

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050422\  
 Data File : PL074510.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 May 2022 14:13  
 Operator : AR\AJ  
 Sample : PB144563BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB144563BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/05/2022  
 Supervised By : mohammad ahmed 05/05/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 04 23:24:34 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL040822.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 14 09:29:23 2022  
 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... | 4.644  | 5.484  | 6674539  | 34696428 | 20.657 | 19.460  |
| 28)                         | SA Decachlor... | 10.412 | 11.335 | 11238748 | 37733986 | 21.612 | 21.363  |
| Target Compounds            |                 |        |        |          |          |        |         |
| 2)                          | A alpha-BHC     | 5.351  | 6.048  | 21100525 | 126.1E6  | 50.280 | 50.081  |
| 3)                          | MA gamma-BHC... | 5.774  | 6.439  | 20976869 | 118.4E6  | 50.017 | 50.000  |
| 4)                          | MA Heptachlor   | 6.184  | 7.099  | 23121957 | 127.8E6  | 51.330 | 49.011  |
| 5)                          | MB Aldrin       | 6.509  | 7.467  | 22097070 | 124.9E6  | 53.240 | 53.169  |
| 6)                          | B beta-BHC      | 6.154  | 6.676  | 10051141 | 52229856 | 49.191 | 46.343  |
| 7)                          | B delta-BHC     | 6.416  | 6.944  | 21270562 | 118.0E6  | 51.419 | 48.316  |
| 8)                          | B Heptachlo...  | 7.086  | 7.924  | 22309962 | 113.7E6  | 52.012 | 50.482  |
| 9)                          | A Endosulfan I  | 7.488  | 8.325  | 21131807 | 103.0E6  | 51.526 | 52.296  |
| 10)                         | B gamma-Chl...  | 7.363  | 8.193  | 22814262 | 114.1E6  | 52.017 | 51.176  |
| 11)                         | B alpha-Chl...  | 7.433  | 8.275  | 23010753 | 112.3E6  | 52.087 | 52.166  |
| 12)                         | B 4,4'-DDE      | 7.646  | 8.460  | 19435340 | 108.0E6  | 53.274 | 54.213  |
| 13)                         | MA Dieldrin     | 7.775  | 8.610  | 22553335 | 109.3E6  | 52.502 | 54.492  |
| 14)                         | MA Endrin       | 8.066  | 8.845  | 21064498 | 90243711 | 51.853 | 53.283  |
| 15)                         | B Endosulfa...  | 8.376  | 9.069  | 21564639 | 91617718 | 52.321 | 52.738  |
| 16)                         | A 4,4'-DDD      | 8.232  | 8.989  | 16749418 | 81913350 | 51.868 | 53.239  |
| 17)                         | MA 4,4'-DDT     | 8.492  | 9.307  | 18354125 | 85962198 | 49.654 | 48.493  |
| 18)                         | B Endrin al...  | 8.565  | 9.201  | 18166897 | 74905423 | 56.148 | 57.993m |
| 19)                         | B Endosulfa...  | 8.796  | 9.440  | 21833369 | 85996477 | 51.129 | 51.671  |
| 20)                         | A Methoxychlor  | 9.088  | 9.788  | 11405486 | 44408893 | 45.940 | 46.170  |
| 21)                         | B Endrin ke...  | 9.315  | 9.929  | 25761060 | 91432487 | 52.729 | 52.822  |
| 22)                         | Mirex           | 9.501  | 10.406 | 23375270 | 70153596 | 50.118 | 50.932  |
| -----                       |                 |        |        |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050422\  
 Data File : PL074510.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 May 2022 14:13  
 Operator : AR\AJ  
 Sample : PB144563BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

