

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100925\  
 Data File : PL097587.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Oct 2025 12:58  
 Operator : AR\AJ  
 Sample : Q3313-01MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ETGI-360MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/10/2025  
 Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 10 06:59:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 16:47:00 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... | 3.524 | 2.823 | 53921649 | 83569459 | 13.227m | 13.730   |
| 28)                         | SA Decachlor... | 8.993 | 7.979 | 37600048 | 56346602 | 12.644m | 10.859   |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.972 | 3.327 | 265.6E6  | 381.1E6  | 39.377  | 38.627   |
| 3)                          | MA gamma-BHC... | 4.298 | 3.659 | 248.4E6  | 351.5E6  | 39.073m | 38.255   |
| 4)                          | MA Heptachlor   | 4.889 | 4.006 | 253.0E6  | 351.6E6  | 39.228  | 38.250   |
| 5)                          | MB Aldrin       | 5.223 | 4.288 | 395.9E6  | 327.3E6  | 65.852m | 37.742 # |
| 6)                          | B beta-BHC      | 4.487 | 3.955 | 100.7E6  | 181.9E6  | 38.950  | 45.737   |
| 7)                          | B delta-BHC     | 4.731 | 4.187 | 228.5E6  | 345.4E6  | 37.628m | 38.229   |
| 8)                          | B Heptachlo...  | 5.648 | 4.790 | 374.4E6  | 424.4E6  | 64.310  | 53.734   |
| 9)                          | A Endosulfan I  | 6.029 | 5.161 | 199.5E6  | 262.5E6  | 40.133  | 35.599   |
| 10)                         | B gamma-Chl...  | 5.902 | 5.041 | 405.7E6  | 657.8E6  | 74.746  | 75.664   |
| 11)                         | B alpha-Chl...  | 5.982 | 5.105 | 620.6E6  | 739.4E6  | 114.367 | 88.787   |
| 12)                         | B 4,4'-DDE      | 6.152 | 5.294 | 180.3E6  | 273.6E6  | 38.723  | 36.032   |
| 13)                         | MA Dieldrin     | 6.301 | 5.424 | 184.8E6  | 295.2E6  | 35.133  | 35.708   |
| 14)                         | MA Endrin       | 6.528 | 5.699 | 147.0E6  | 242.1E6  | 32.865  | 32.711   |
| 15)                         | B Endosulfa...  | 6.741 | 5.993 | 155.2E6  | 367.9E6  | 31.733  | 53.278 # |
| 16)                         | A 4,4'-DDD      | 6.661 | 5.846 | 159.0E6  | 203.8E6  | 42.137  | 31.950   |
| 17)                         | MA 4,4'-DDT     | 6.975 | 6.098 | 154.9E6  | 231.8E6  | 38.197  | 34.789   |
| 18)                         | B Endrin al...  | 6.870 | 6.169 | 109.9E6  | 173.9E6  | 33.526  | 30.203   |
| 19)                         | B Endosulfa...  | 7.103 | 6.392 | 138.6E6  | 212.0E6  | 34.564  | 31.835   |
| 20)                         | A Methoxychlor  | 7.447 | 6.670 | 67758582 | 120.7E6  | 32.436  | 33.102   |
| 21)                         | B Endrin ke...  | 7.582 | 6.896 | 141.3E6  | 207.3E6  | 33.001  | 26.237   |
| 22)                         | Mirex           | 8.060 | 7.085 | 114.9E6  | 164.2E6  | 36.973  | 30.696   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100925\  
Data File : PL097587.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Oct 2025 12:58  
Operator : AR\AJ  
Sample : Q3313-01MS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

