

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL061725\  
 Data File : PL096088.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jun 2025 19:41  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 06/18/2025  
 Supervised By : mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 18 06:30:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL061725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jun 17 17:11:36 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...          | 3.570 | 2.882 | 178.5E6  | 226.4E6 | 49.060 | 47.742  |
| 28) SA Decachlor...         | 9.114 | 8.063 | 127.9E6  | 241.4E6 | 44.666 | 40.054m |
| Target Compounds            |       |       |          |         |        |         |
| 2) A alpha-BHC              | 4.022 | 3.391 | 275.7E6  | 350.2E6 | 48.682 | 48.670  |
| 3) MA gamma-BHC...          | 4.353 | 3.724 | 254.6E6  | 328.8E6 | 48.114 | 47.978  |
| 4) MA Heptachlor            | 4.951 | 4.076 | 229.3E6  | 328.7E6 | 47.184 | 47.137  |
| 5) MB Aldrin                | 5.293 | 4.361 | 242.6E6  | 309.4E6 | 47.588 | 47.032  |
| 6) B beta-BHC               | 4.541 | 4.020 | 109.9E6  | 142.2E6 | 48.733 | 46.940  |
| 7) B delta-BHC              | 4.789 | 4.255 | 251.7E6  | 329.3E6 | 48.408 | 47.912  |
| 8) B Heptachlo...           | 5.714 | 4.863 | 214.4E6  | 283.3E6 | 47.224 | 45.942  |
| 9) A Endosulfan I           | 6.097 | 5.236 | 198.6E6  | 276.0E6 | 46.246 | 43.048  |
| 10) B gamma-Chl...          | 5.969 | 5.116 | 214.5E6  | 307.3E6 | 46.060 | 46.203  |
| 11) B alpha-Chl...          | 6.049 | 5.180 | 212.8E6  | 302.0E6 | 45.974 | 44.304  |
| 12) B 4,4'-DDE              | 6.220 | 5.368 | 197.1E6  | 293.6E6 | 45.524 | 44.764  |
| 13) MA Dieldrin             | 6.371 | 5.502 | 214.6E6  | 294.8E6 | 46.422 | 44.940  |
| 14) MA Endrin               | 6.598 | 5.777 | 169.4E6  | 252.3E6 | 44.567 | 42.505  |
| 15) B Endosulfa...          | 6.812 | 6.069 | 177.5E6  | 259.1E6 | 44.804 | 43.586  |
| 16) A 4,4'-DDD              | 6.731 | 5.922 | 160.6E6  | 240.1E6 | 46.028 | 43.649  |
| 17) MA 4,4'-DDT             | 7.048 | 6.176 | 155.5E6  | 249.4E6 | 44.540 | 41.571  |
| 18) B Endrin al...          | 6.941 | 6.248 | 131.2E6  | 195.5E6 | 46.207 | 43.580  |
| 19) B Endosulfa...          | 7.176 | 6.472 | 163.3E6  | 246.0E6 | 45.021 | 43.271  |
| 20) A Methoxychlor          | 7.524 | 6.749 | 77509778 | 133.6E6 | 43.532 | 40.740  |
| 21) B Endrin ke...          | 7.659 | 6.978 | 177.0E6  | 282.3E6 | 45.453 | 42.541  |
| 22) Mirex                   | 8.140 | 7.172 | 131.0E6  | 223.9E6 | 44.216 | 40.099  |
| -----                       |       |       |          |         |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL061725\  
Data File : PL096088.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jun 2025 19:41  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

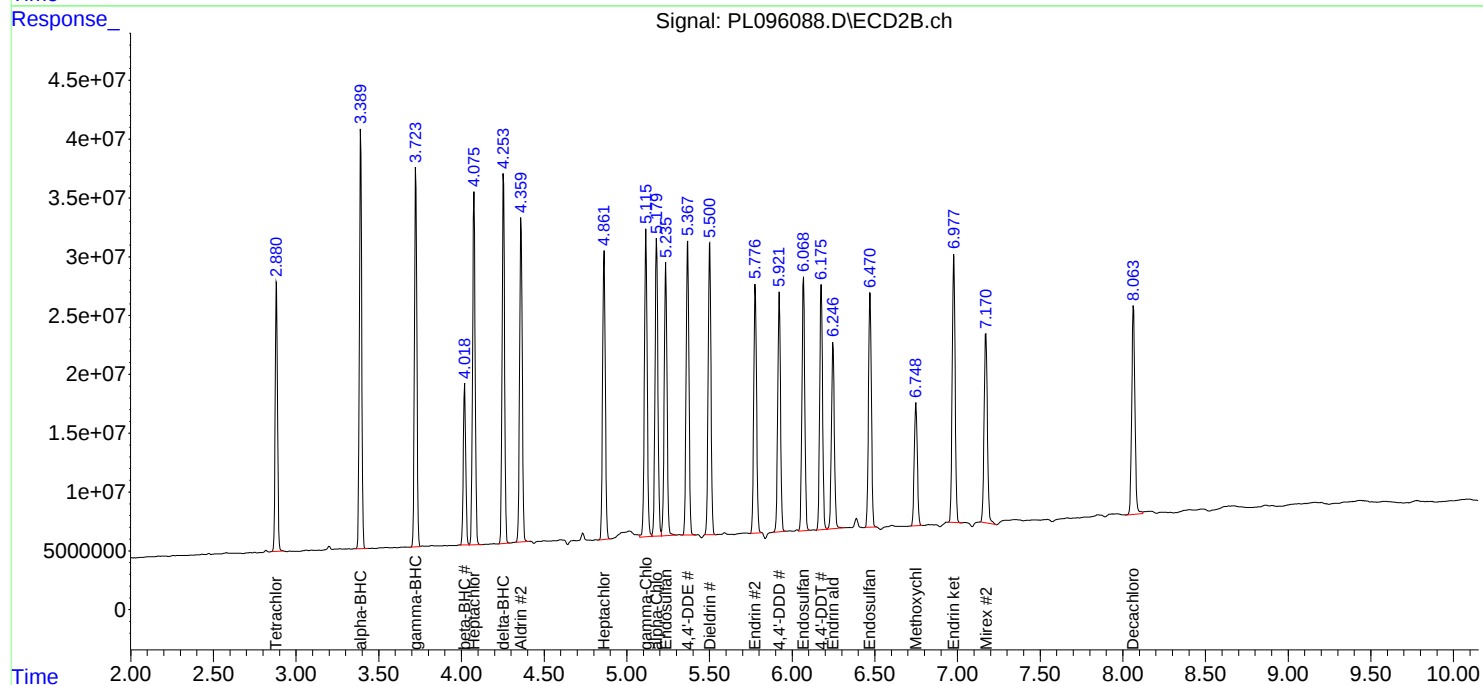
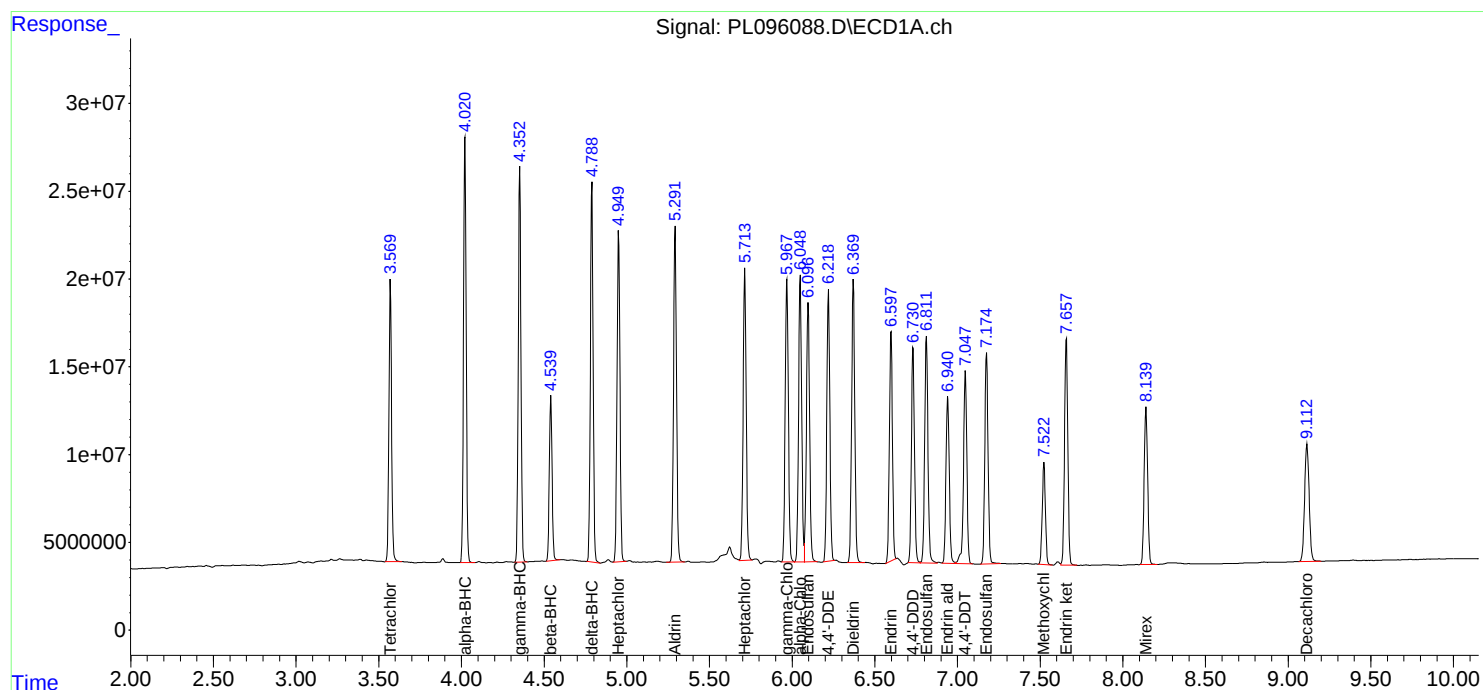
## APPROVED