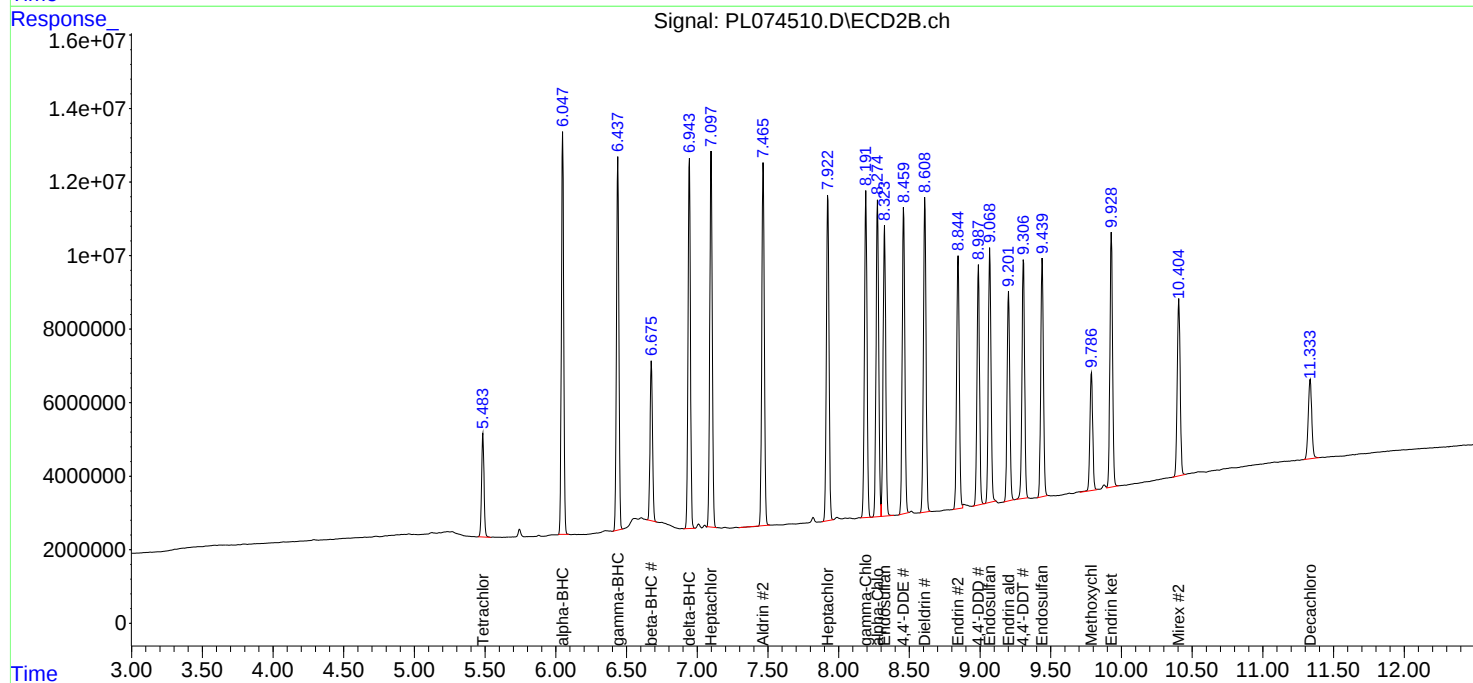
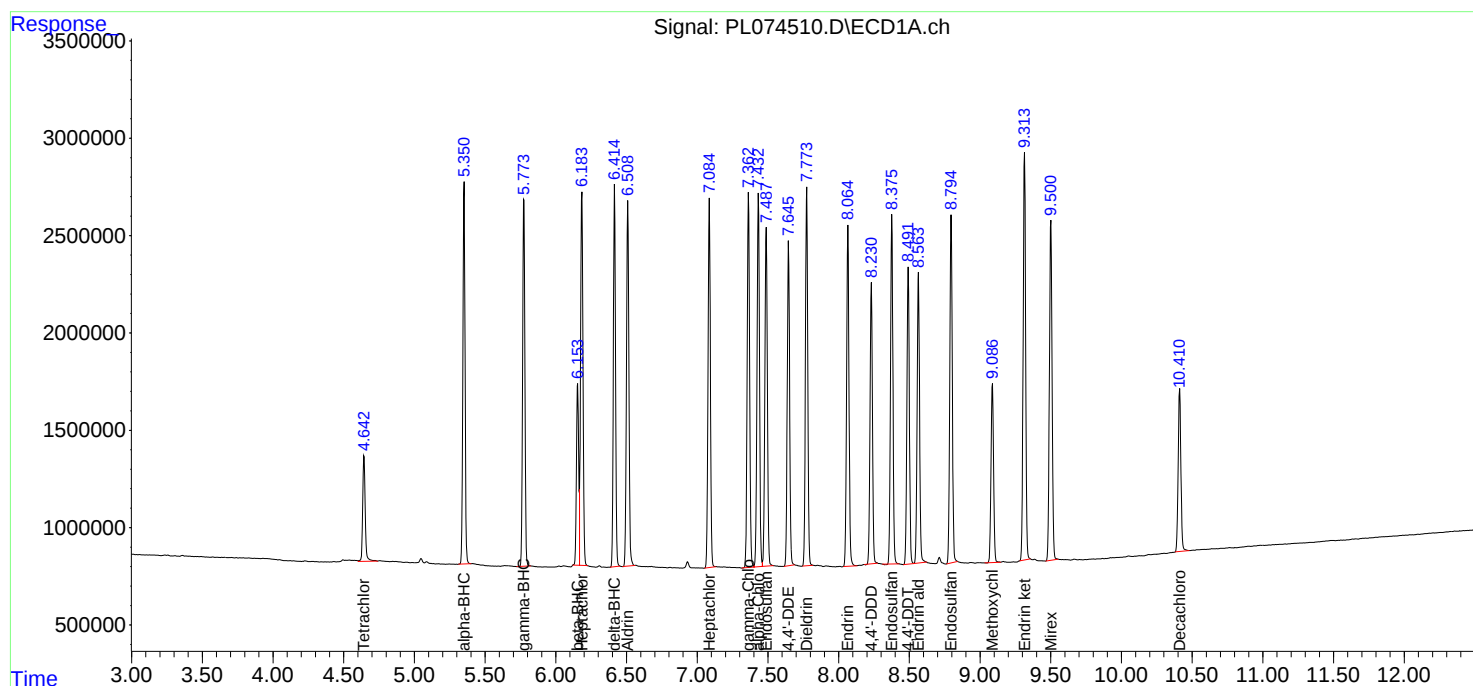
Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB144563BS