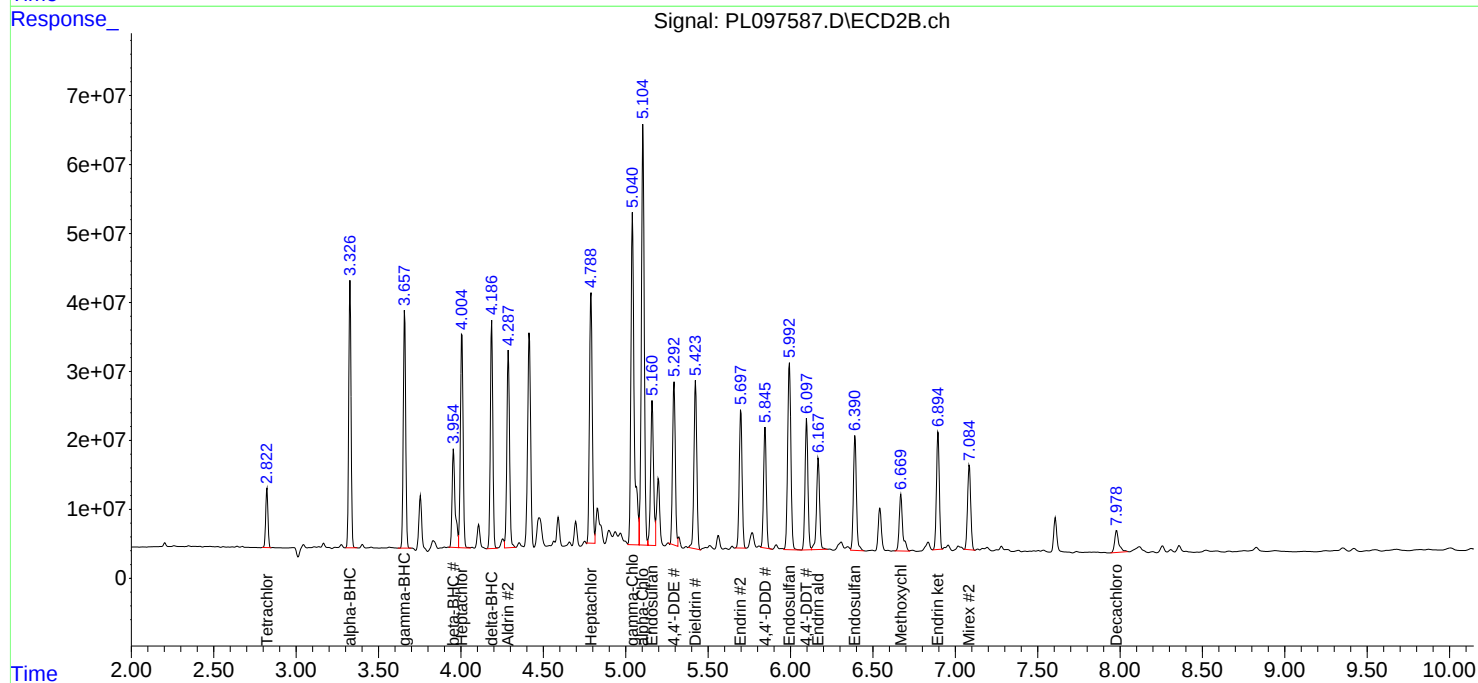
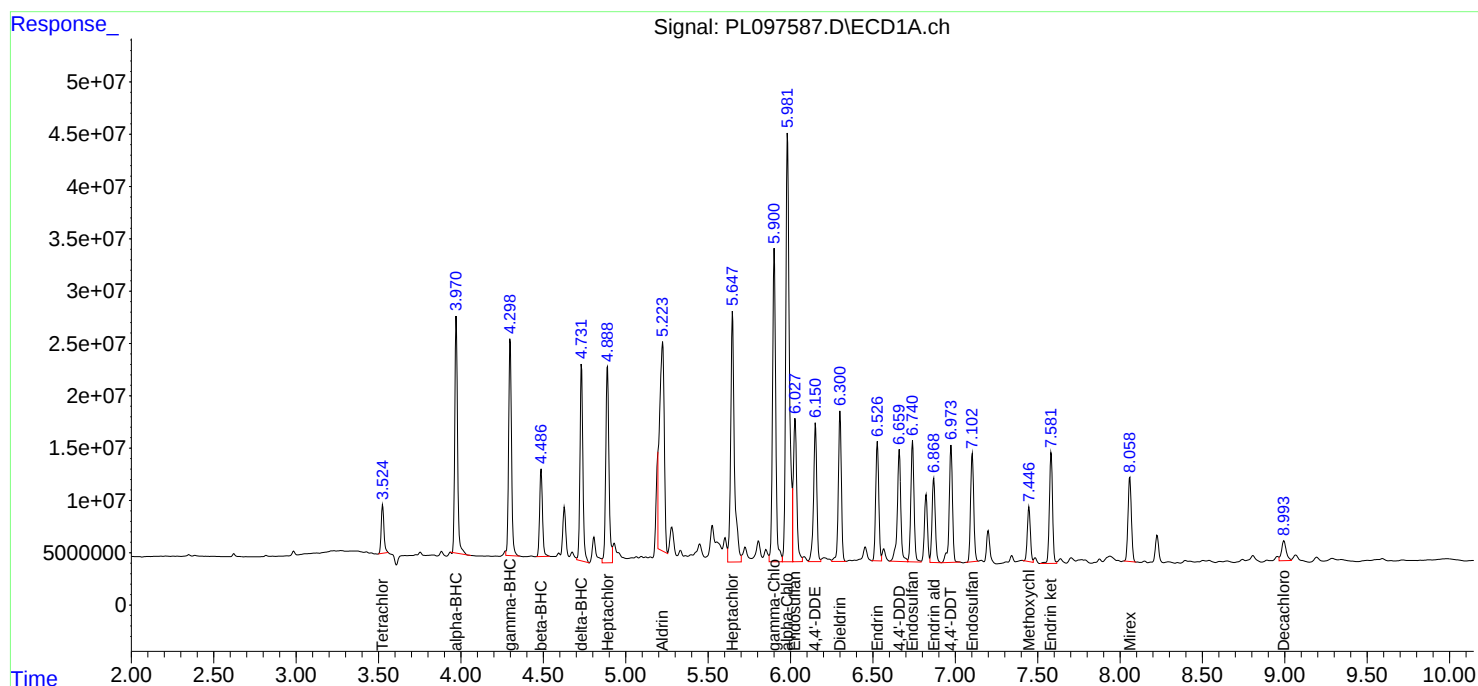
Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

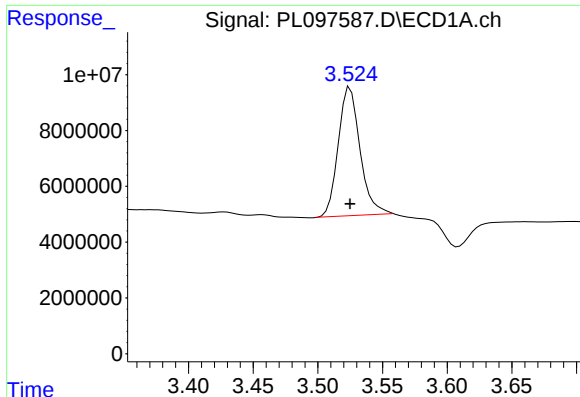
Manual Integrations  
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Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 10 06:59:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 16:47:00 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.: 3.524 min  
Delta R.T.: -0.001 min  
Response: 53921649  
Conc: 13.23 ng/ml

Instrument :

ECD\_L

ClientSampleId :

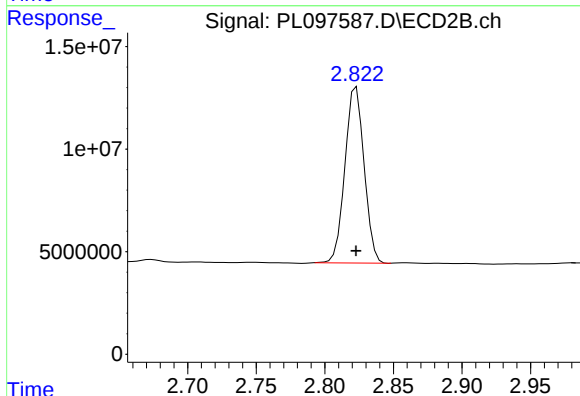
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Manual Integrations

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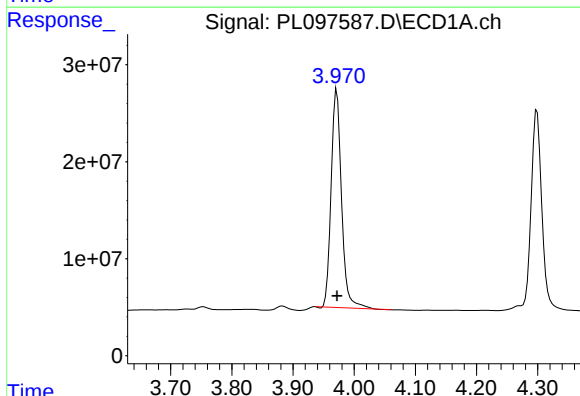
Reviewed By :Abdul Mirza 10/10/2025

Supervised By :mohammad ahmed 10/11/2025



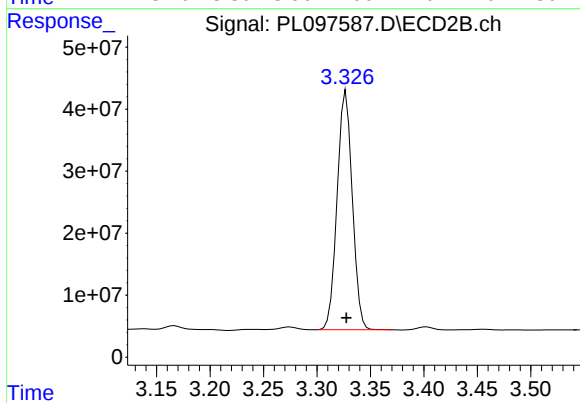
#1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: 0.000 min  
Response: 83569459  
Conc: 13.73 ng/ml



