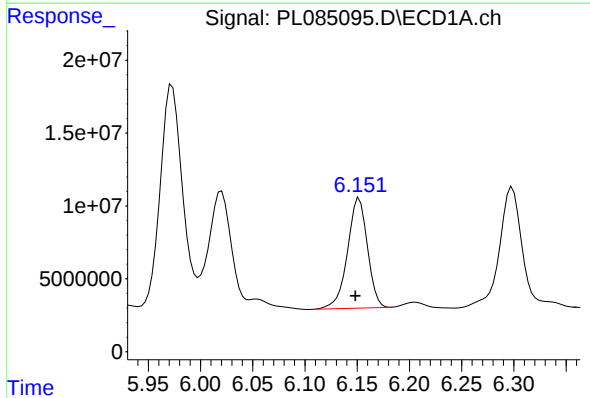
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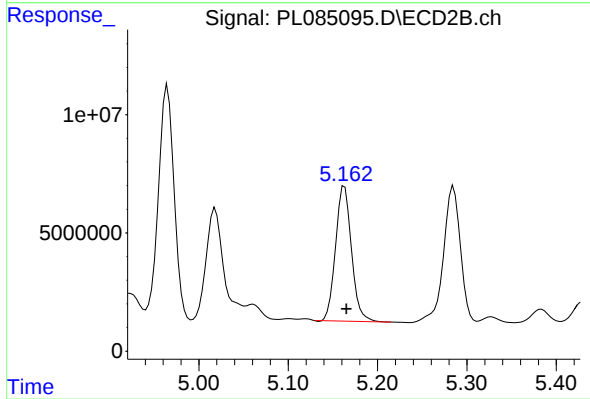
#11 alpha-Chlordane

R.T.: 4.965 min  
Delta R.T.: -0.002 min  
Response: 122746802  
Conc: 90.09 ng/ml



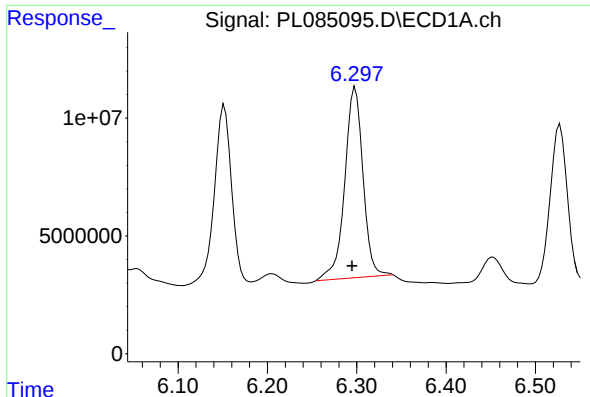
#12 4,4'-DDE

R.T.: 6.152 min  
Delta R.T.: 0.004 min  
Response: 100173135  
Conc: 43.64 ng/ml



#12 4,4'-DDE

R.T.: 5.163 min  
Delta R.T.: -0.002 min  
Response: 70507537  
Conc: 57.26 ng/ml



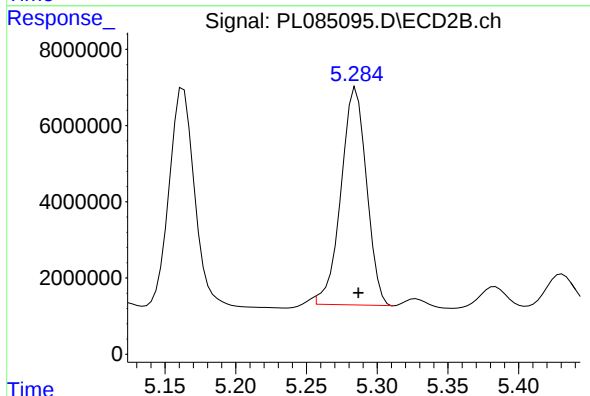
#13 Dieldrin

R.T.: 6.298 min  
Delta R.T.: 0.003 min  
Response: 115097834  
Conc: 43.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