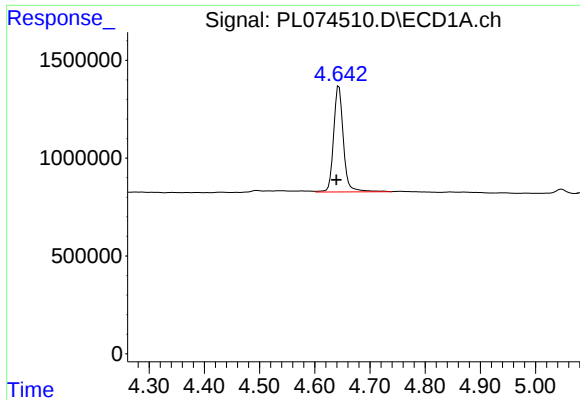
### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/05/2022  
 Supervised By :mohammad ahmed 05/05/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 04 23:24:34 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL040822.M  
 Quant Title : GC Extractables  
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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





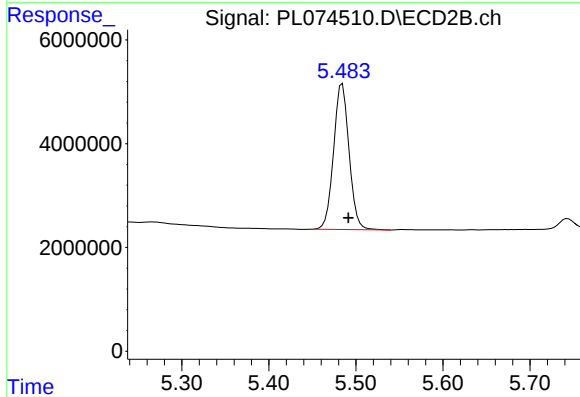
#1 Tetrachloro-m-xylene

R.T.: 4.644 min  
Delta R.T.: 0.005 min  
Response: 6674539  
Conc: 20.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