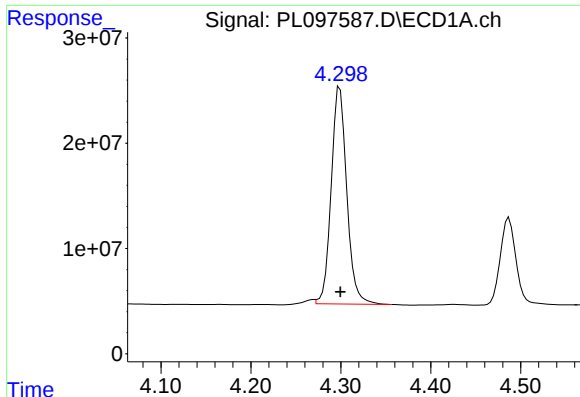
#2 alpha-BHC

R.T.: 3.972 min  
Delta R.T.: 0.000 min  
Response: 265624210  
Conc: 39.38 ng/ml



#2 alpha-BHC

R.T.: 3.327 min  
Delta R.T.: 0.000 min  
Response: 381135996  
Conc: 38.63 ng/ml



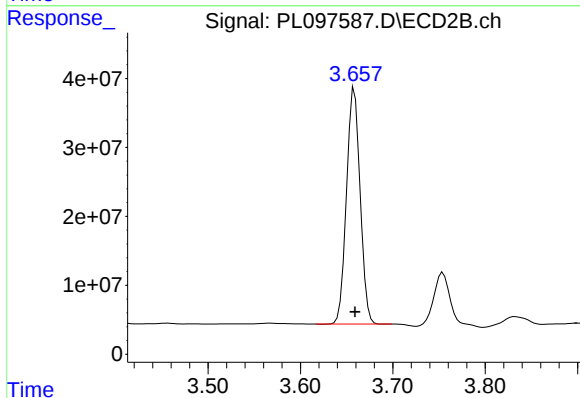
#3 gamma-BHC (Lindane)

R.T.: 4.298 min  
Delta R.T.: -0.002 min  
Response: 248360709  
Conc: 39.07 ng/ml

Instrument :  
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ClientSampleId :  
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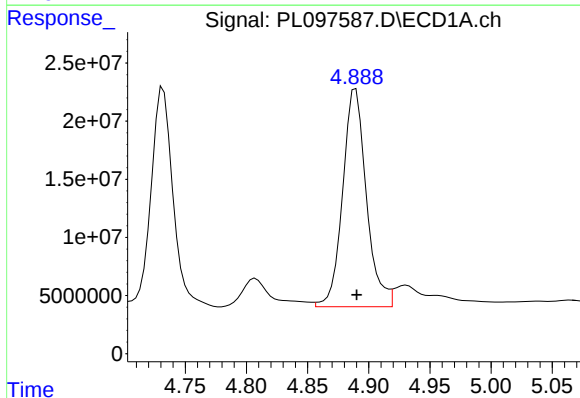
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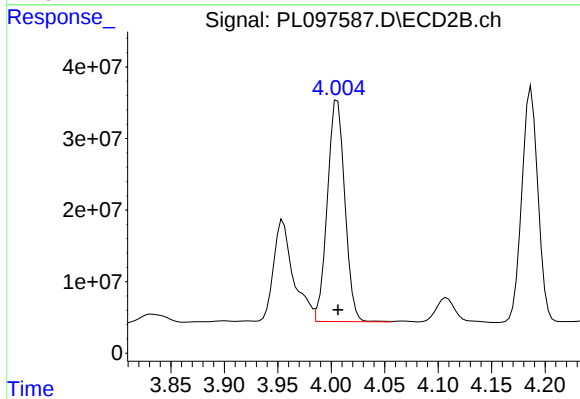
#3 gamma-BHC (Lindane)

R.T.: 3.659 min  
Delta R.T.: 0.000 min  
Response: 351461239  
Conc: 38.26 ng/ml



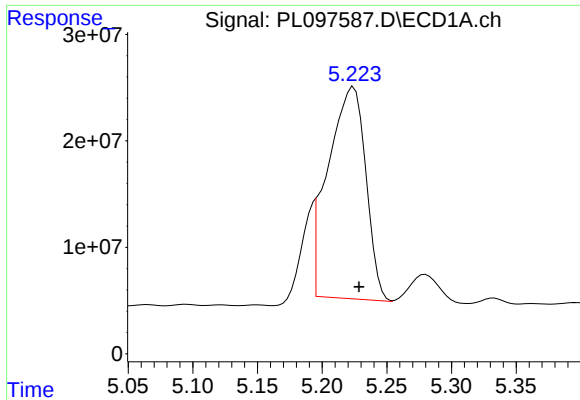
#4 Heptachlor

R.T.: 4.889 min  
Delta R.T.: 0.000 min  
Response: 253049756  
Conc: 39.23 ng/ml



#4 Heptachlor

R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 351604951  
Conc: 38.25 ng/ml



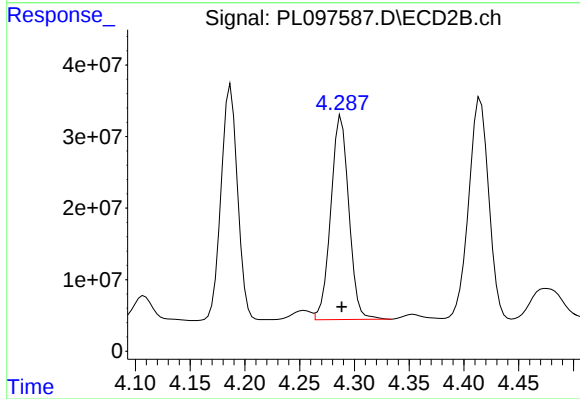
#5 Aldrin

R.T.: 5.223 min  
Delta R.T.: -0.006 min  
Response: 395946191  
Conc: 65.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