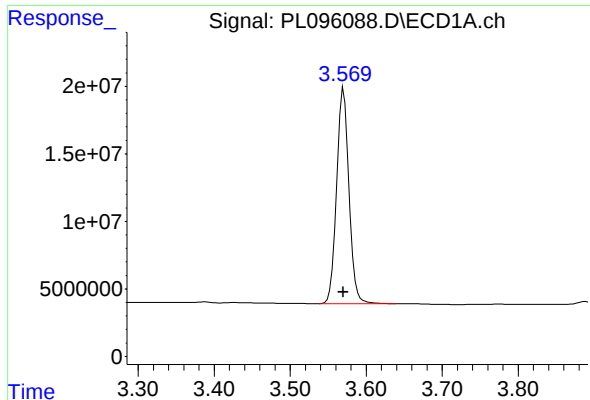
Reviewed By :Abdul Mirza 06/18/2025

Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 18 06:30:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL061725.M  
Quant Title : GC Extractables  
QLast Update : Tue Jun 17 17:11:36 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





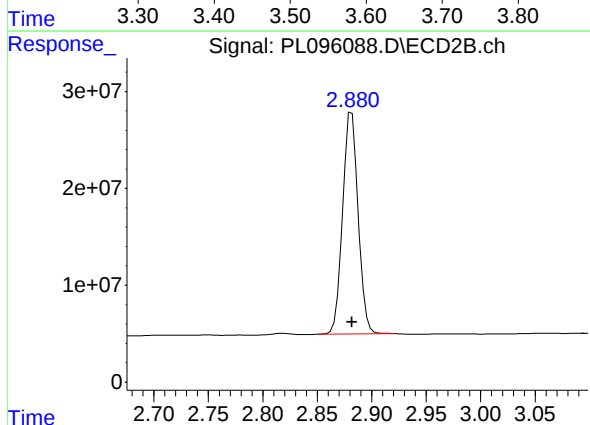
#1 Tetrachloro-m-xylene

R.T.: 3.570 min  
Delta R.T.: 0.000 min  
Response: 178524405  
Conc: 49.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

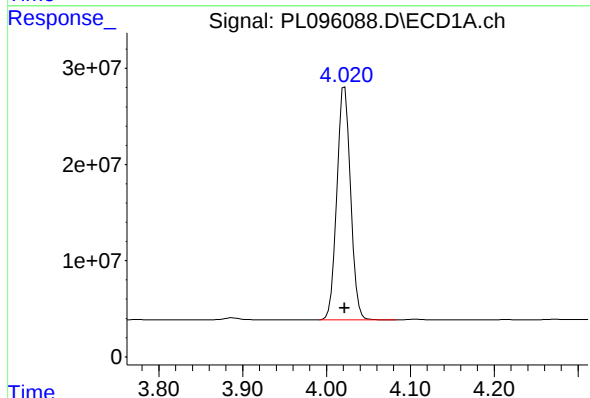
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/18/2025  
Supervised By :mohammad ahmed 06/19/2025



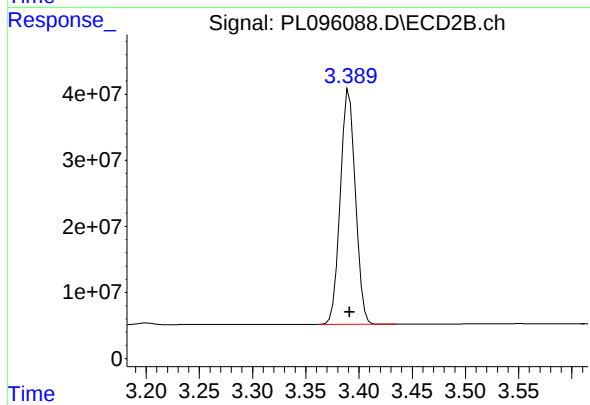
#1 Tetrachloro-m-xylene

R.T.: 2.882 min  
Delta R.T.: 0.000 min  
Response: 226439408  
Conc: 47.74 ng/ml



