

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091425\  
 Data File : PL097201.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 Sep 2025 18:23  
 Operator : AR\AJ  
 Sample : Q3082-05MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 WC-31MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/16/2025  
 Supervised By :mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 13 02:11:37 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL082025.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Aug 21 06:34:01 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... | 3.526 | 2.824 | 60733075 | 87281099 | 15.399m | 15.485 |
| 28)                         | SA Decachlor... | 8.999 | 7.982 | 34706097 | 54035332 | 11.722  | 11.267 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.974 | 3.328 | 299.3E6  | 411.9E6  | 51.665  | 50.165 |
| 3)                          | MA gamma-BHC... | 4.301 | 3.660 | 275.9E6  | 377.6E6  | 50.520  | 51.256 |
| 4)                          | MA Heptachlor   | 4.892 | 4.008 | 265.2E6  | 353.7E6  | 49.726  | 47.011 |
| 5)                          | MB Aldrin       | 5.231 | 4.290 | 262.9E6  | 348.6E6  | 50.043  | 49.566 |
| 6)                          | B beta-BHC      | 4.489 | 3.956 | 111.8E6  | 157.9E6  | 48.896  | 48.400 |
| 7)                          | B delta-BHC     | 4.734 | 4.188 | 260.5E6  | 363.2E6  | 57.894  | 49.419 |
| 8)                          | B Heptachlo...  | 5.651 | 4.791 | 241.4E6  | 315.9E6  | 46.909  | 49.937 |
| 9)                          | A Endosulfan I  | 6.032 | 5.163 | 215.3E6  | 282.9E6  | 50.108  | 47.218 |
| 10)                         | B gamma-Chl...  | 5.903 | 5.043 | 234.3E6  | 327.5E6  | 50.875m | 49.536 |
| 11)                         | B alpha-Chl...  | 5.985 | 5.107 | 232.6E6  | 321.8E6  | 49.425  | 49.285 |
| 12)                         | B 4,4'-DDE      | 6.155 | 5.296 | 194.7E6  | 301.5E6  | 48.789  | 48.984 |
| 13)                         | MA Dieldrin     | 6.305 | 5.426 | 221.9E6  | 329.4E6  | 48.864  | 50.272 |
| 14)                         | MA Endrin       | 6.531 | 5.701 | 176.5E6  | 267.6E6  | 47.120  | 45.293 |
| 15)                         | B Endosulfa...  | 6.744 | 5.993 | 199.0E6  | 271.4E6  | 45.170  | 47.458 |
| 16)                         | A 4,4'-DDD      | 6.664 | 5.848 | 176.7E6  | 250.9E6  | 55.995  | 48.036 |
| 17)                         | MA 4,4'-DDT     | 6.978 | 6.100 | 150.2E6  | 214.3E6  | 42.894  | 39.123 |
| 18)                         | B Endrin al...  | 6.872 | 6.171 | 143.5E6  | 206.1E6  | 55.177  | 49.528 |
| 19)                         | B Endosulfa...  | 7.106 | 6.394 | 168.1E6  | 250.6E6  | 48.951  | 44.723 |
| 20)                         | A Methoxychlor  | 7.450 | 6.672 | 71206864 | 121.9E6  | 41.030  | 40.642 |
| 21)                         | B Endrin ke...  | 7.584 | 6.898 | 179.9E6  | 273.3E6  | 50.600m | 43.670 |
| 22)                         | Mirex           | 8.063 | 7.087 | 138.8E6  | 202.3E6  | 46.383  | 41.656 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091425\  
Data File : PL097201.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 Sep 2025 18:23  
Operator : AR\AJ  
Sample : Q3082-05MSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