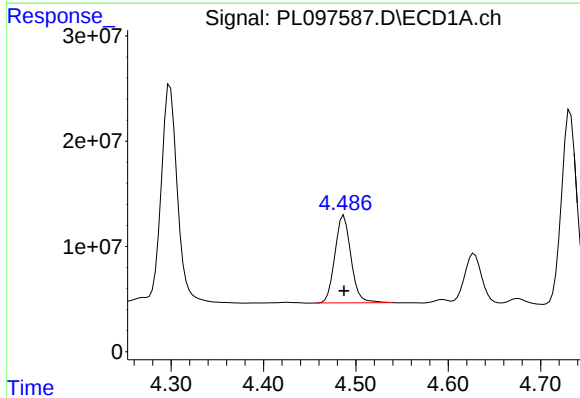
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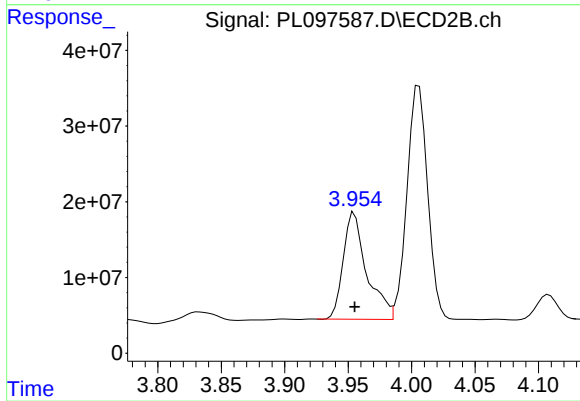
#5 Aldrin

R.T.: 4.288 min  
Delta R.T.: 0.000 min  
Response: 327292946  
Conc: 37.74 ng/ml



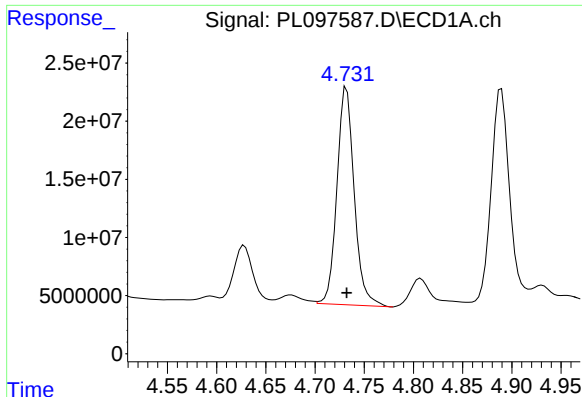
#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 100704574  
Conc: 38.95 ng/ml



#6 beta-BHC

R.T.: 3.955 min  
Delta R.T.: 0.000 min  
Response: 181947945  
Conc: 45.74 ng/ml



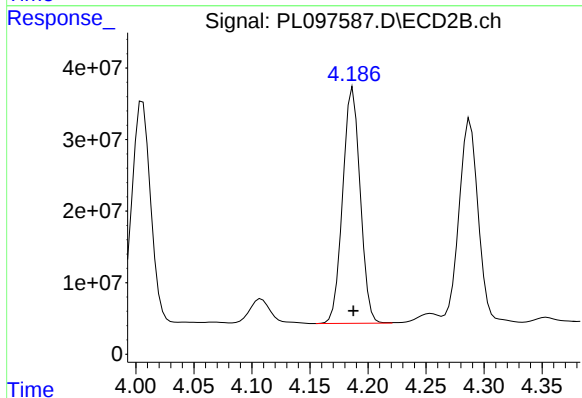
#7 delta-BHC

R.T.: 4.731 min  
Delta R.T.: -0.002 min  
Response: 228499875  
Conc: 37.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

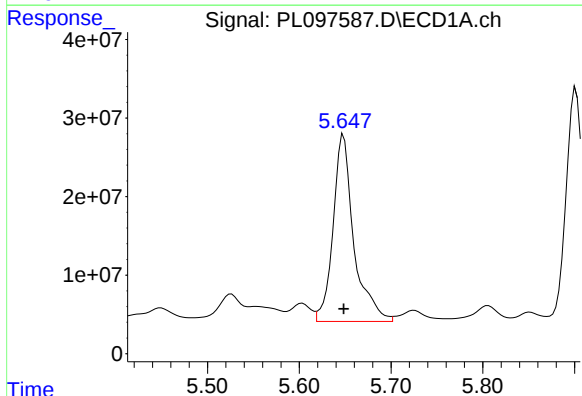
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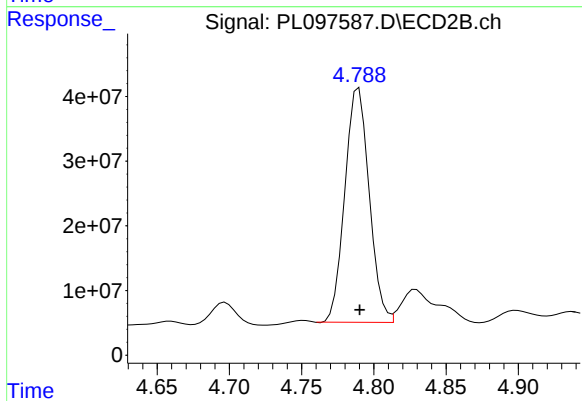
#7 delta-BHC

R.T.: 4.187 min  
Delta R.T.: 0.000 min  
Response: 345360119  
Conc: 38.23 ng/ml



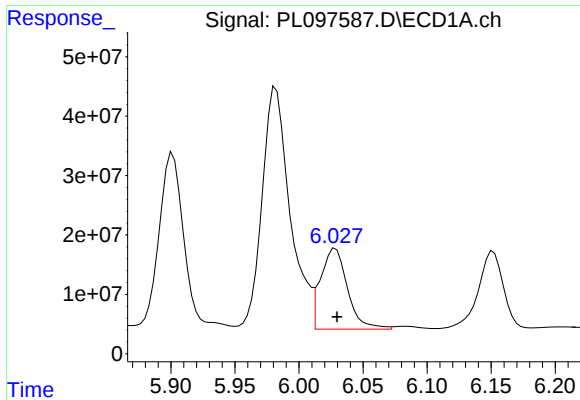
#8 Heptachlor epoxide

R.T.: 5.648 min  
Delta R.T.: 0.000 min  
Response: 374431600  
Conc: 64.31 ng/ml



#8 Heptachlor epoxide

R.T.: 4.790 min  
Delta R.T.: 0.000 min  
Response: 424387439  
Conc: 53.73 ng/ml



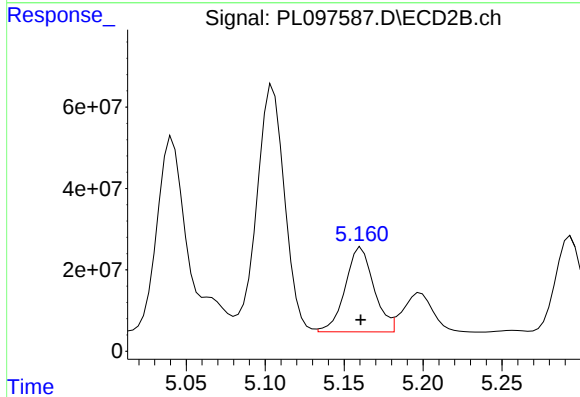
#9 Endosulfan I

R.T.: 6.029 min  
Delta R.T.: -0.001 min  
Response: 199518929  
Conc: 40.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