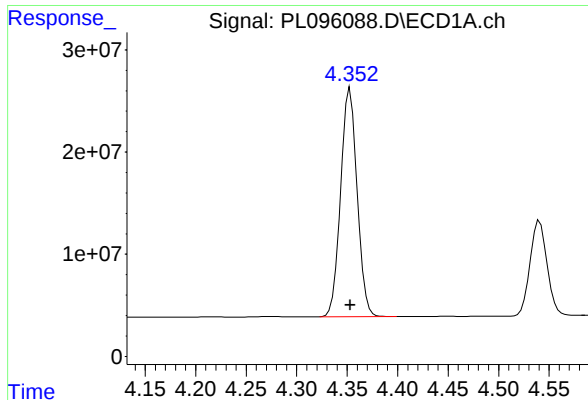
#2 alpha-BHC

R.T.: 4.022 min  
Delta R.T.: 0.000 min  
Response: 275737811  
Conc: 48.68 ng/ml



#2 alpha-BHC

R.T.: 3.391 min  
Delta R.T.: 0.000 min  
Response: 350187929  
Conc: 48.67 ng/ml



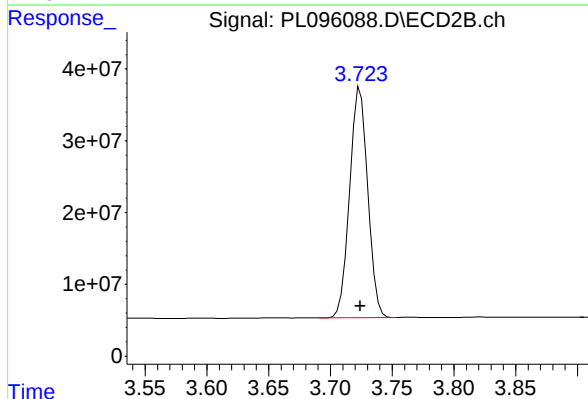
#3 gamma-BHC (Lindane)

R.T.: 4.353 min  
Delta R.T.: 0.000 min  
Response: 254588806  
Conc: 48.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

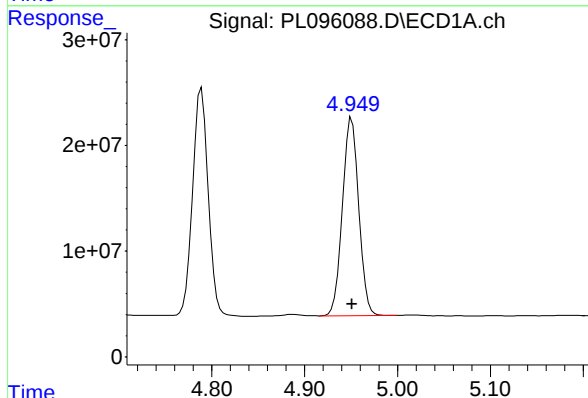
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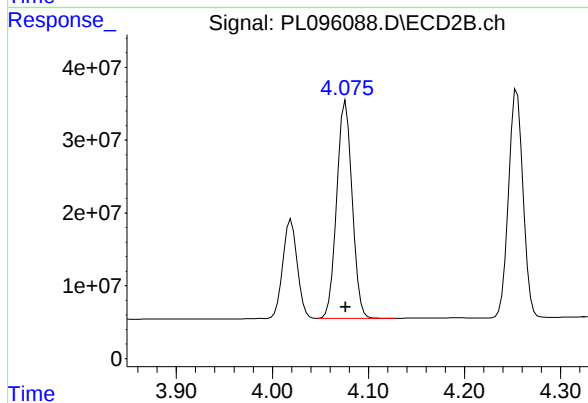
#3 gamma-BHC (Lindane)

R.T.: 3.724 min  
Delta R.T.: 0.000 min  
Response: 328751046  
Conc: 47.98 ng/ml



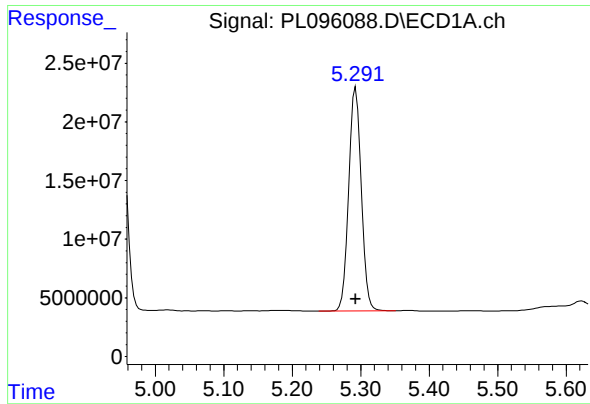
#4 Heptachlor

R.T.: 4.951 min  
Delta R.T.: 0.000 min  
Response: 229328115  
Conc: 47.18 ng/ml



#4 Heptachlor

R.T.: 4.076 min  
Delta R.T.: 0.000 min  
Response: 328736075  
Conc: 47.14 ng/ml



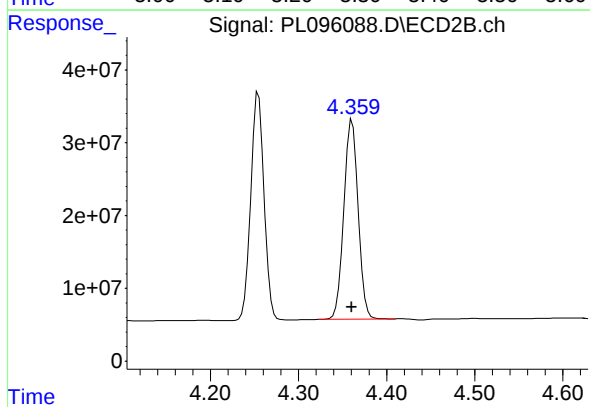
#5 Aldrin

R.T.: 5.293 min  
Delta R.T.: 0.000 min  
Response: 242613259  
Conc: 47.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