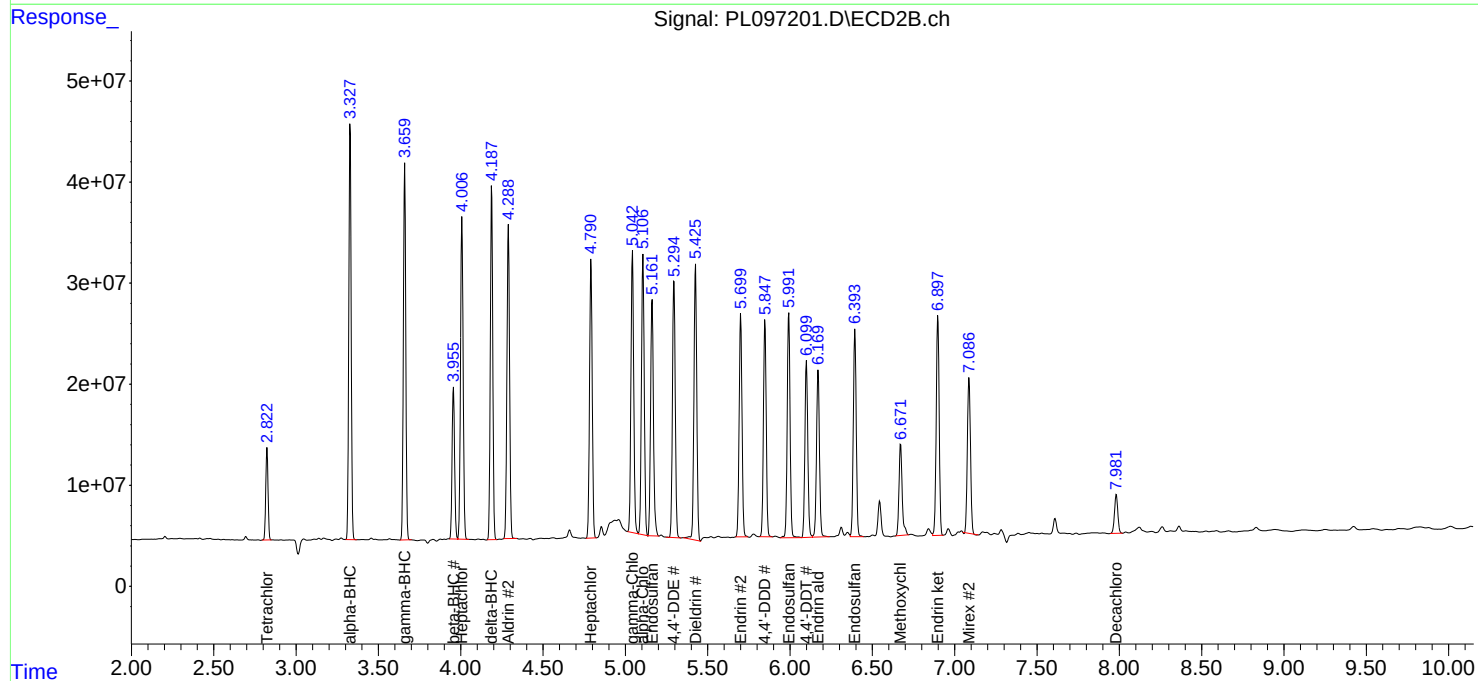
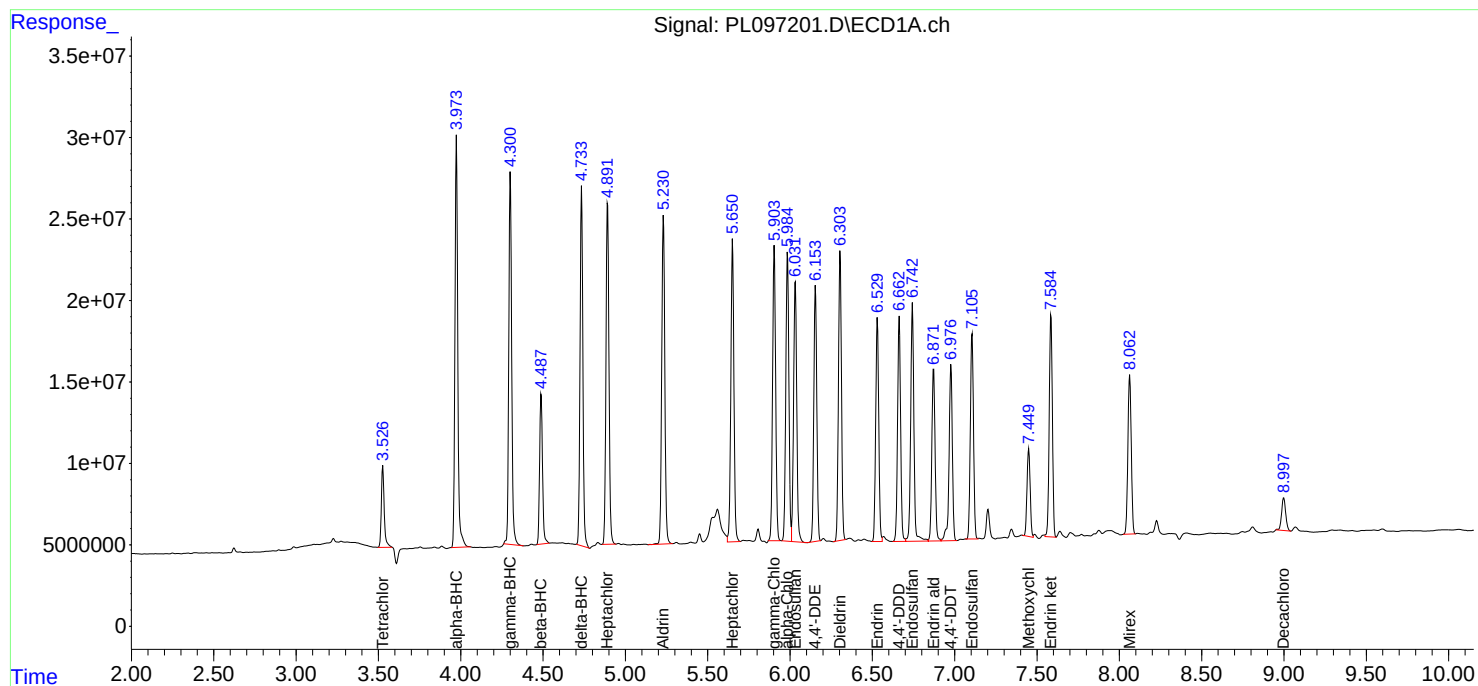
Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

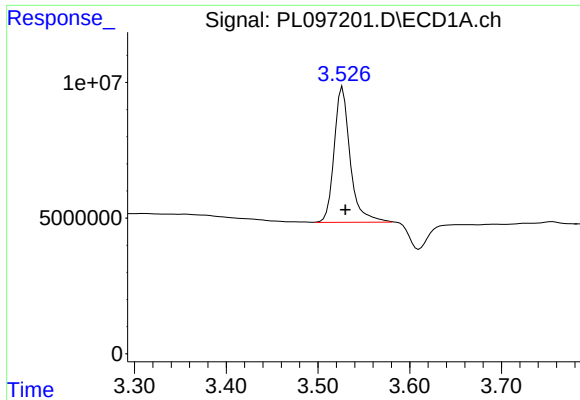
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 13 02:11:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL082025.M  
Quant Title : GC Extractables  
QLast Update : Thu Aug 21 06:34:01 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





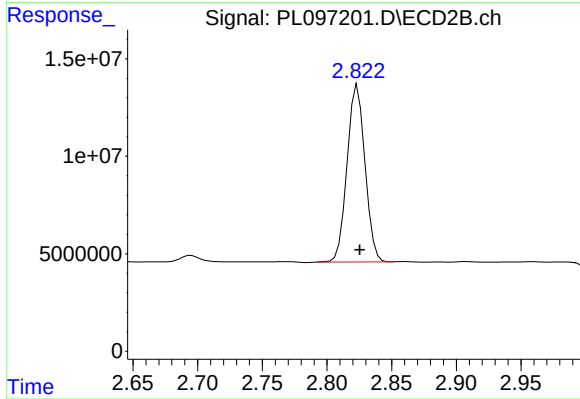
#1 Tetrachloro-m-xylene

R.T.: 3.526 min  
Delta R.T.: -0.004 min  
Response: 60733075  
Conc: 15.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

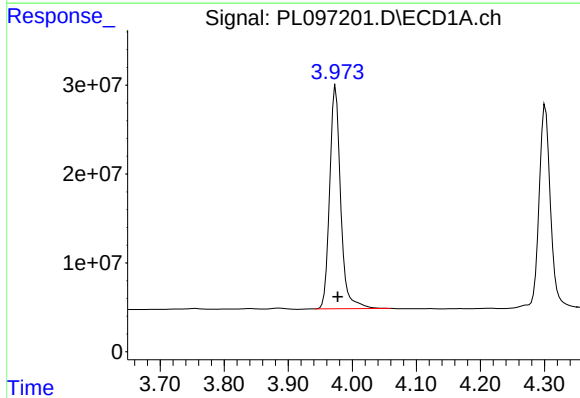
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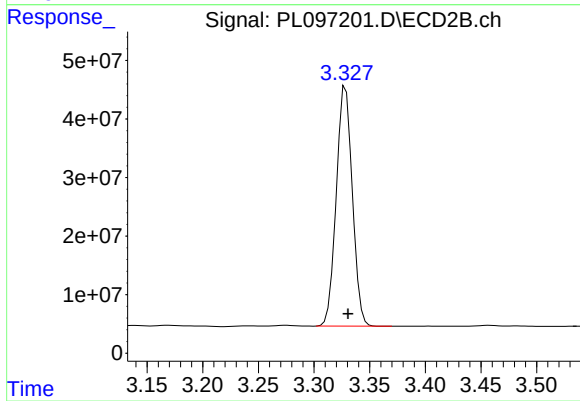
#1 Tetrachloro-m-xylene