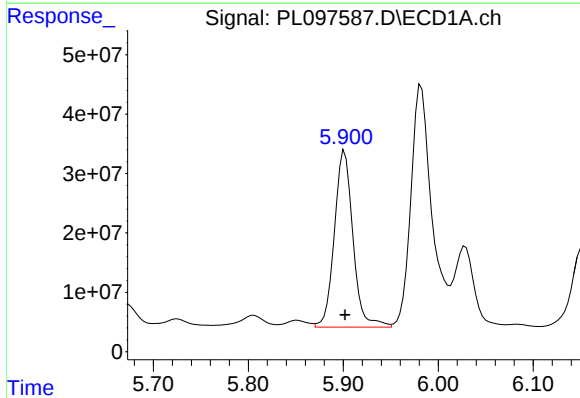
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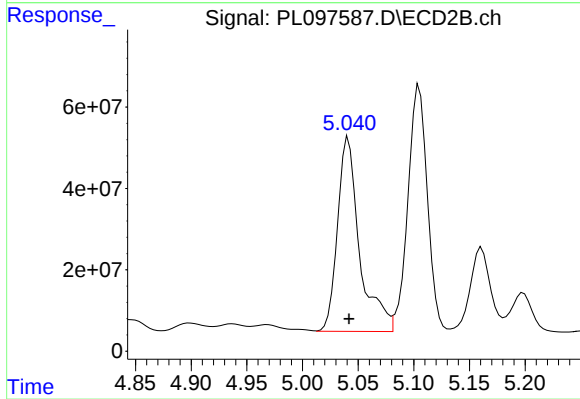
#9 Endosulfan I

R.T.: 5.161 min  
Delta R.T.: 0.000 min  
Response: 262518478  
Conc: 35.60 ng/ml



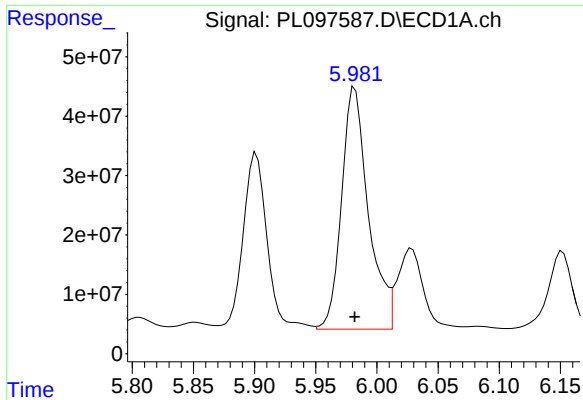
#10 gamma-Chlordane

R.T.: 5.902 min  
Delta R.T.: 0.000 min  
Response: 405677236  
Conc: 74.75 ng/ml



#10 gamma-Chlordane

R.T.: 5.041 min  
Delta R.T.: 0.000 min  
Response: 657757516  
Conc: 75.66 ng/ml



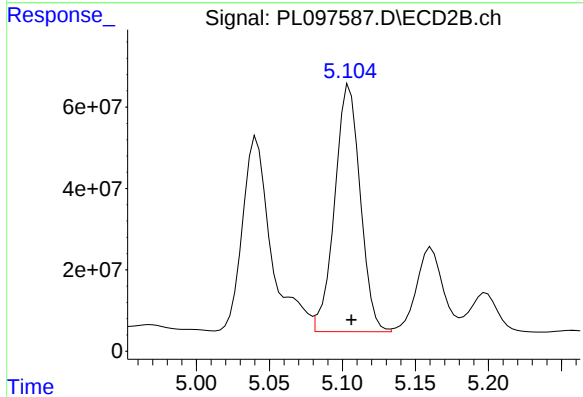
#11 alpha-Chlordane

R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 620607511  
Conc: 114.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

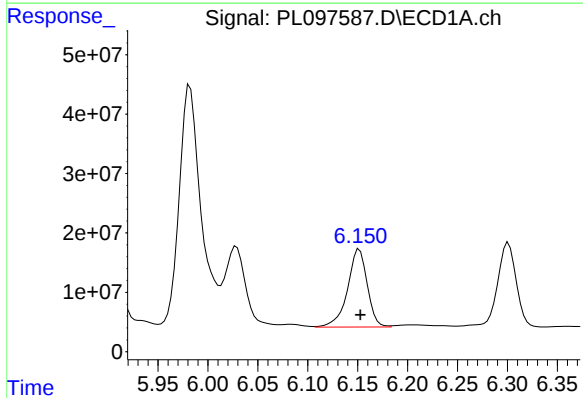
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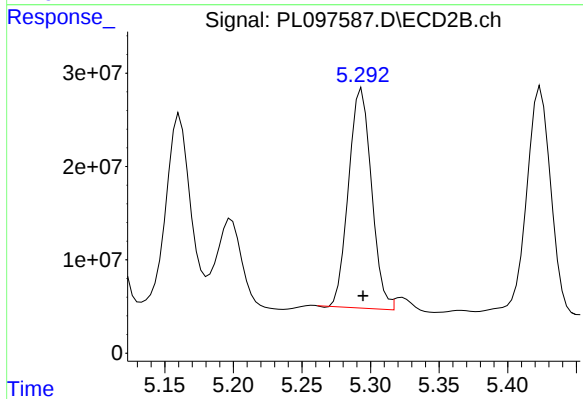
#11 alpha-Chlordane

R.T.: 5.105 min  
Delta R.T.: -0.001 min  
Response: 739352841  
Conc: 88.79 ng/ml



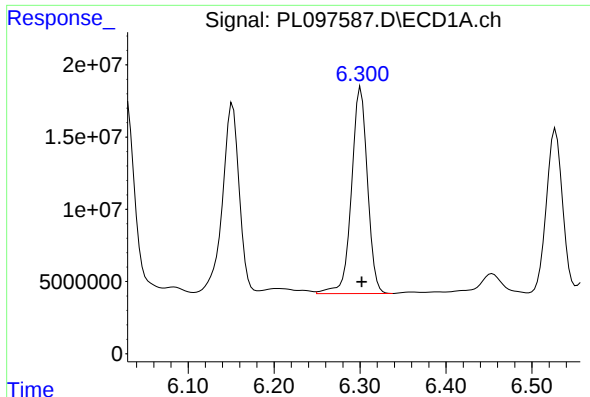
#12 4,4'-DDE

R.T.: 6.152 min  
Delta R.T.: 0.000 min  
Response: 180341208  
Conc: 38.72 ng/ml



#12 4,4'-DDE

R.T.: 5.294 min  
Delta R.T.: 0.000 min  
Response: 273570495  
Conc: 36.03 ng/ml