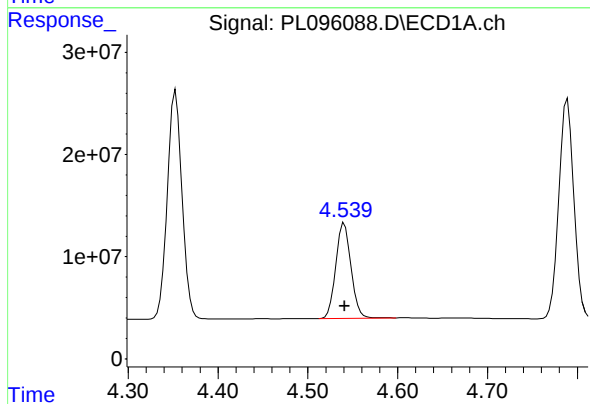
Manual Integrations  
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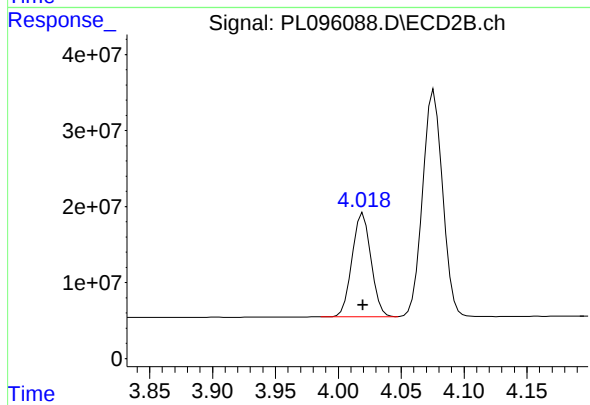
#5 Aldrin

R.T.: 4.361 min  
Delta R.T.: 0.000 min  
Response: 309431409  
Conc: 47.03 ng/ml



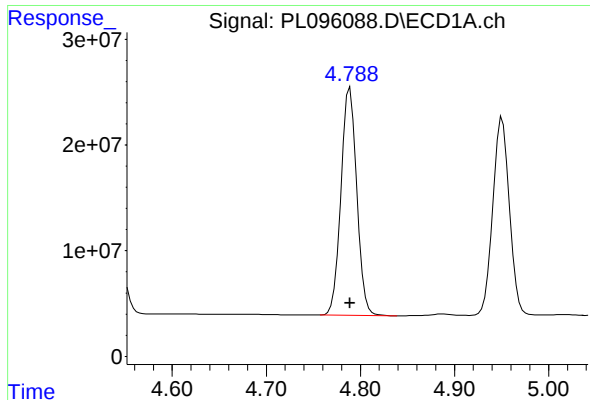
#6 beta-BHC

R.T.: 4.541 min  
Delta R.T.: 0.000 min  
Response: 109878573  
Conc: 48.73 ng/ml



#6 beta-BHC

R.T.: 4.020 min  
Delta R.T.: 0.000 min  
Response: 142214396  
Conc: 46.94 ng/ml



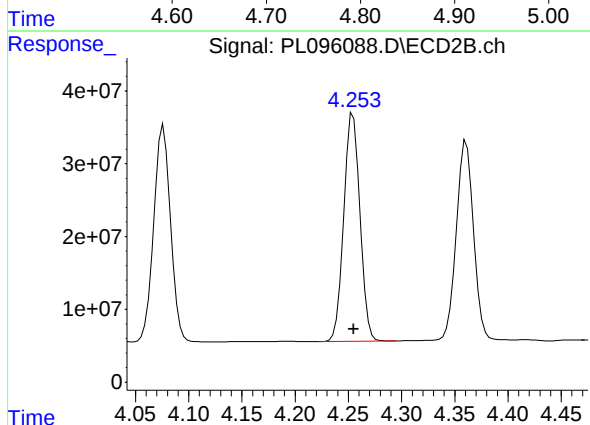
#7 delta-BHC

R.T.: 4.789 min  
Delta R.T.: 0.000 min  
Response: 251652694  
Conc: 48.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

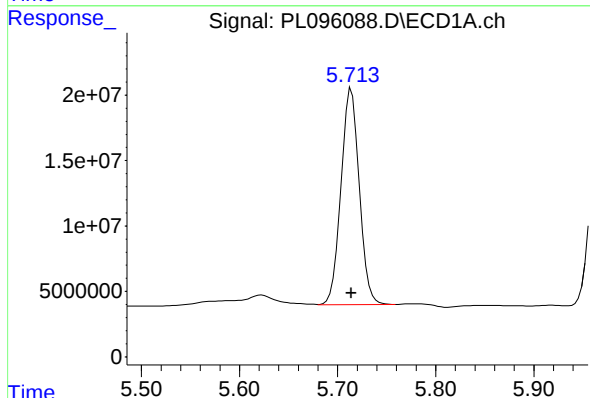
Manual Integrations  
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Supervised By :mohammad ahmed 06/19/2025



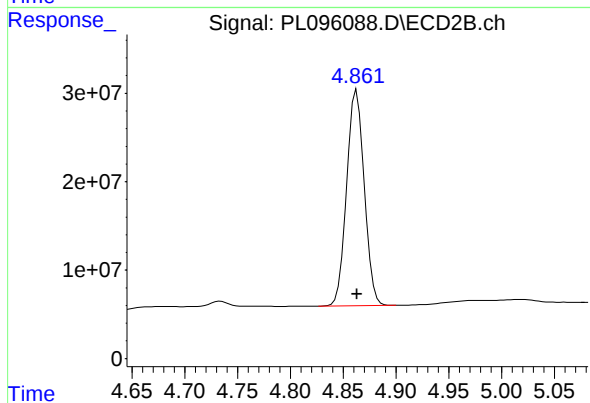
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 329262156  
Conc: 47.91 ng/ml



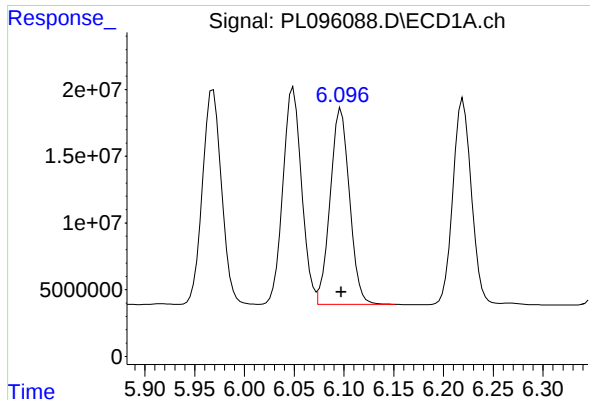
#8 Heptachlor epoxide

R.T.: 5.714 min  
Delta R.T.: 0.000 min  
Response: 214409109  
Conc: 47.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min  
Delta R.T.: 0.000 min  
Response: 283299546  
Conc: 45.94 ng/ml



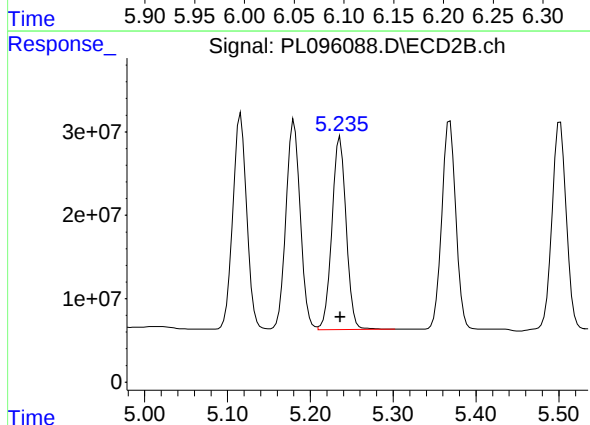
#9 Endosulfan I

R.T.: 6.097 min  
Delta R.T.: 0.000 min  
Response: 198626978  
Conc: 46.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