R.T.: 2.824 min  
Delta R.T.: -0.002 min  
Response: 87281099  
Conc: 15.48 ng/ml



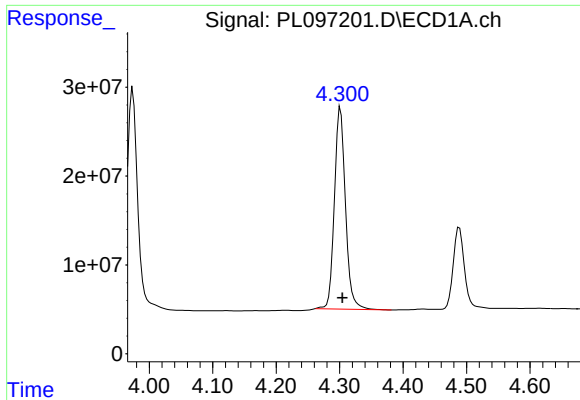
#2 alpha-BHC

R.T.: 3.974 min  
Delta R.T.: -0.003 min  
Response: 299347155  
Conc: 51.66 ng/ml



#2 alpha-BHC

R.T.: 3.328 min  
Delta R.T.: -0.002 min  
Response: 411917169  
Conc: 50.16 ng/ml



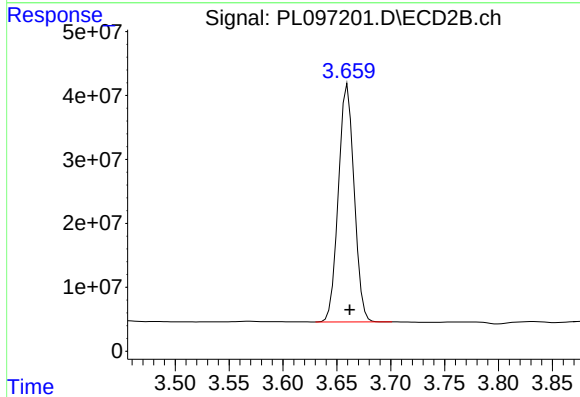
#3 gamma-BHC (Lindane)

R.T.: 4.301 min  
Delta R.T.: -0.003 min  
Response: 275929171  
Conc: 50.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

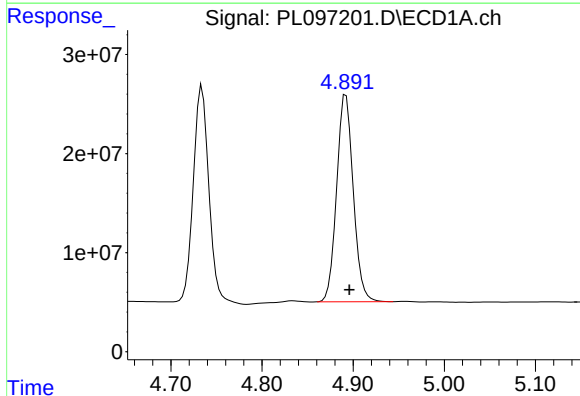
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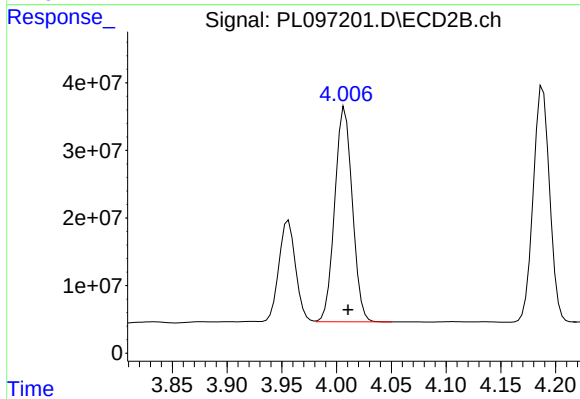
#3 gamma-BHC (Lindane)

R.T.: 3.660 min  
Delta R.T.: -0.002 min  
Response: 377580175  
Conc: 51.26 ng/ml



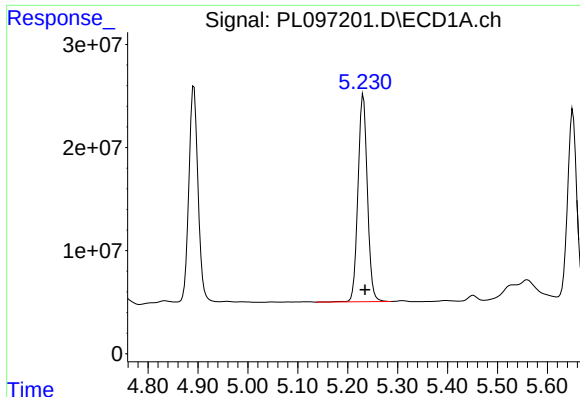
#4 Heptachlor

R.T.: 4.892 min  
Delta R.T.: -0.004 min  
Response: 265155440  
Conc: 49.73 ng/ml



#4 Heptachlor

R.T.: 4.008 min  
Delta R.T.: -0.003 min  
Response: 353720596  
Conc: 47.01 ng/ml



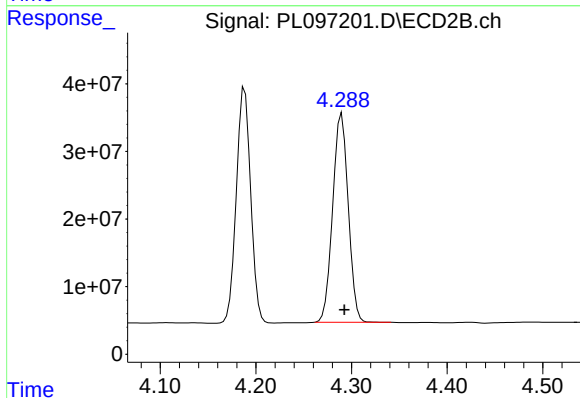
#5 Aldrin

R.T.: 5.231 min  
Delta R.T.: -0.004 min  
Response: 262901172  
Conc: 50.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