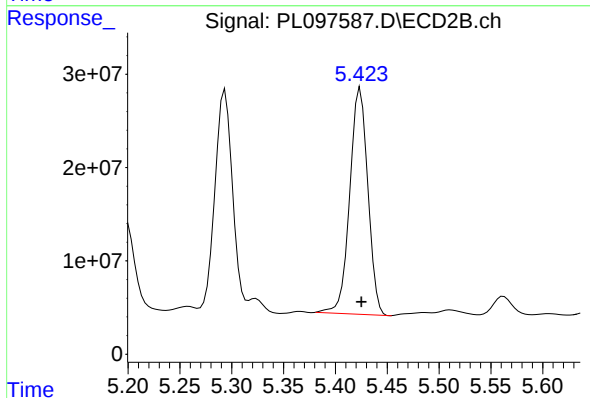
#13 Dieldrin

R.T.: 6.301 min  
Delta R.T.: -0.001 min  
Response: 184815887  
Conc: 35.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

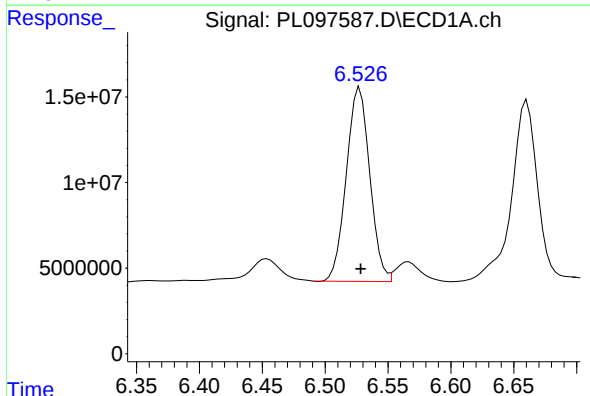
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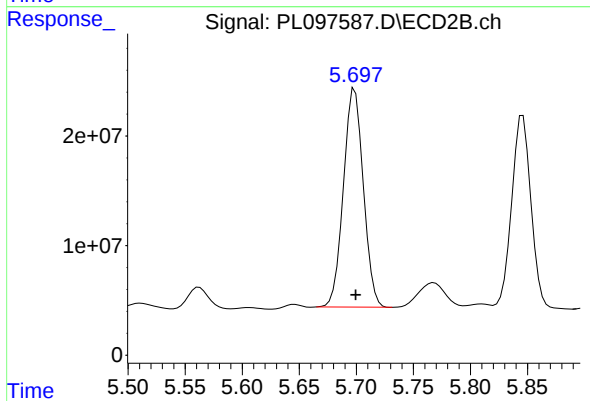
#13 Dieldrin

R.T.: 5.424 min  
Delta R.T.: -0.001 min  
Response: 295244991  
Conc: 35.71 ng/ml



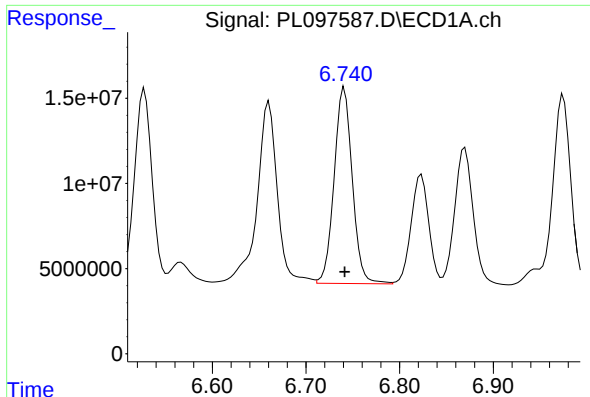
#14 Endrin

R.T.: 6.528 min  
Delta R.T.: 0.000 min  
Response: 147046875  
Conc: 32.86 ng/ml



#14 Endrin

R.T.: 5.699 min  
Delta R.T.: 0.000 min  
Response: 242107053  
Conc: 32.71 ng/ml



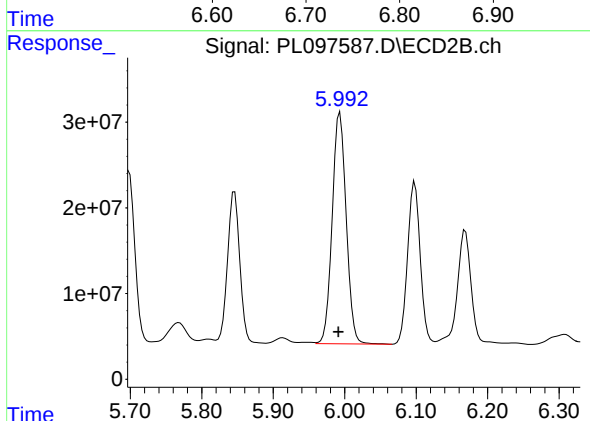
#15 Endosulfan II

R.T.: 6.741 min  
Delta R.T.: 0.000 min  
Response: 155242271  
Conc: 31.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

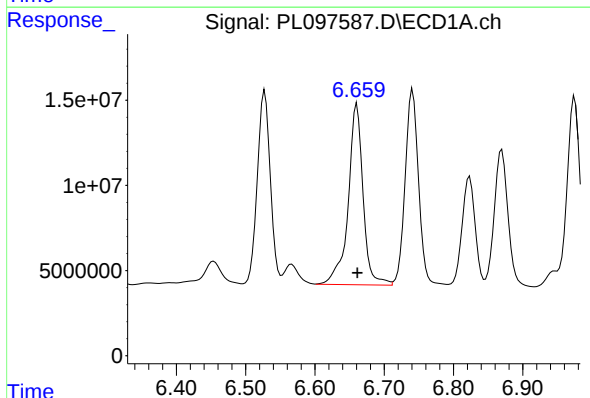
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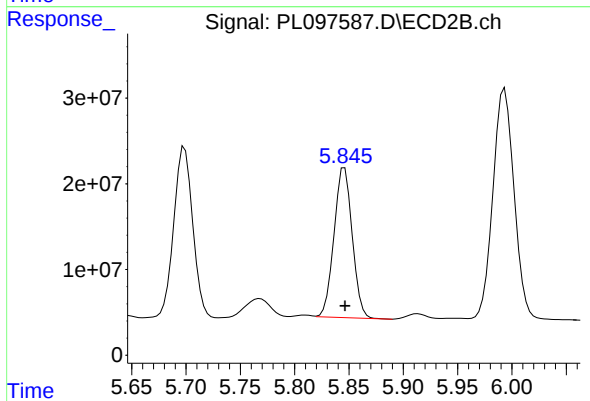
#15 Endosulfan II

R.T.: 5.993 min  
Delta R.T.: 0.002 min  
Response: 367885032  
Conc: 53.28 ng/ml