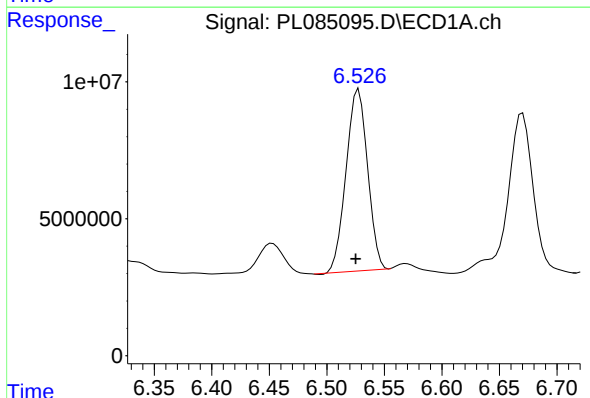
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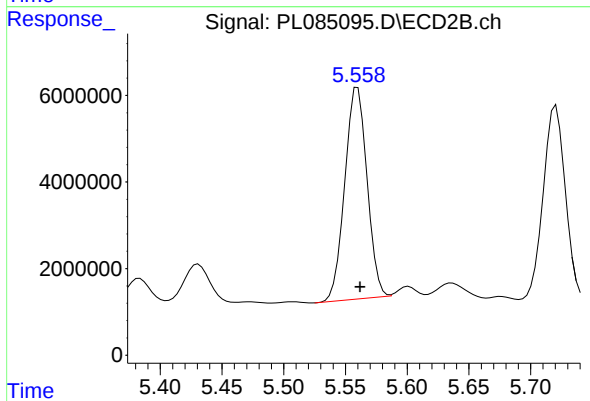
#13 Dieldrin

R.T.: 5.284 min  
Delta R.T.: -0.003 min  
Response: 71450909  
Conc: 52.62 ng/ml m



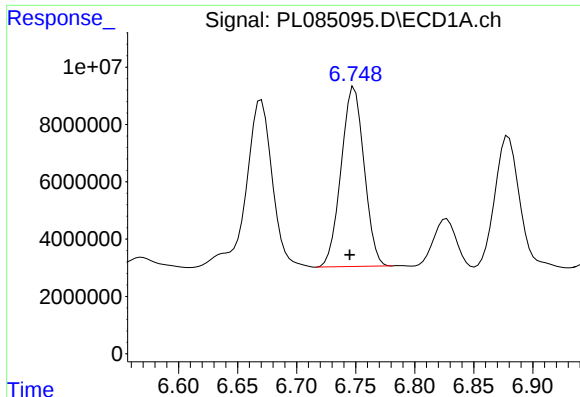
#14 Endrin

R.T.: 6.528 min  
Delta R.T.: 0.003 min  
Response: 86695065  
Conc: 39.75 ng/ml



#14 Endrin

R.T.: 5.560 min  
Delta R.T.: -0.002 min  
Response: 61308446  
Conc: 50.12 ng/ml



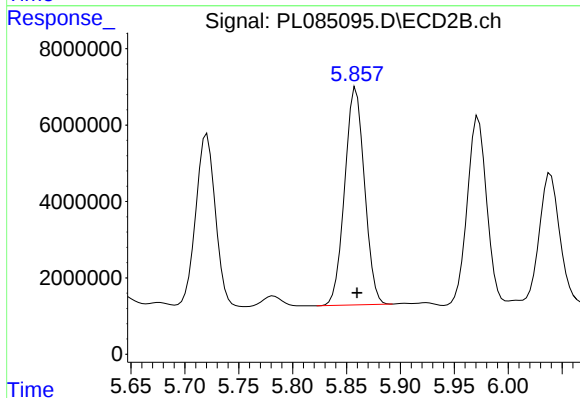
#15 Endosulfan II

R.T.: 6.749 min  
Delta R.T.: 0.004 min  
Response: 84895023  
Conc: 40.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