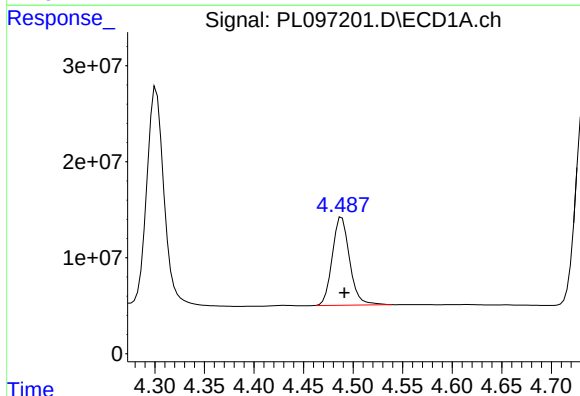
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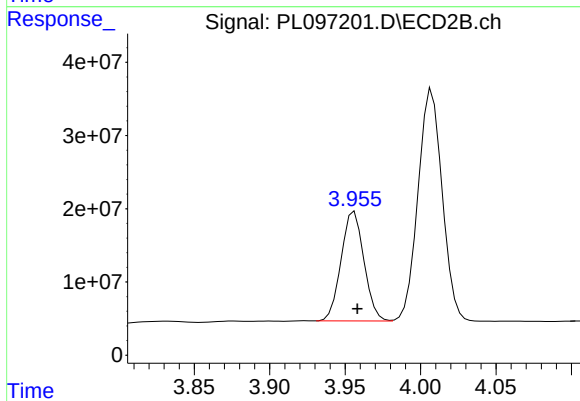
#5 Aldrin

R.T.: 4.290 min  
Delta R.T.: -0.003 min  
Response: 348587673  
Conc: 49.57 ng/ml



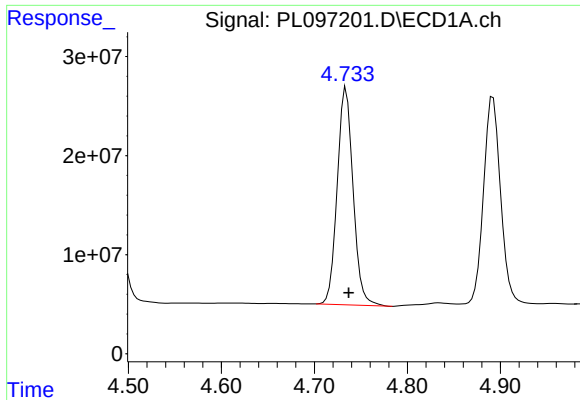
#6 beta-BHC

R.T.: 4.489 min  
Delta R.T.: -0.002 min  
Response: 111826883  
Conc: 48.90 ng/ml



#6 beta-BHC

R.T.: 3.956 min  
Delta R.T.: -0.002 min  
Response: 157894163  
Conc: 48.40 ng/ml



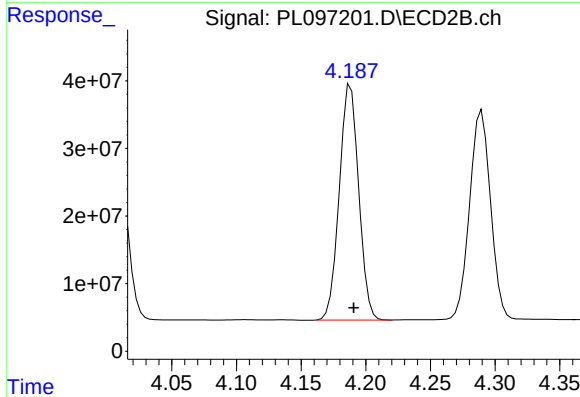
#7 delta-BHC

R.T.: 4.734 min  
Delta R.T.: -0.003 min  
Response: 260521568  
Conc: 57.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

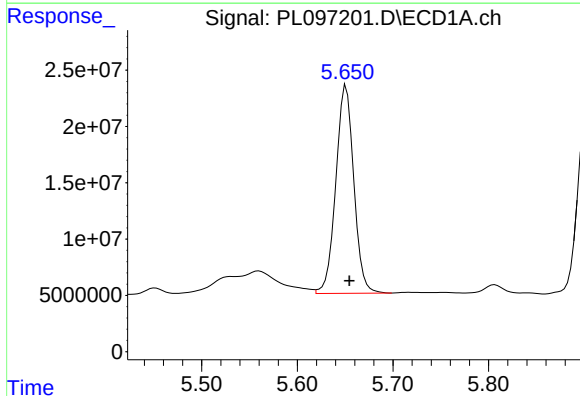
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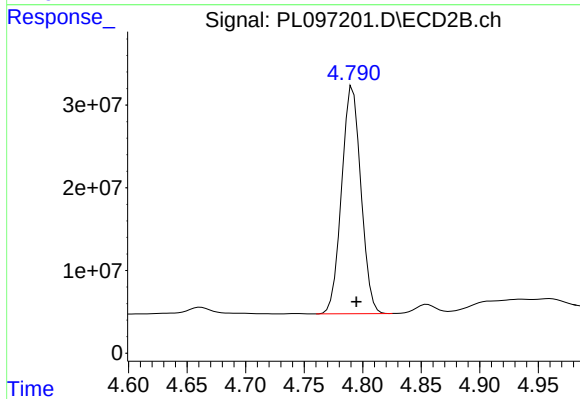
#7 delta-BHC

R.T.: 4.188 min  
Delta R.T.: -0.002 min  
Response: 363172789  
Conc: 49.42 ng/ml



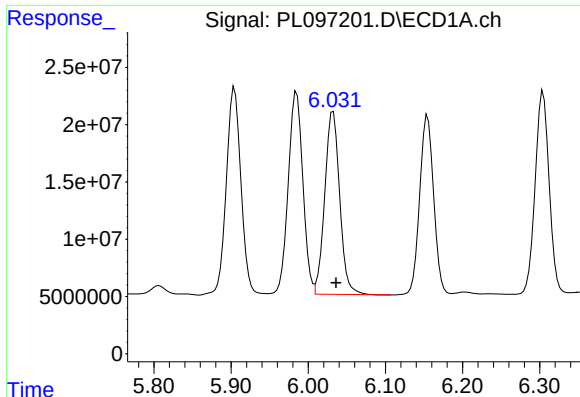
#8 Heptachlor epoxide

R.T.: 5.651 min  
Delta R.T.: -0.003 min  
Response: 241384058  
Conc: 46.91 ng/ml



#8 Heptachlor epoxide

R.T.: 4.791 min  
Delta R.T.: -0.003 min  
Response: 315854395  
Conc: 49.94 ng/ml



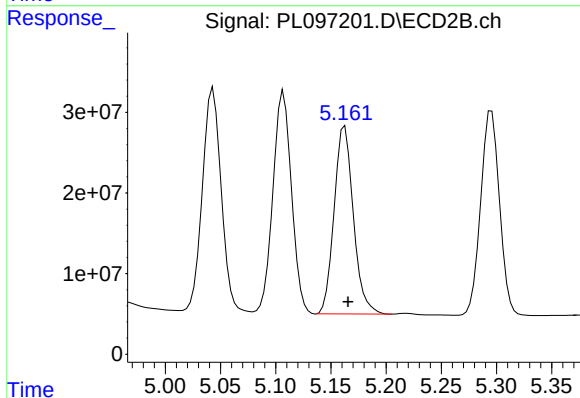
#9 Endosulfan I

R.T.: 6.032 min  
Delta R.T.: -0.004 min  
Response: 215302731  
Conc: 50.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