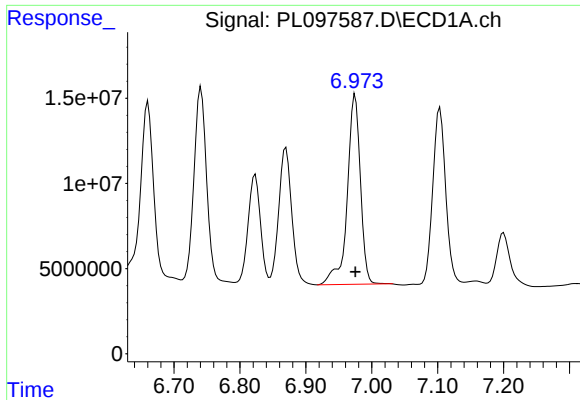
#16 4,4'-DDD

R.T.: 6.661 min  
Delta R.T.: 0.000 min  
Response: 159004086  
Conc: 42.14 ng/ml



#16 4,4'-DDD

R.T.: 5.846 min  
Delta R.T.: 0.000 min  
Response: 203805413  
Conc: 31.95 ng/ml



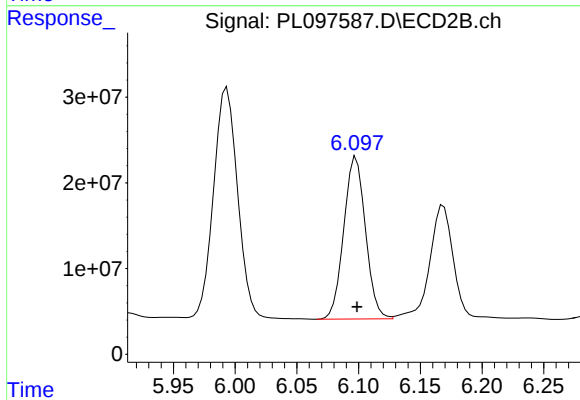
#17 4,4'-DDT

R.T.: 6.975 min  
Delta R.T.: 0.000 min  
Response: 154876183  
Conc: 38.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

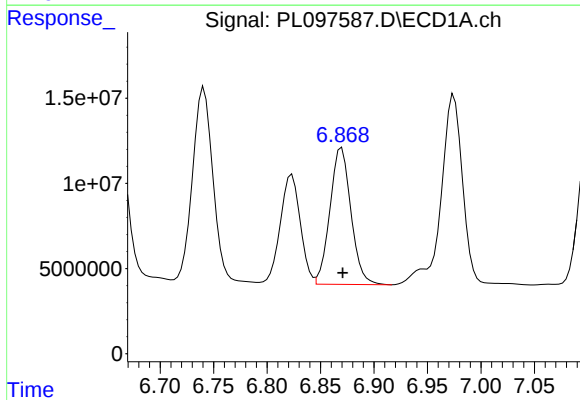
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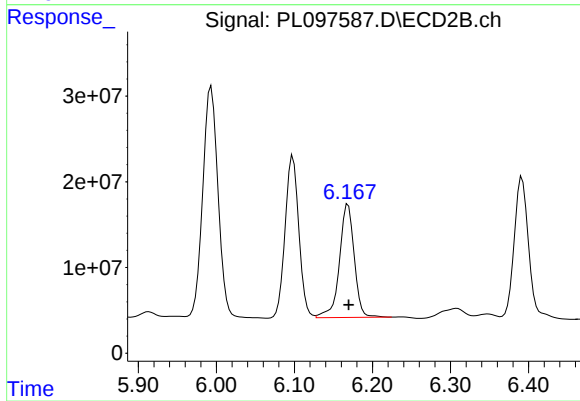
#17 4,4'-DDT

R.T.: 6.098 min  
Delta R.T.: 0.000 min  
Response: 231810769  
Conc: 34.79 ng/ml



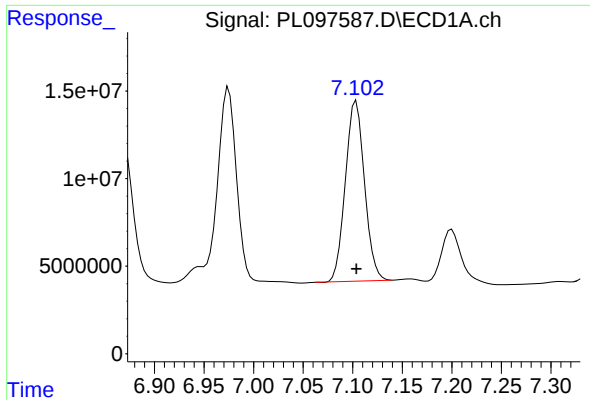
#18 Endrin aldehyde

R.T.: 6.870 min  
Delta R.T.: -0.001 min  
Response: 109856697  
Conc: 33.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.169 min  
Delta R.T.: 0.000 min  
Response: 173924313  
Conc: 30.20 ng/ml



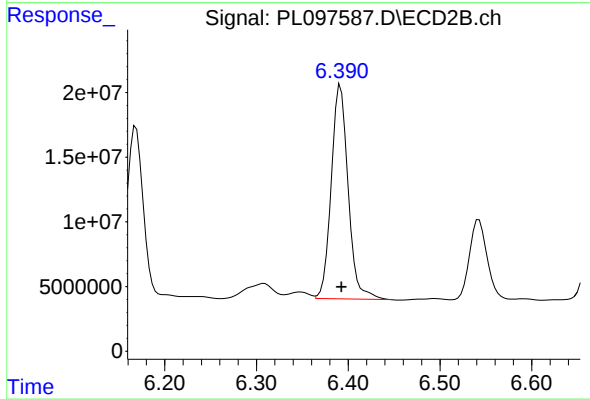
#19 Endosulfan Sulfate

R.T.: 7.103 min  
Delta R.T.: 0.000 min  
Response: 138599607  
Conc: 34.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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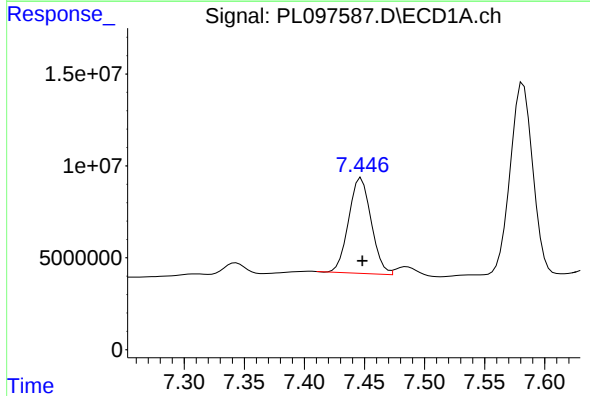
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Reviewed By :Abdul Mirza 10/10/2025  
Supervised By :mohammad ahmed 10/11/2025