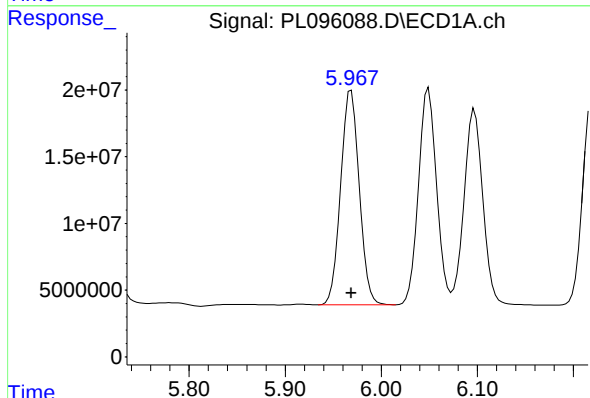
Manual Integrations  
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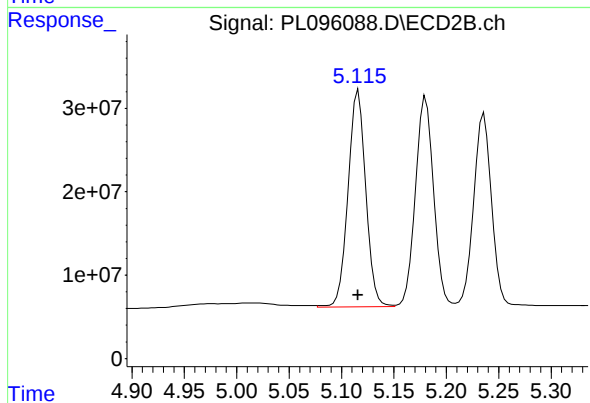
#9 Endosulfan I

R.T.: 5.236 min  
Delta R.T.: 0.000 min  
Response: 276040377  
Conc: 43.05 ng/ml



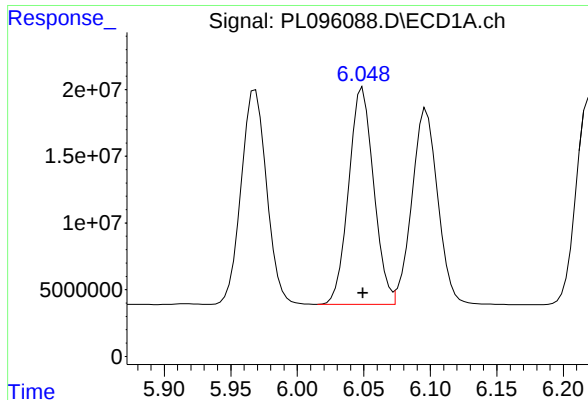
#10 gamma-Chlordane

R.T.: 5.969 min  
Delta R.T.: 0.000 min  
Response: 214516910  
Conc: 46.06 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min  
Delta R.T.: 0.000 min  
Response: 307319472  
Conc: 46.20 ng/ml



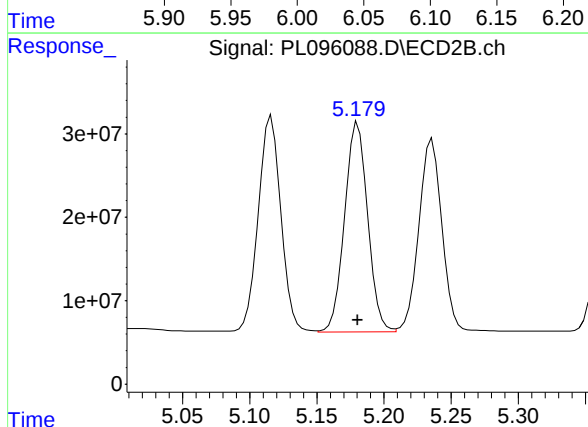
#11 alpha-Chlordane

R.T.: 6.049 min  
Delta R.T.: 0.000 min  
Response: 212825198  
Conc: 45.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

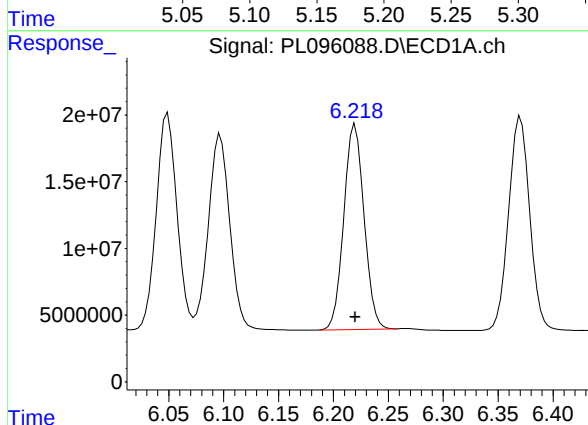
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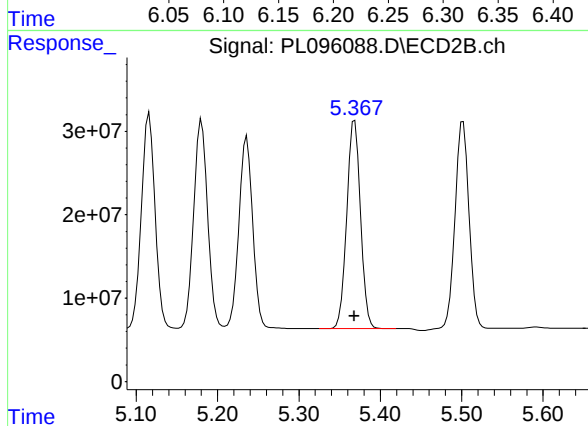
#11 alpha-Chlordane

R.T.: 5.180 min  
Delta R.T.: 0.000 min  
Response: 302040370  
Conc: 44.30 ng/ml



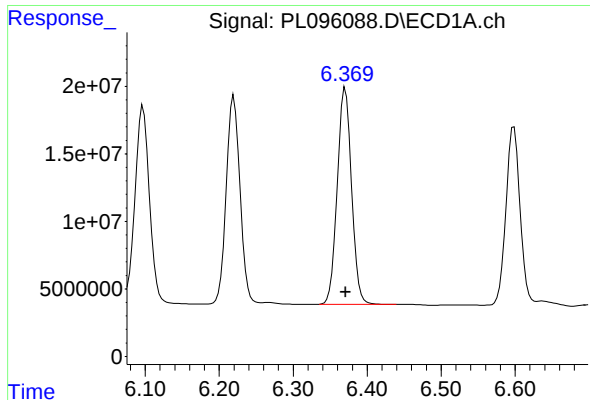
#12 4,4'-DDE

R.T.: 6.220 min  
Delta R.T.: 0.000 min  
Response: 197148198  
Conc: 45.52 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min  
Delta R.T.: 0.000 min  
Response: 293642832  
Conc: 44.76 ng/ml