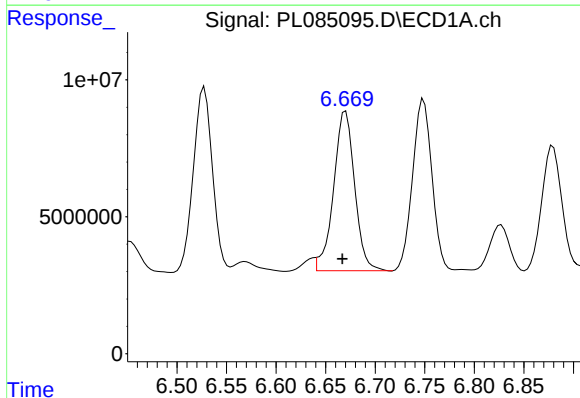
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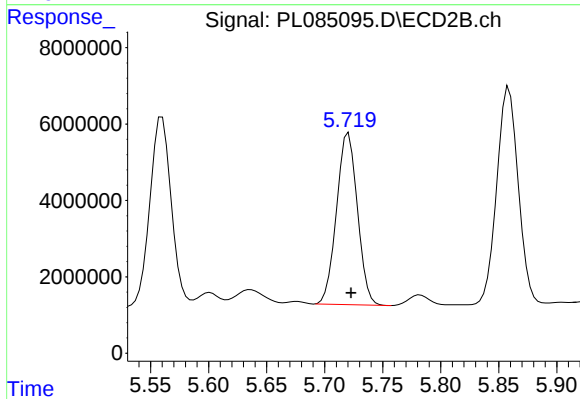
#15 Endosulfan II

R.T.: 5.859 min  
Delta R.T.: 0.000 min  
Response: 72751430  
Conc: 60.30 ng/ml



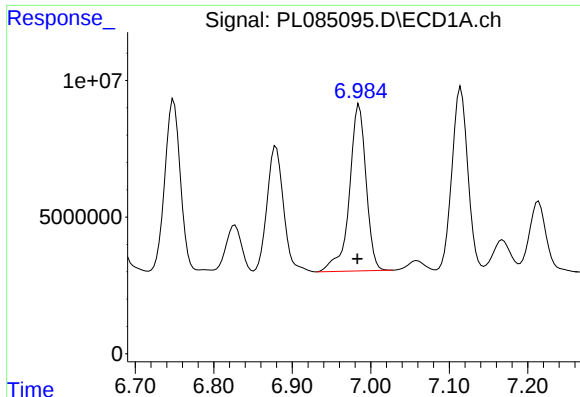
#16 4,4'-DDD

R.T.: 6.669 min  
Delta R.T.: 0.002 min  
Response: 85631546  
Conc: 51.07 ng/ml m



#16 4,4'-DDD

R.T.: 5.721 min  
Delta R.T.: -0.002 min  
Response: 56347699  
Conc: 54.54 ng/ml