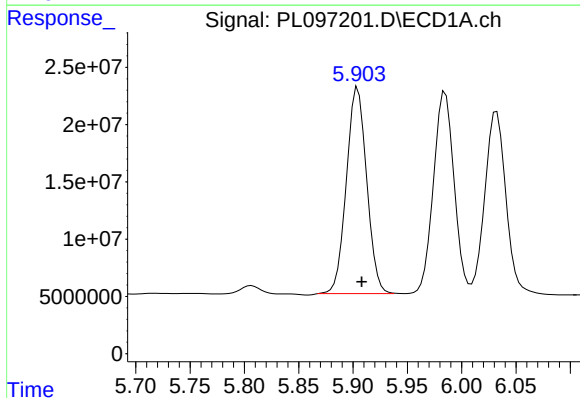
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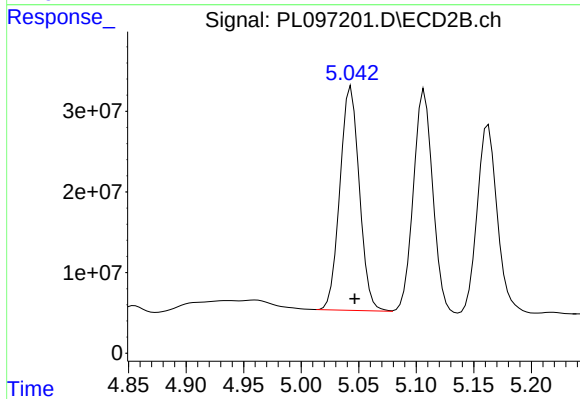
#9 Endosulfan I

R.T.: 5.163 min  
Delta R.T.: -0.003 min  
Response: 282897369  
Conc: 47.22 ng/ml



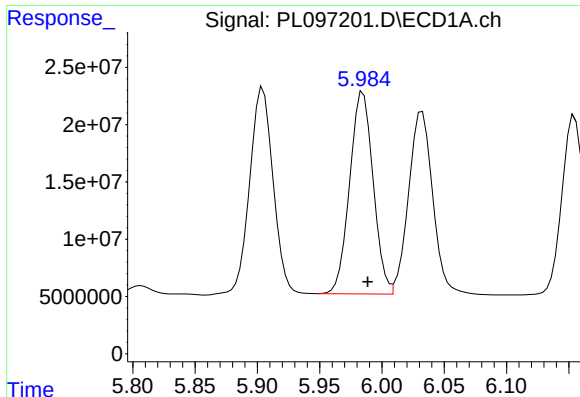
#10 gamma-Chlordane

R.T.: 5.903 min  
Delta R.T.: -0.005 min  
Response: 234302885  
Conc: 50.87 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min  
Delta R.T.: -0.003 min  
Response: 327489154  
Conc: 49.54 ng/ml



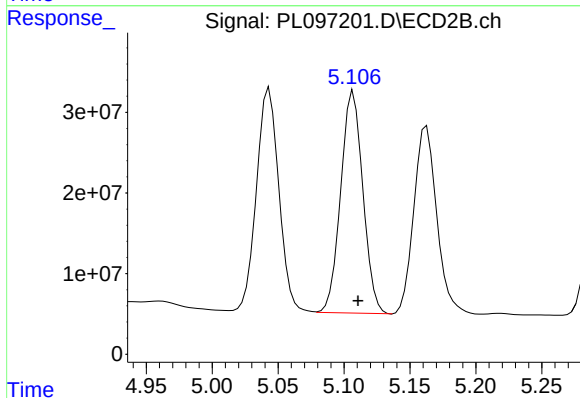
#11 alpha-Chlordane

R.T.: 5.985 min  
Delta R.T.: -0.004 min  
Response: 232587019  
Conc: 49.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

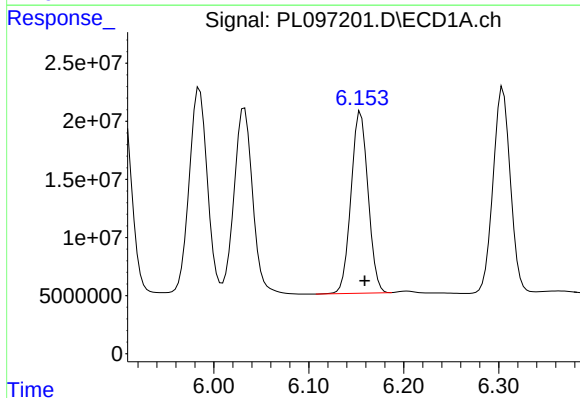
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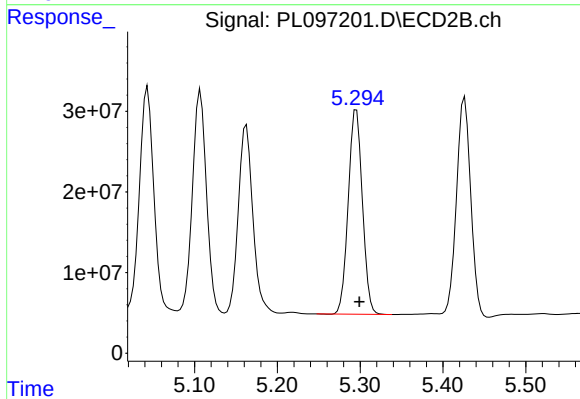
#11 alpha-Chlordane

R.T.: 5.107 min  
Delta R.T.: -0.003 min  
Response: 321819504  
Conc: 49.29 ng/ml



#12 4,4'-DDE

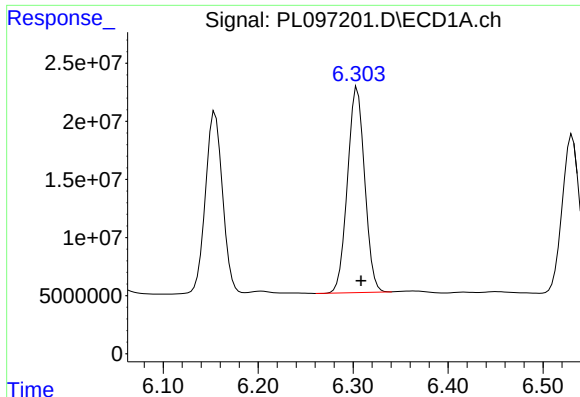
R.T.: 6.155 min  
Delta R.T.: -0.004 min  
Response: 194672744  
Conc: 48.79 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min  
Delta R.T.: -0.004 min  
Response: 301481487  
Conc: 48.98 ng/ml