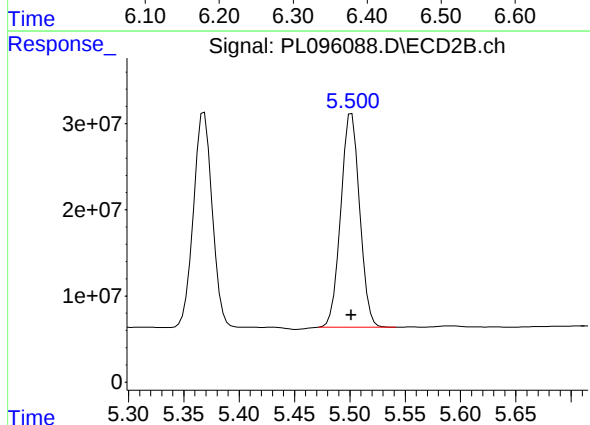
#13 Dieldrin

R.T.: 6.371 min  
Delta R.T.: 0.000 min  
Response: 214574508  
Conc: 46.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

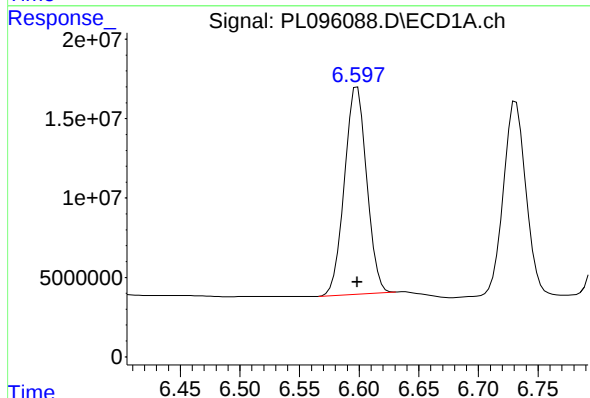
Manual Integrations  
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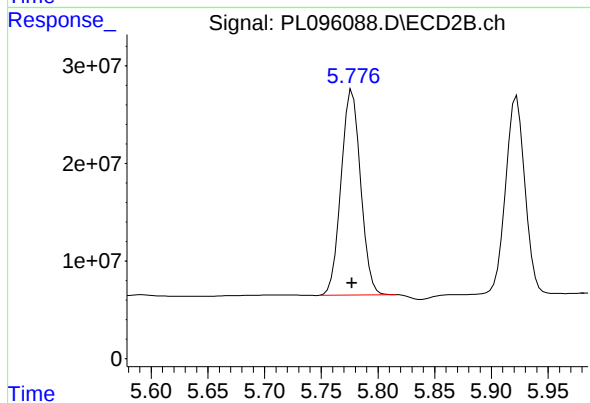
#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: 0.000 min  
Response: 294849808  
Conc: 44.94 ng/ml



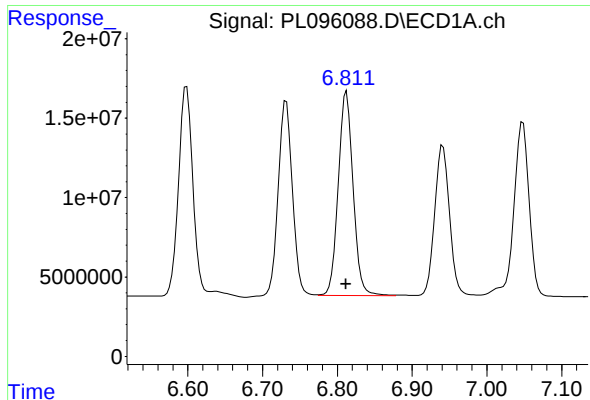
#14 Endrin

R.T.: 6.598 min  
Delta R.T.: 0.000 min  
Response: 169400764  
Conc: 44.57 ng/ml



#14 Endrin

R.T.: 5.777 min  
Delta R.T.: 0.000 min  
Response: 252277242  
Conc: 42.51 ng/ml



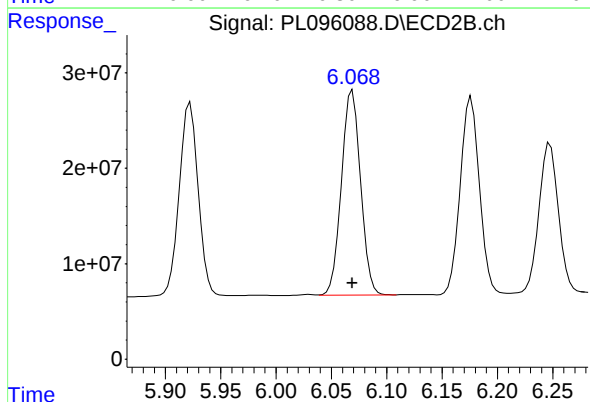
#15 Endosulfan II

R.T.: 6.812 min  
Delta R.T.: 0.000 min  
Response: 177458605  
Conc: 44.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

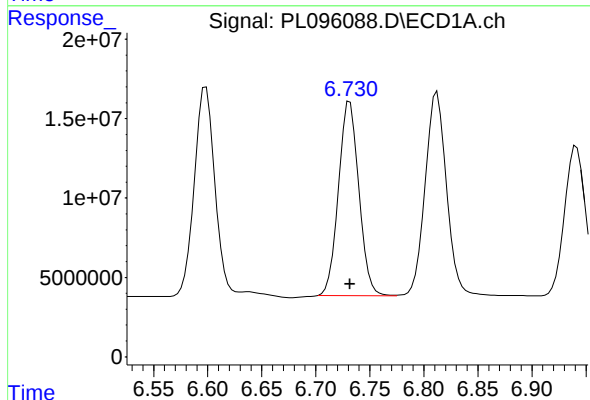
Manual Integrations  
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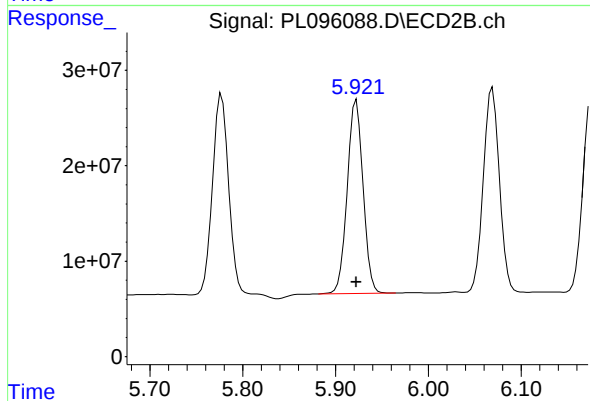
#15 Endosulfan II

R.T.: 6.069 min  
Delta R.T.: 0.000 min  
Response: 259145467  
Conc: 43.59 ng/ml