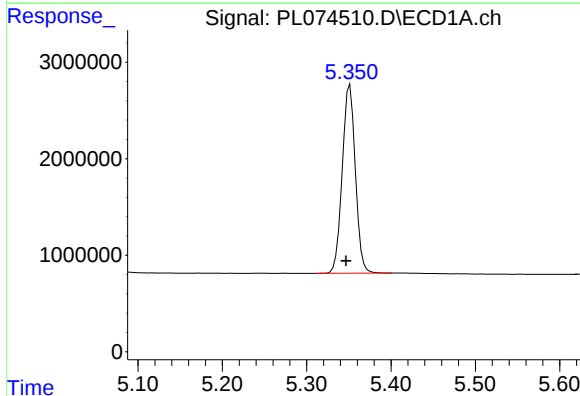
Manual Integrations  
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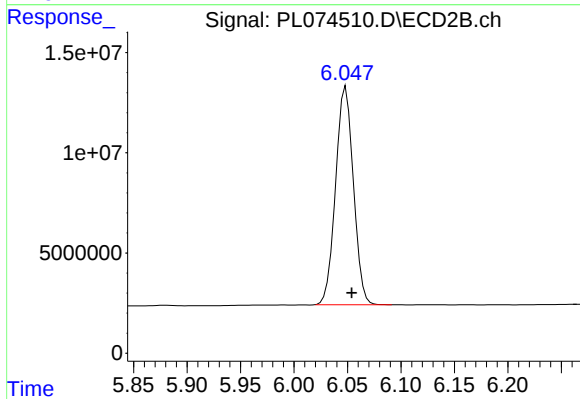
#1 Tetrachloro-m-xylene

R.T.: 5.484 min  
Delta R.T.: -0.007 min  
Response: 34696428  
Conc: 19.46 ng/ml



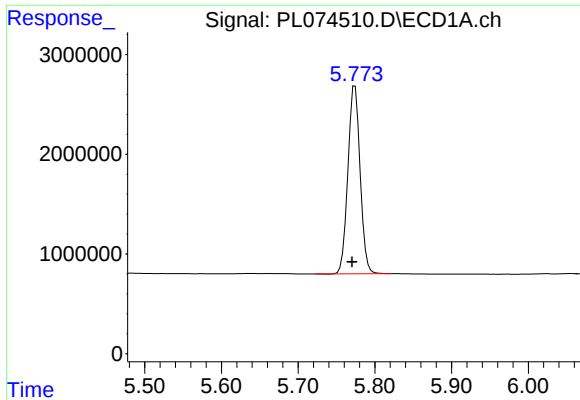
#2 alpha-BHC

R.T.: 5.351 min  
Delta R.T.: 0.005 min  
Response: 21100525  
Conc: 50.28 ng/ml



#2 alpha-BHC

R.T.: 6.048 min  
Delta R.T.: -0.005 min  
Response: 126108919  
Conc: 50.08 ng/ml



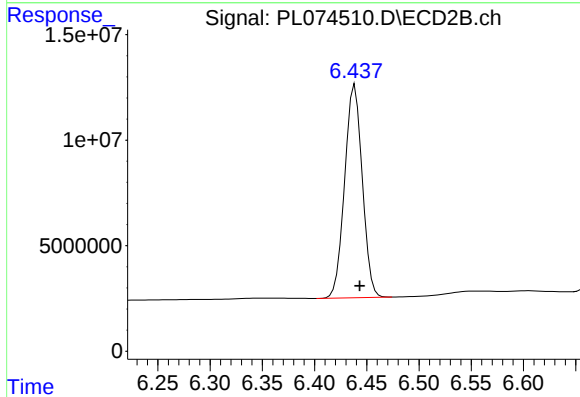
#3 gamma-BHC (Lindane)

R.T.: 5.774 min  
Delta R.T.: 0.004 min  
Response: 20976869  
Conc: 50.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