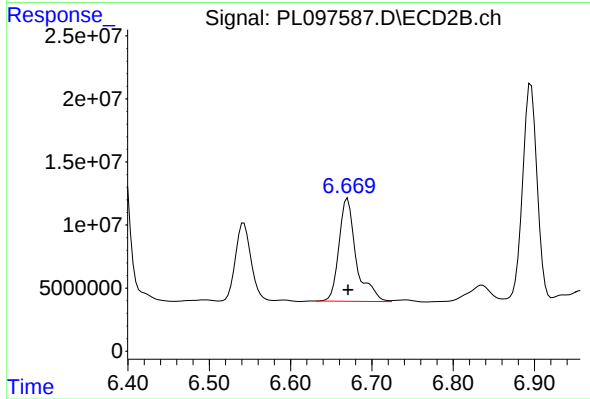
#19 Endosulfan Sulfate

R.T.: 6.392 min  
Delta R.T.: 0.000 min  
Response: 211953016  
Conc: 31.84 ng/ml



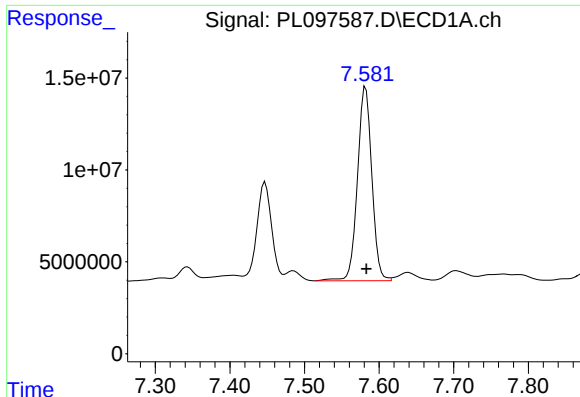
#20 Methoxychlor

R.T.: 7.447 min  
Delta R.T.: 0.000 min  
Response: 67758582  
Conc: 32.44 ng/ml



#20 Methoxychlor

R.T.: 6.670 min  
Delta R.T.: 0.000 min  
Response: 120663757  
Conc: 33.10 ng/ml



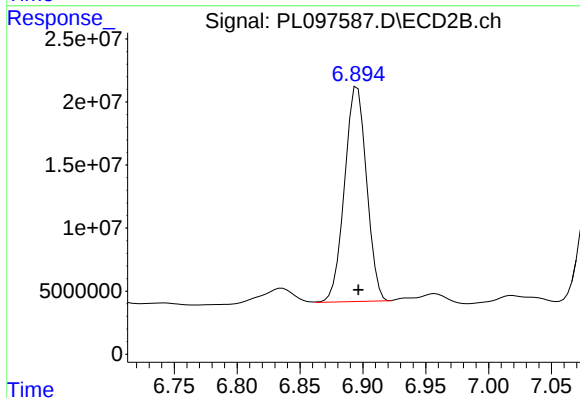
#21 Endrin ketone

R.T.: 7.582 min  
Delta R.T.: -0.001 min  
Response: 141301235  
Conc: 33.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

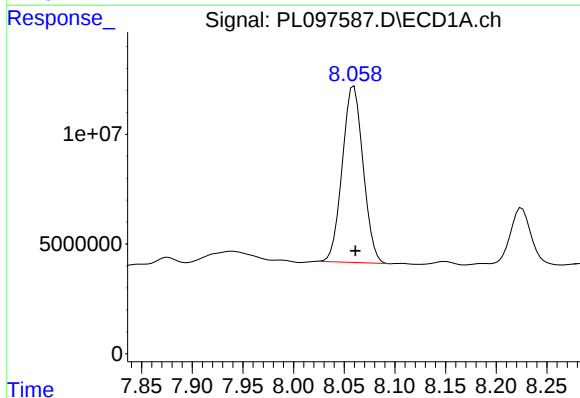
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/10/2025  
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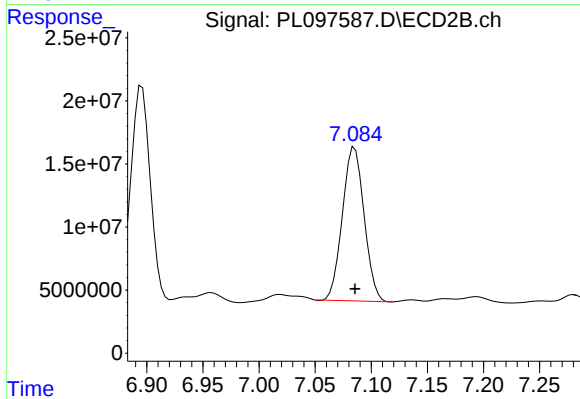
#21 Endrin ketone

R.T.: 6.896 min  
Delta R.T.: 0.000 min  
Response: 207269088  
Conc: 26.24 ng/ml



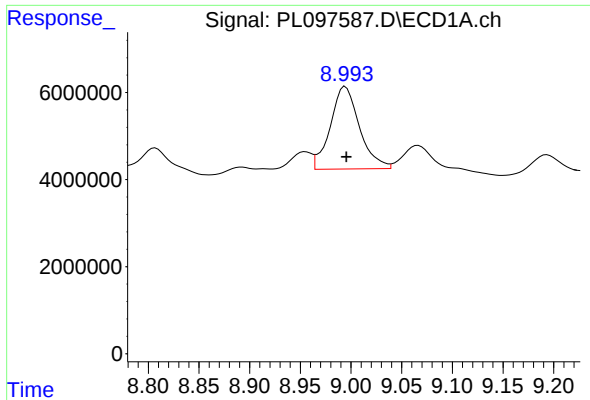
#22 Mirex

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 114890740  
Conc: 36.97 ng/ml



#22 Mirex

R.T.: 7.085 min  
Delta R.T.: 0.000 min  
Response: 164216898  
Conc: 30.70 ng/ml



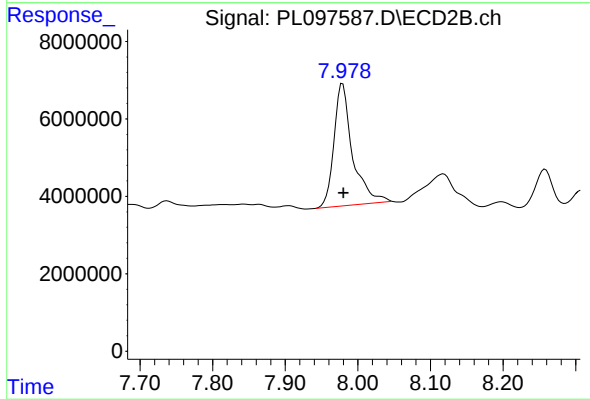
#28 Decachlorobiphenyl

R.T.: 8.993 min  
Delta R.T.: -0.002 min  
Response: 37600048  
Conc: 12.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-360MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/10/2025  
Supervised By :mohammad ahmed 10/11/2025



#28 Decachlorobiphenyl

R.T.: 7.979 min  
Delta R.T.: -0.001 min  
Response: 56346602  
Conc: 10.86 ng/ml