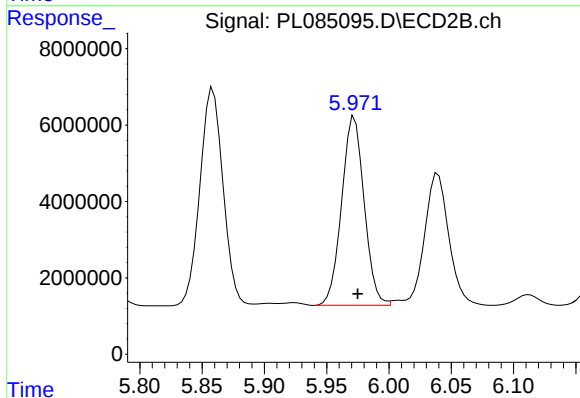
#17 4,4'-DDT

R.T.: 6.985 min  
Delta R.T.: 0.002 min  
Response: 89705757  
Conc: 47.88 ng/ml

Instrument :  
ECD\_L  
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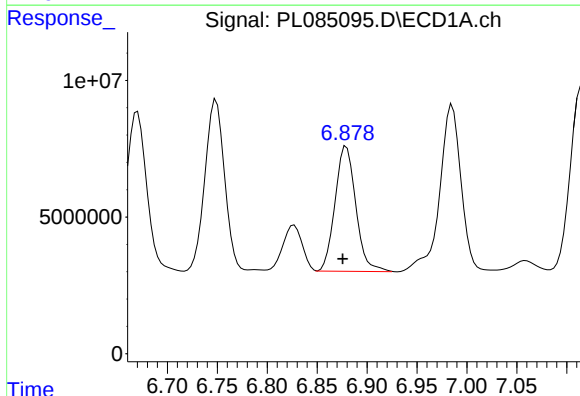
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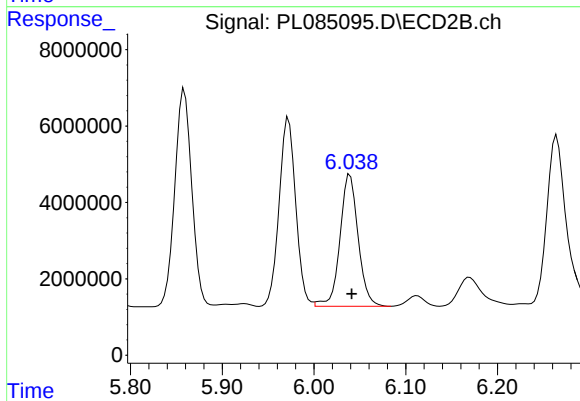
#17 4,4'-DDT

R.T.: 5.972 min  
Delta R.T.: -0.003 min  
Response: 62393528  
Conc: 53.76 ng/ml



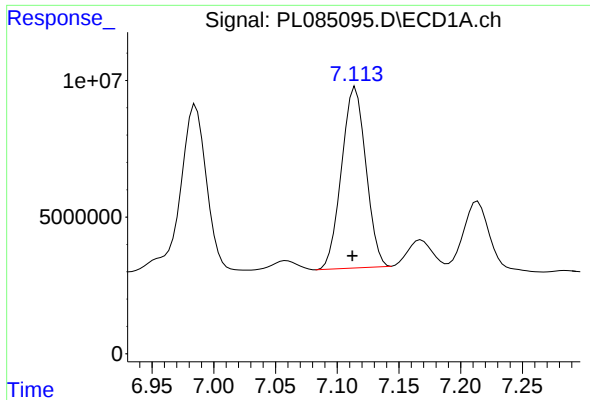
#18 Endrin aldehyde

R.T.: 6.878 min  
Delta R.T.: 0.002 min  
Response: 66263951  
Conc: 39.28 ng/ml m



#18 Endrin aldehyde

R.T.: 6.039 min  
Delta R.T.: -0.002 min  
Response: 47504821  
Conc: 47.90 ng/ml