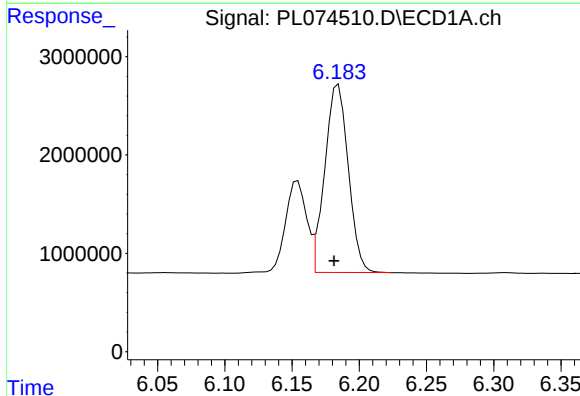
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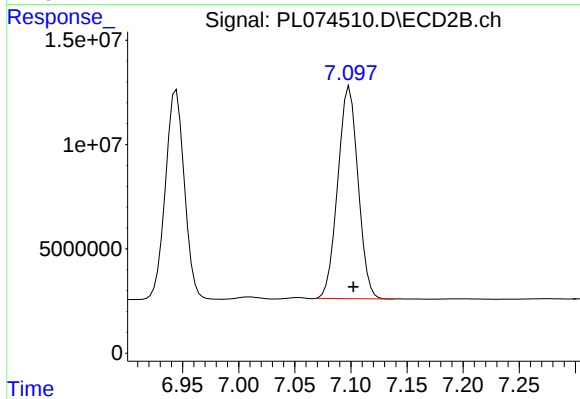
#3 gamma-BHC (Lindane)

R.T.: 6.439 min  
Delta R.T.: -0.005 min  
Response: 118355153  
Conc: 50.00 ng/ml



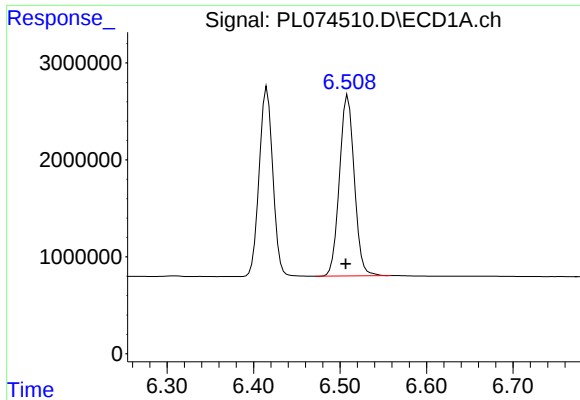
#4 Heptachlor

R.T.: 6.184 min  
Delta R.T.: 0.003 min  
Response: 23121957  
Conc: 51.33 ng/ml



#4 Heptachlor

R.T.: 7.099 min  
Delta R.T.: -0.003 min  
Response: 127840729  
Conc: 49.01 ng/ml



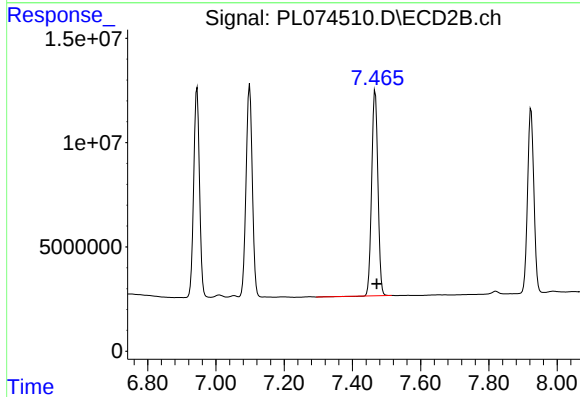
#5 Aldrin

R.T.: 6.509 min  
Delta R.T.: 0.002 min  
Response: 22097070  
Conc: 53.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

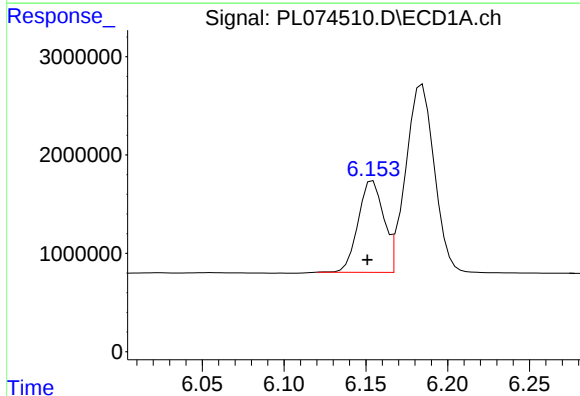
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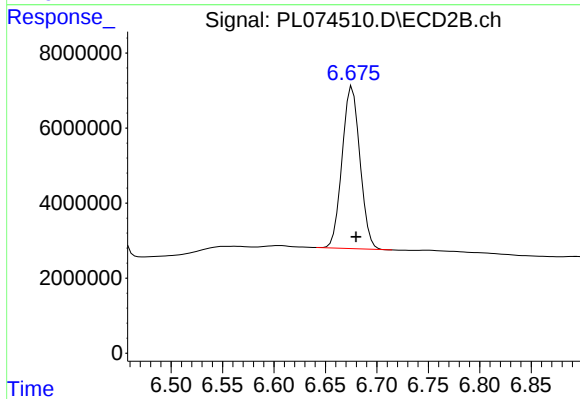
#5 Aldrin