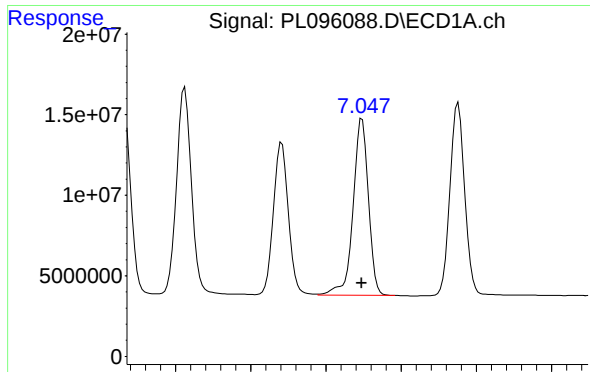
#16 4,4'-DDD

R.T.: 6.731 min  
Delta R.T.: 0.000 min  
Response: 160553873  
Conc: 46.03 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min  
Delta R.T.: 0.000 min  
Response: 240110965  
Conc: 43.65 ng/ml



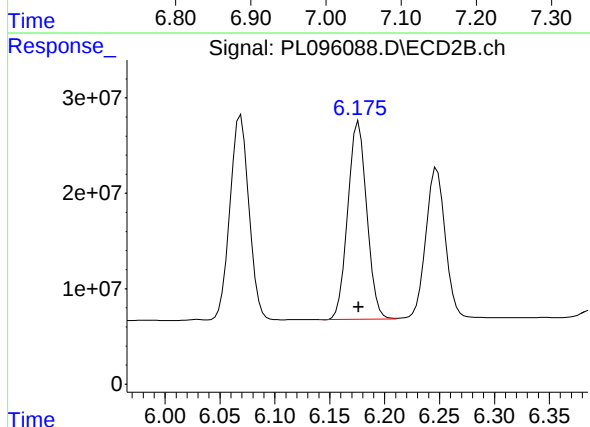
#17 4,4'-DDT

R.T.: 7.048 min  
Delta R.T.: 0.000 min  
Response: 155545653  
Conc: 44.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

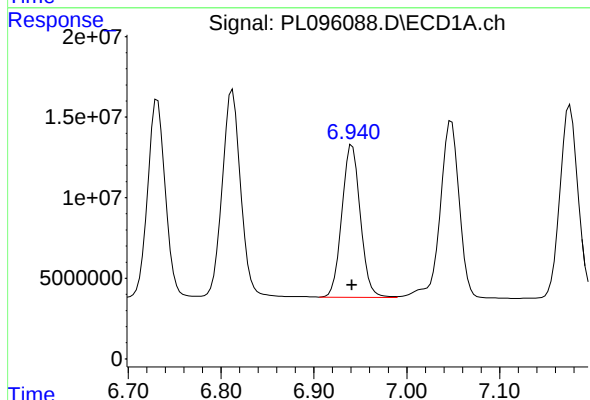
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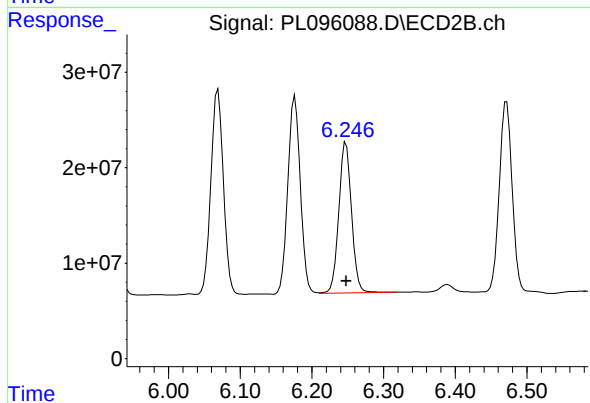
#17 4,4'-DDT

R.T.: 6.176 min  
Delta R.T.: 0.000 min  
Response: 249431342  
Conc: 41.57 ng/ml



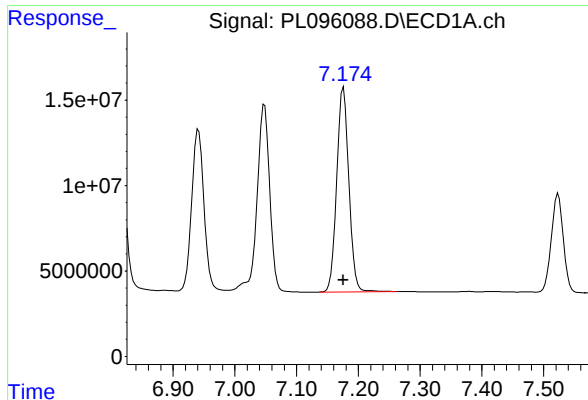
#18 Endrin aldehyde

R.T.: 6.941 min  
Delta R.T.: 0.000 min  
Response: 131233822  
Conc: 46.21 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min  
Delta R.T.: 0.000 min  
Response: 195507471  
Conc: 43.58 ng/ml



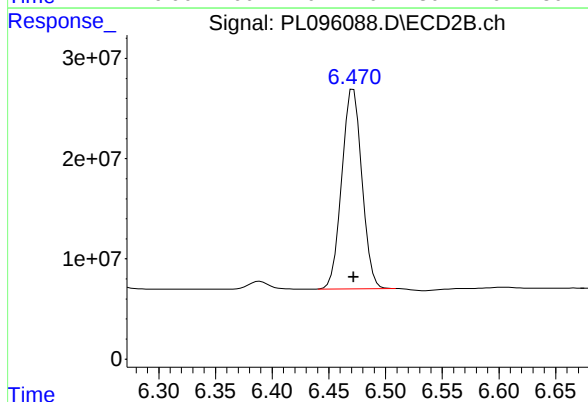
#19 Endosulfan Sulfate

R.T.: 7.176 min  
Delta R.T.: 0.000 min  
Response: 163260026  
Conc: 45.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

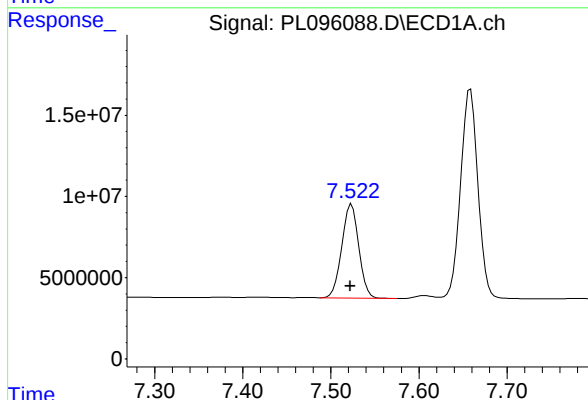
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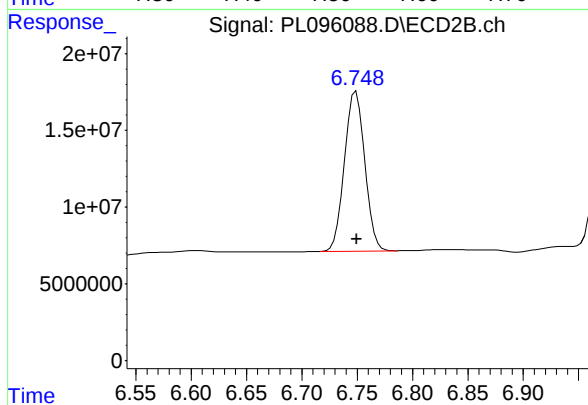
#19 Endosulfan Sulfate