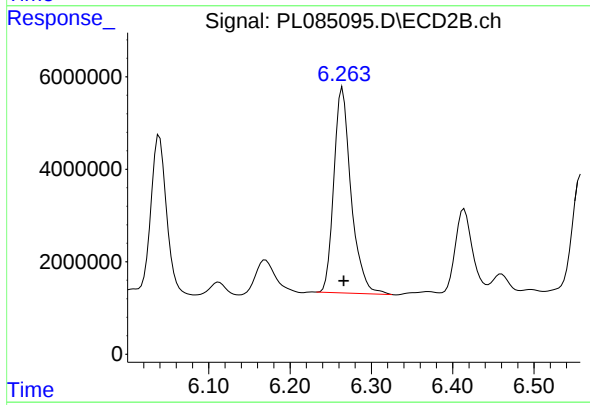
#19 Endosulfan Sulfate

R.T.: 7.113 min  
Delta R.T.: 0.001 min  
Response: 90924235  
Conc: 45.51 ng/ml

Instrument :  
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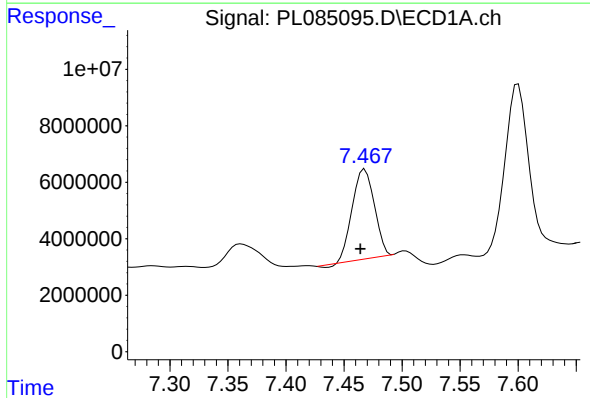
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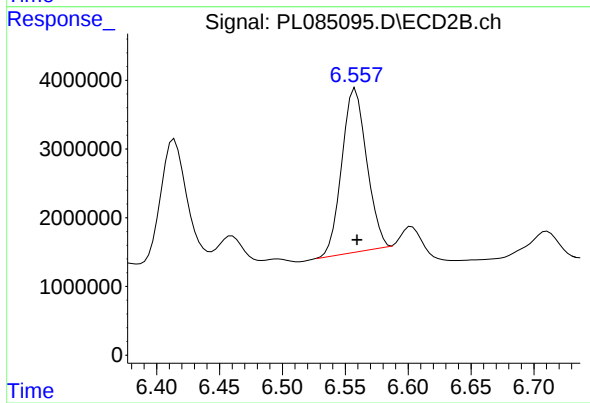
#19 Endosulfan Sulfate

R.T.: 6.265 min  
Delta R.T.: -0.001 min  
Response: 65275724  
Conc: 54.89 ng/ml



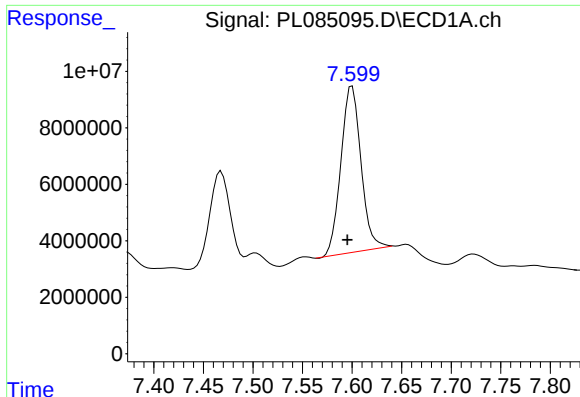
#20 Methoxychlor

R.T.: 7.468 min  
Delta R.T.: 0.004 min  
Response: 41676446  
Conc: 43.43 ng/ml



#20 Methoxychlor

R.T.: 6.558 min  
Delta R.T.: -0.001 min  
Response: 32750405  
Conc: 47.73 ng/ml



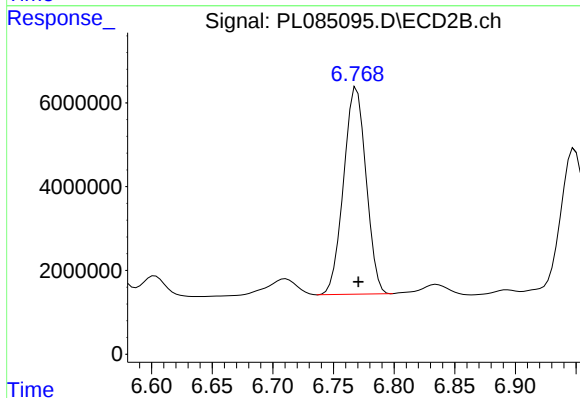
#21 Endrin ketone

R.T.: 7.600 min  
Delta R.T.: 0.005 min  
Response: 83502658  
Conc: 41.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