R.T.: 7.467 min  
Delta R.T.: -0.004 min  
Response: 124872321  
Conc: 53.17 ng/ml



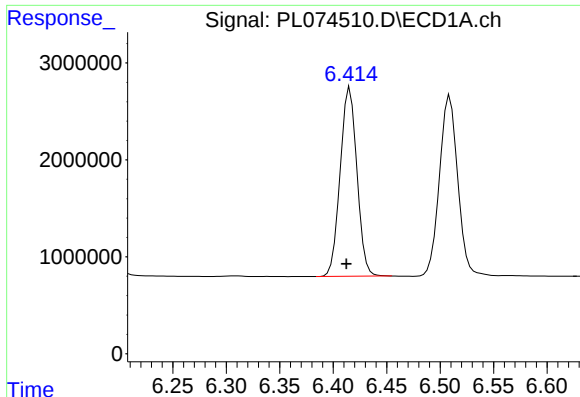
#6 beta-BHC

R.T.: 6.154 min  
Delta R.T.: 0.004 min  
Response: 10051141  
Conc: 49.19 ng/ml



#6 beta-BHC

R.T.: 6.676 min  
Delta R.T.: -0.004 min  
Response: 52229856  
Conc: 46.34 ng/ml



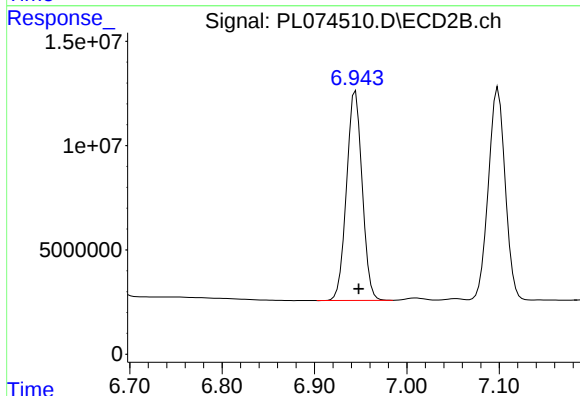
#7 delta-BHC

R.T.: 6.416 min  
Delta R.T.: 0.003 min  
Response: 21270562  
Conc: 51.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

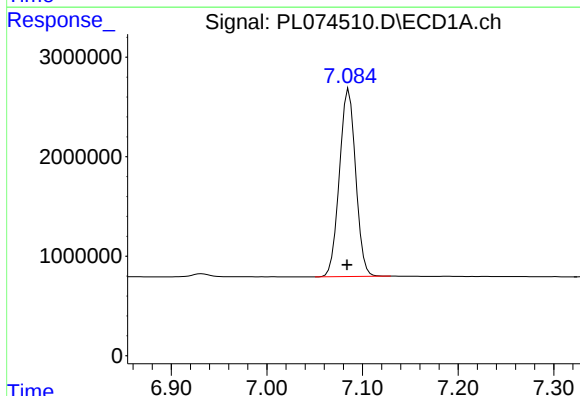
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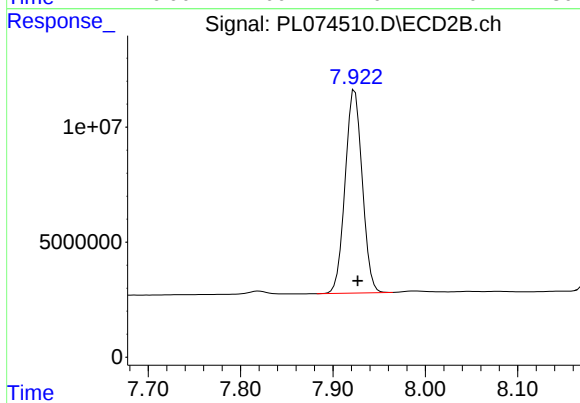
#7 delta-BHC