R.T.: 6.472 min  
Delta R.T.: 0.000 min  
Response: 246005799  
Conc: 43.27 ng/ml



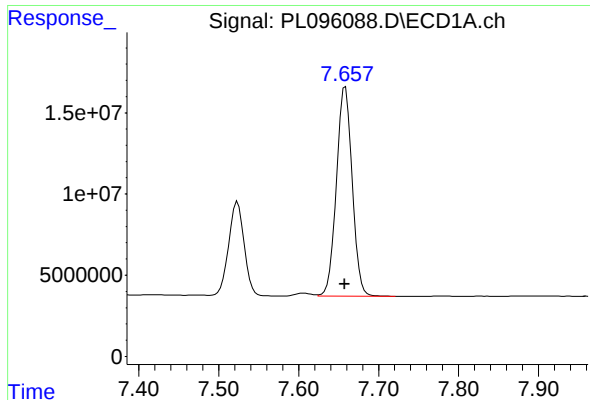
#20 Methoxychlor

R.T.: 7.524 min  
Delta R.T.: 0.002 min  
Response: 77509778  
Conc: 43.53 ng/ml



#20 Methoxychlor

R.T.: 6.749 min  
Delta R.T.: 0.000 min  
Response: 133647315  
Conc: 40.74 ng/ml



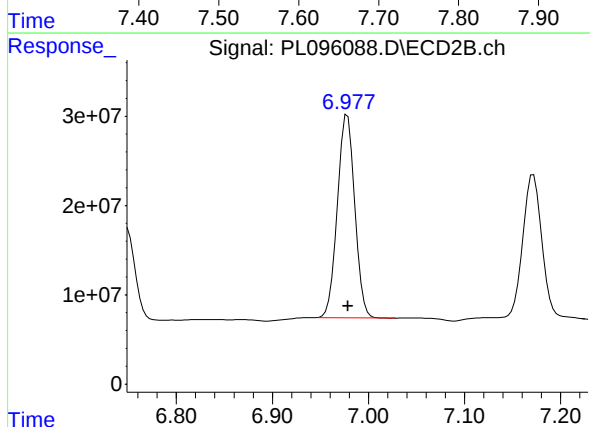
#21 Endrin ketone

R.T.: 7.659 min  
Delta R.T.: 0.000 min  
Response: 177011727  
Conc: 45.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

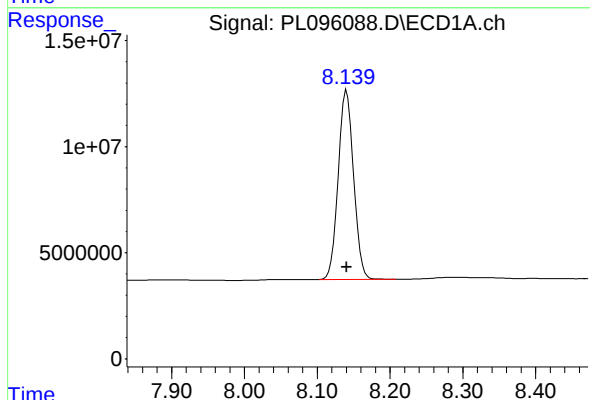
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/18/2025  
Supervised By :mohammad ahmed 06/19/2025



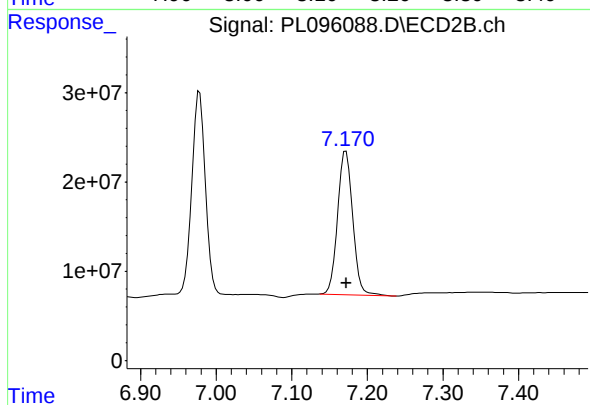
#21 Endrin ketone

R.T.: 6.978 min  
Delta R.T.: 0.000 min  
Response: 282310784  
Conc: 42.54 ng/ml



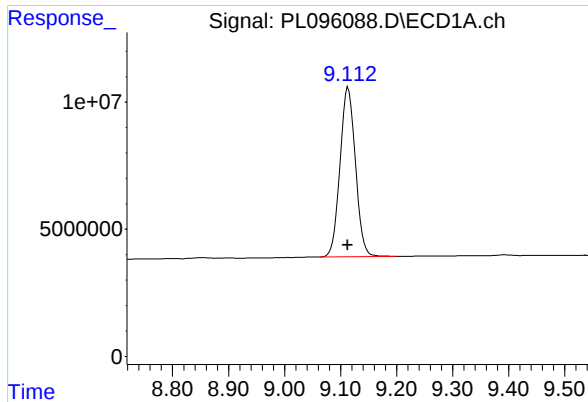
#22 Mirex

R.T.: 8.140 min  
Delta R.T.: 0.000 min  
Response: 131003031  
Conc: 44.22 ng/ml



#22 Mirex

R.T.: 7.172 min  
Delta R.T.: 0.000 min  
Response: 223921832  
Conc: 40.10 ng/ml



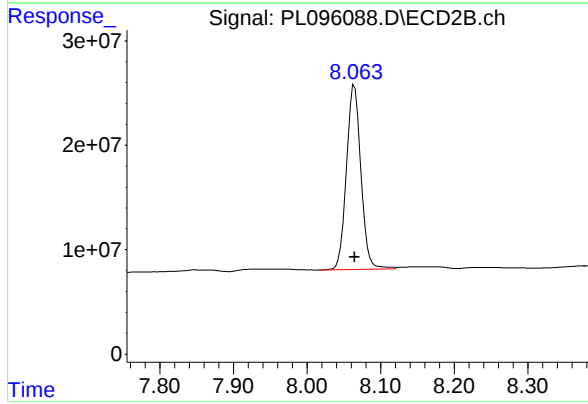
#28 Decachlorobiphenyl

R.T.: 9.114 min  
Delta R.T.: 0.001 min  
Response: 127905096  
Conc: 44.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/18/2025  
Supervised By :mohammad ahmed 06/19/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min  
Delta R.T.: -0.002 min  
Response: 241426900  
Conc: 40.05 ng/ml m