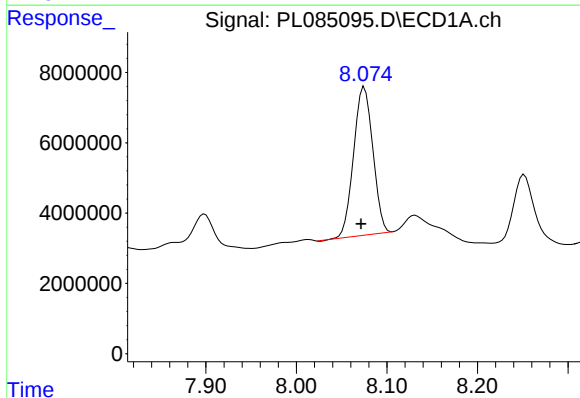
Manual Integrations  
APPROVED

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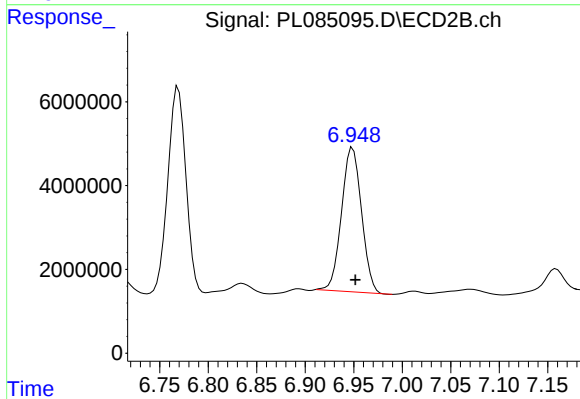
#21 Endrin ketone

R.T.: 6.769 min  
Delta R.T.: -0.002 min  
Response: 63599400  
Conc: 44.08 ng/ml



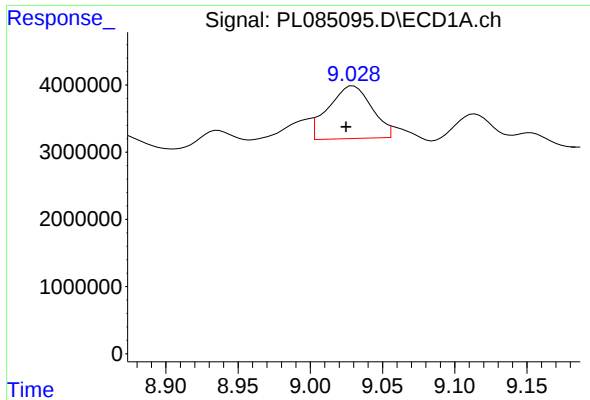
#22 Mirex

R.T.: 8.075 min  
Delta R.T.: 0.004 min  
Response: 62155690  
Conc: 37.42 ng/ml



#22 Mirex

R.T.: 6.949 min  
Delta R.T.: -0.003 min  
Response: 49404821  
Conc: 42.84 ng/ml



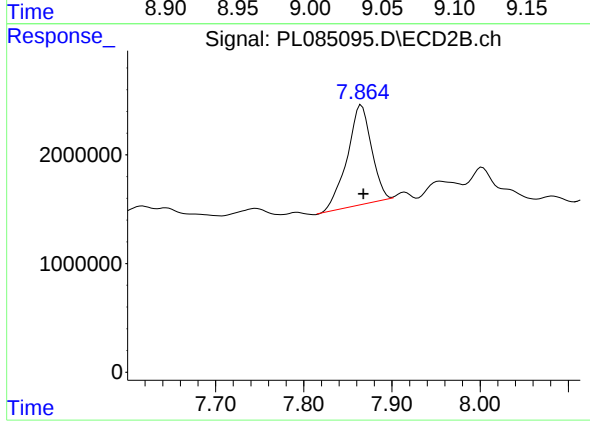
#28 Decachlorobiphenyl

R.T.: 9.028 min  
Delta R.T.: 0.003 min  
Response: 16145236  
Conc: 9.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
72-11939MSD

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.864 min  
Delta R.T.: -0.004 min  
Response: 17665381  
Conc: 14.17 ng/ml m