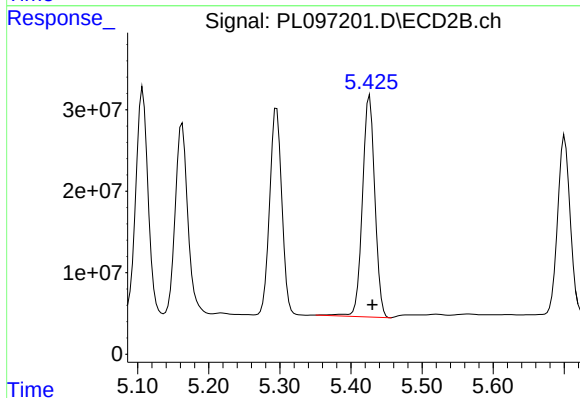
#13 Dieldrin

R.T.: 6.305 min  
Delta R.T.: -0.004 min  
Response: 221882156  
Conc: 48.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

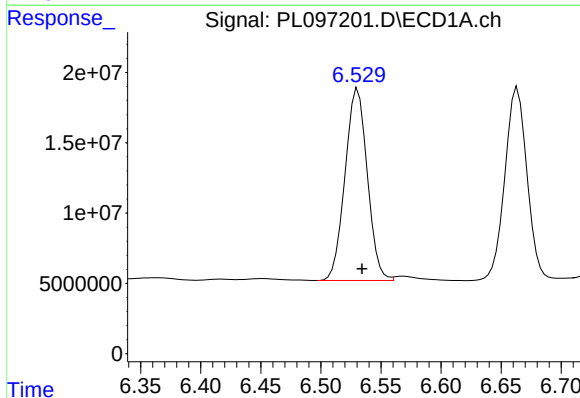
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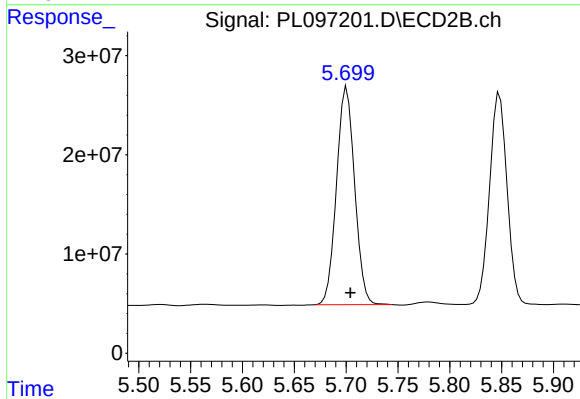
#13 Dieldrin

R.T.: 5.426 min  
Delta R.T.: -0.004 min  
Response: 329436306  
Conc: 50.27 ng/ml



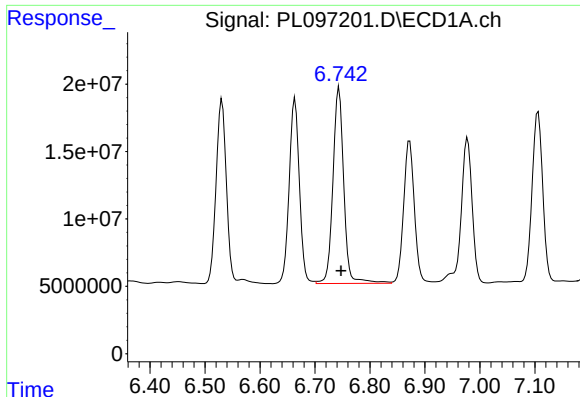
#14 Endrin

R.T.: 6.531 min  
Delta R.T.: -0.004 min  
Response: 176459128  
Conc: 47.12 ng/ml



#14 Endrin

R.T.: 5.701 min  
Delta R.T.: -0.003 min  
Response: 267554254  
Conc: 45.29 ng/ml



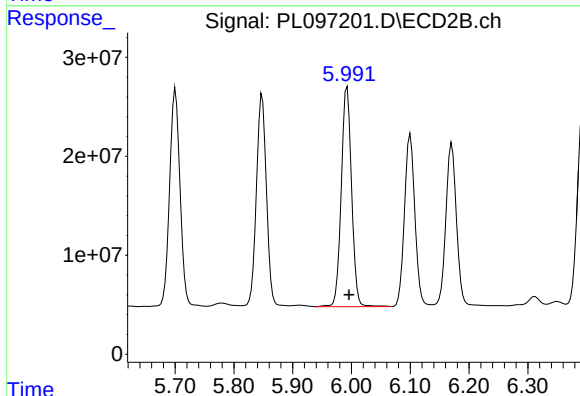
#15 Endosulfan II

R.T.: 6.744 min  
Delta R.T.: -0.004 min  
Response: 198974688  
Conc: 45.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

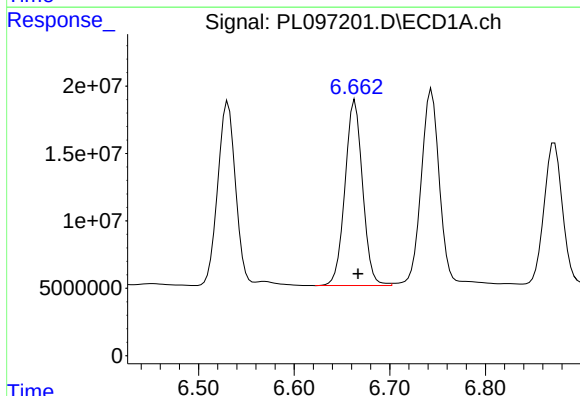
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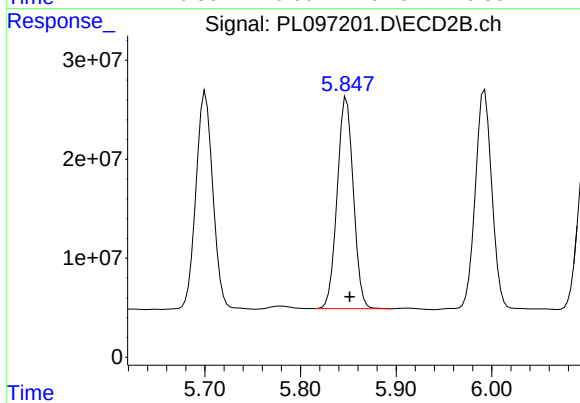
#15 Endosulfan II

R.T.: 5.993 min  
Delta R.T.: -0.004 min  
Response: 271401893  
Conc: 47.46 ng/ml