R.T.: 6.944 min  
Delta R.T.: -0.003 min  
Response: 118001604  
Conc: 48.32 ng/ml



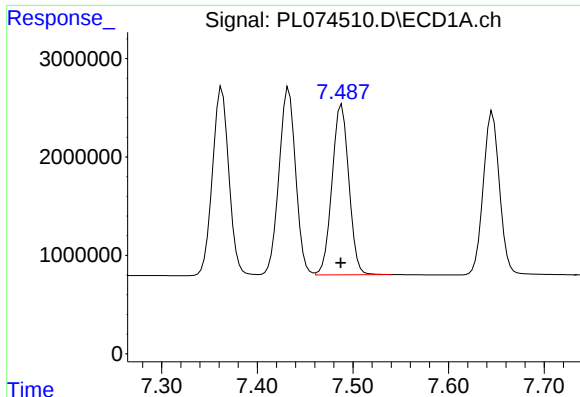
#8 Heptachlor epoxide

R.T.: 7.086 min  
Delta R.T.: 0.002 min  
Response: 22309962  
Conc: 52.01 ng/ml



#8 Heptachlor epoxide

R.T.: 7.924 min  
Delta R.T.: -0.003 min  
Response: 113662469  
Conc: 50.48 ng/ml



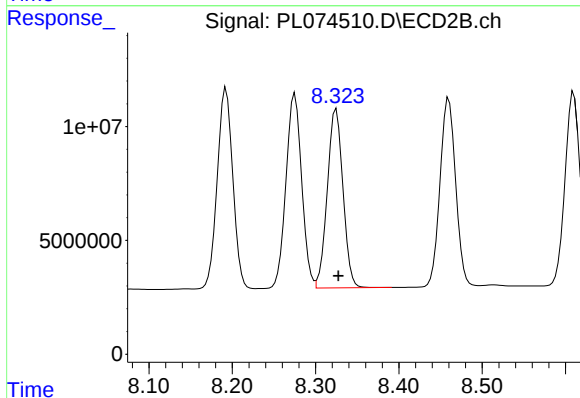
#9 Endosulfan I

R.T.: 7.488 min  
Delta R.T.: 0.001 min  
Response: 21131807  
Conc: 51.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

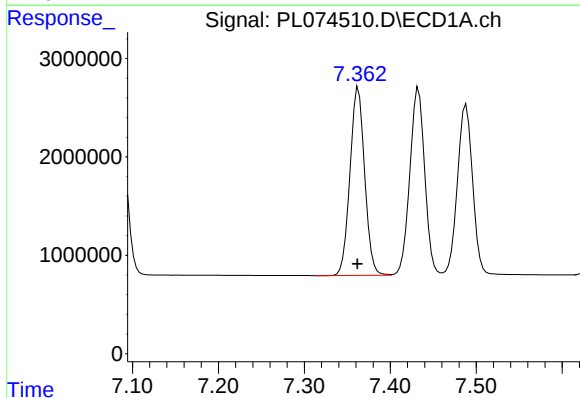
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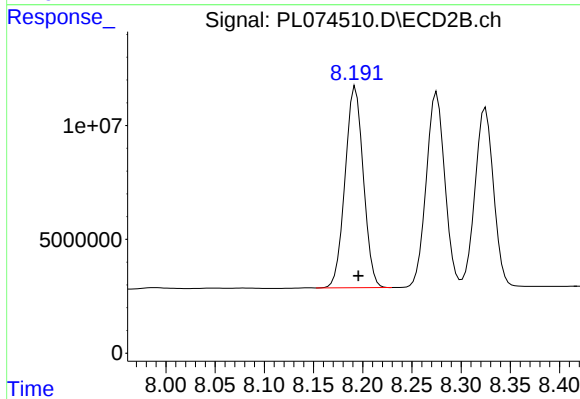
#9 Endosulfan I