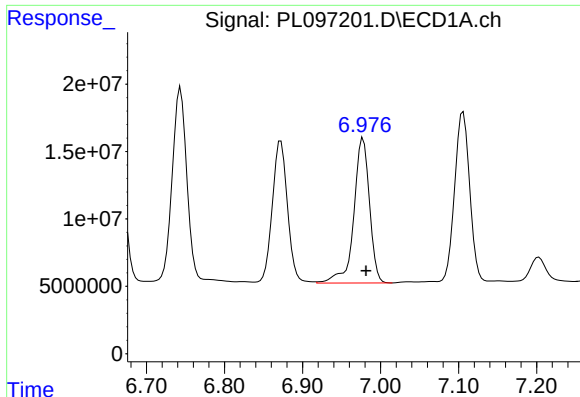
#16 4,4'-DDD

R.T.: 6.664 min  
Delta R.T.: -0.003 min  
Response: 176710172  
Conc: 56.00 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min  
Delta R.T.: -0.003 min  
Response: 250858955  
Conc: 48.04 ng/ml



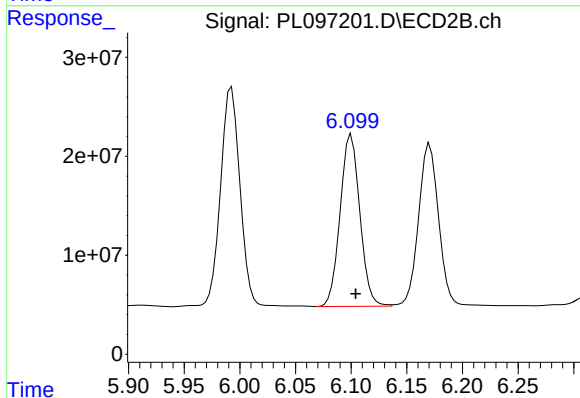
#17 4,4'-DDT

R.T.: 6.978 min  
Delta R.T.: -0.004 min  
Response: 150232845  
Conc: 42.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

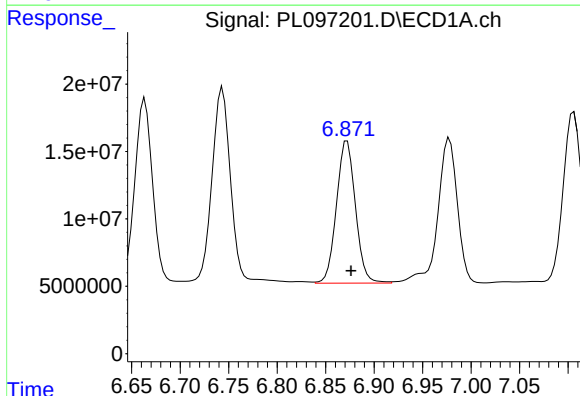
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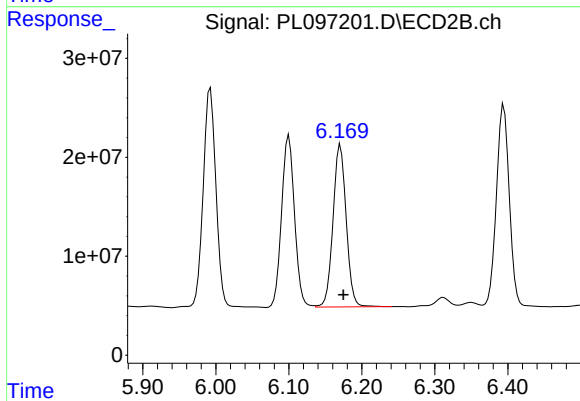
#17 4,4'-DDT

R.T.: 6.100 min  
Delta R.T.: -0.004 min  
Response: 214285746  
Conc: 39.12 ng/ml



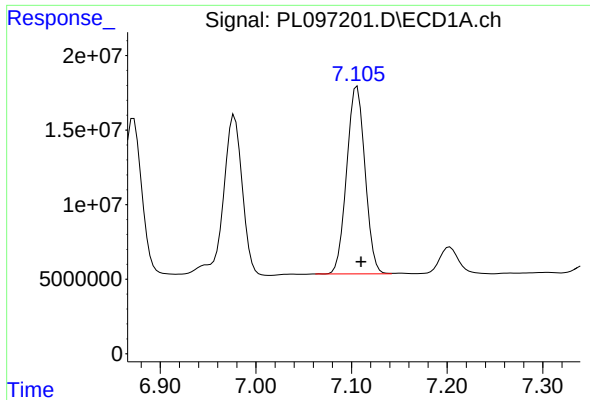
#18 Endrin aldehyde

R.T.: 6.872 min  
Delta R.T.: -0.004 min  
Response: 143539864  
Conc: 55.18 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min  
Delta R.T.: -0.004 min  
Response: 206088681  
Conc: 49.53 ng/ml



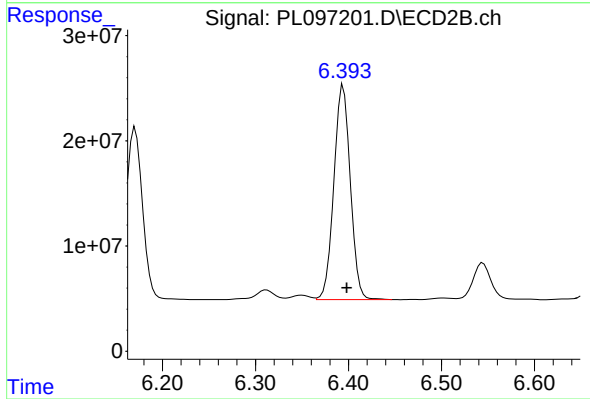
#19 Endosulfan Sulfate

R.T.: 7.106 min  
Delta R.T.: -0.004 min  
Response: 168067236  
Conc: 48.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

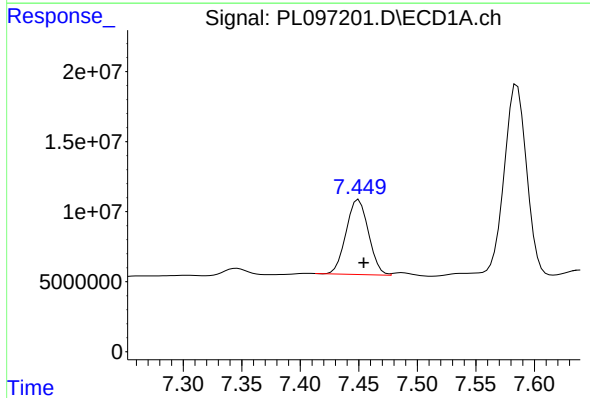
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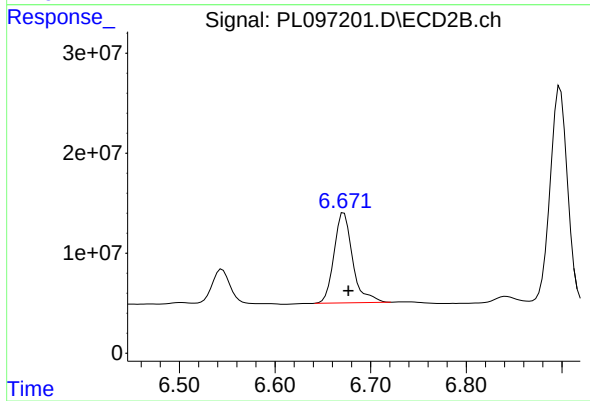
#19 Endosulfan Sulfate

R.T.: 6.394 min  
Delta R.T.: -0.004 min  
Response: 250580463  
Conc: 44.72 ng/ml



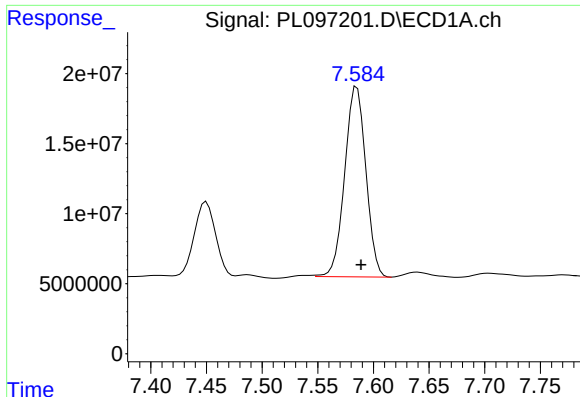
#20 Methoxychlor

R.T.: 7.450 min  
Delta R.T.: -0.004 min  
Response: 71206864  
Conc: 41.03 ng/ml



#20 Methoxychlor

R.T.: 6.672 min  
Delta R.T.: -0.004 min  
Response: 121916165  
Conc: 40.64 ng/ml



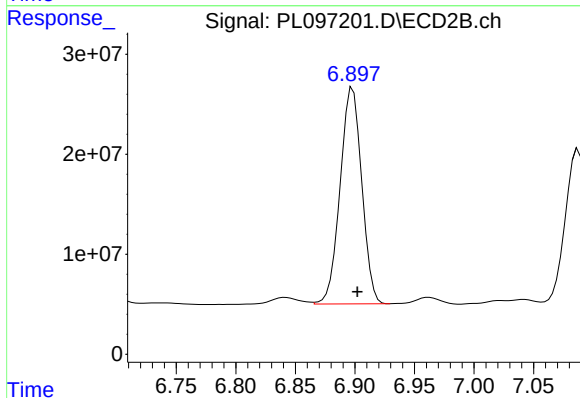
#21 Endrin ketone

R.T.: 7.584 min  
Delta R.T.: -0.005 min  
Response: 179897021  
Conc: 50.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

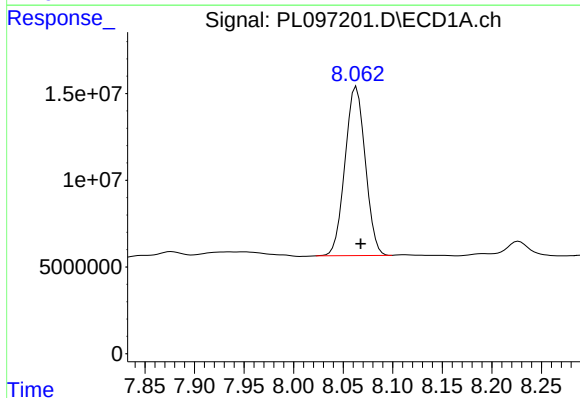
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/16/2025  
Supervised By :mohammad ahmed 09/17/2025



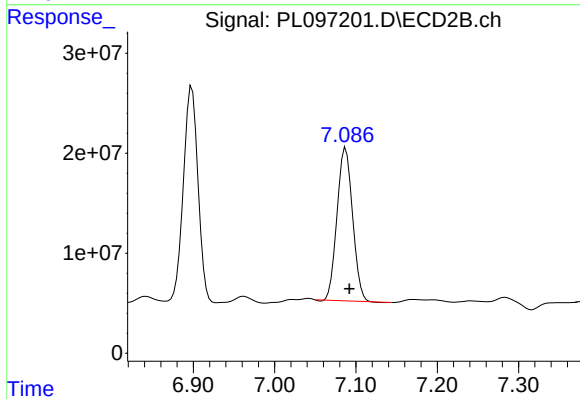
#21 Endrin ketone

R.T.: 6.898 min  
Delta R.T.: -0.004 min  
Response: 273330437  
Conc: 43.67 ng/ml



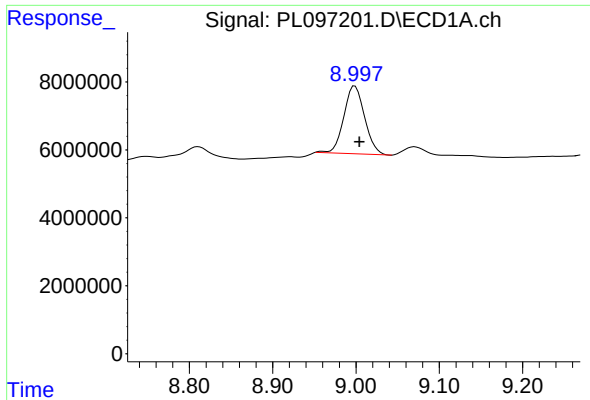
#22 Mirex

R.T.: 8.063 min  
Delta R.T.: -0.004 min  
Response: 138772053  
Conc: 46.38 ng/ml



#22 Mirex

R.T.: 7.087 min  
Delta R.T.: -0.004 min  
Response: 202306546  
Conc: 41.66 ng/ml



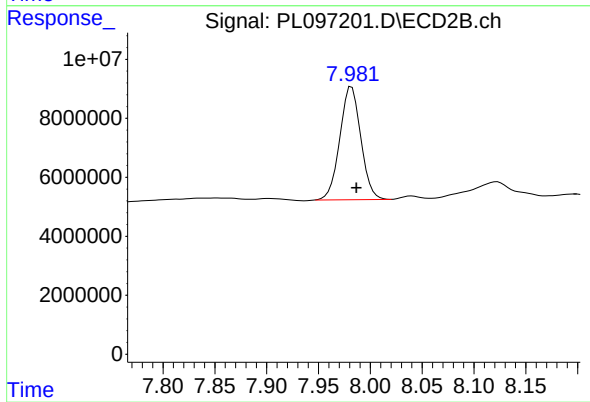
#28 Decachlorobiphenyl

R.T.: 8.999 min  
Delta R.T.: -0.005 min  
Response: 34706097  
Conc: 11.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
WC-31MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/16/2025  
Supervised By :mohammad ahmed 09/17/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min  
Delta R.T.: -0.005 min  
Response: 54035332  
Conc: 11.27 ng/ml