R.T.: 8.325 min  
Delta R.T.: -0.003 min  
Response: 102953926  
Conc: 52.30 ng/ml



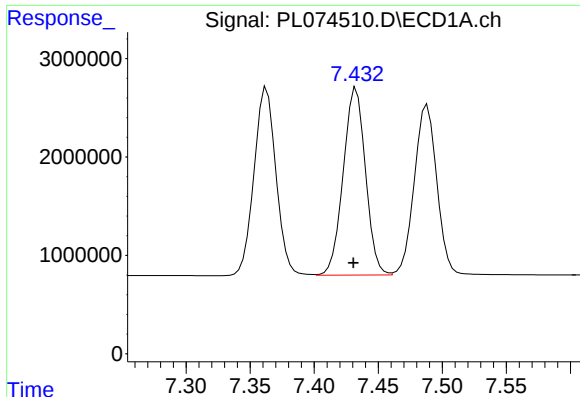
#10 gamma-Chlordane

R.T.: 7.363 min  
Delta R.T.: 0.000 min  
Response: 22814262  
Conc: 52.02 ng/ml



#10 gamma-Chlordane

R.T.: 8.193 min  
Delta R.T.: -0.003 min  
Response: 114141619  
Conc: 51.18 ng/ml



#11 alpha-Chlordane

R.T.: 7.433 min  
Delta R.T.: 0.002 min  
Response: 23010753  
Conc: 52.09 ng/ml

Instrument :

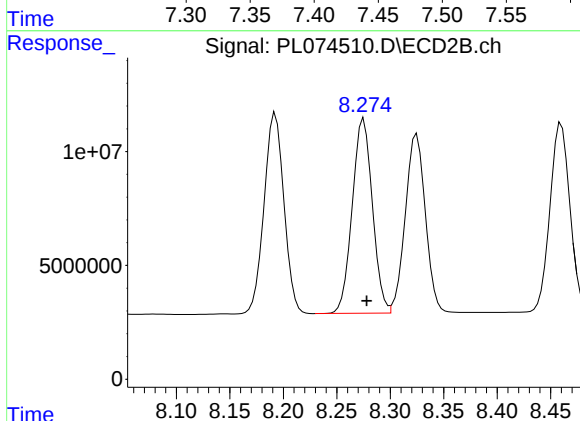
ECD\_L

ClientSampleId :

PB144563BS

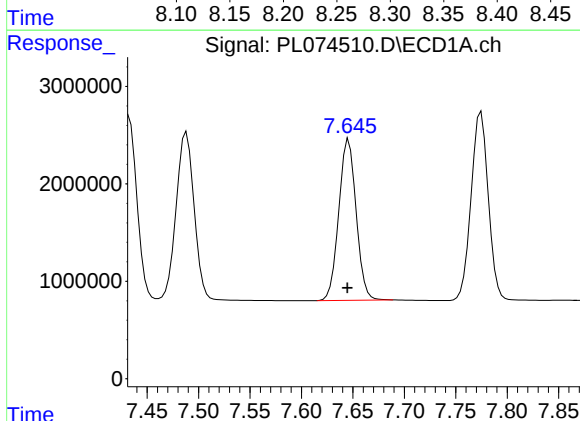
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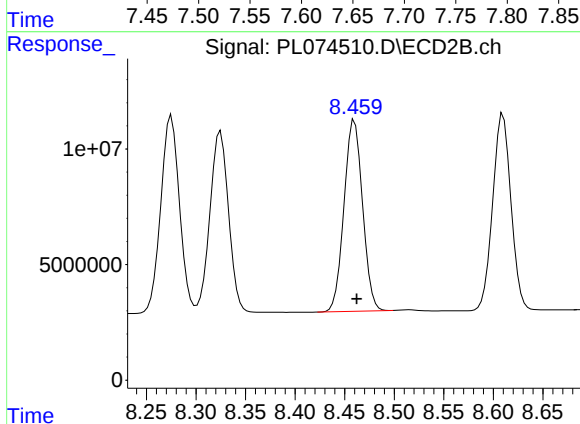
#11 alpha-Chlordane

R.T.: 8.275 min  
Delta R.T.: -0.003 min  
Response: 112292601  
Conc: 52.17 ng/ml



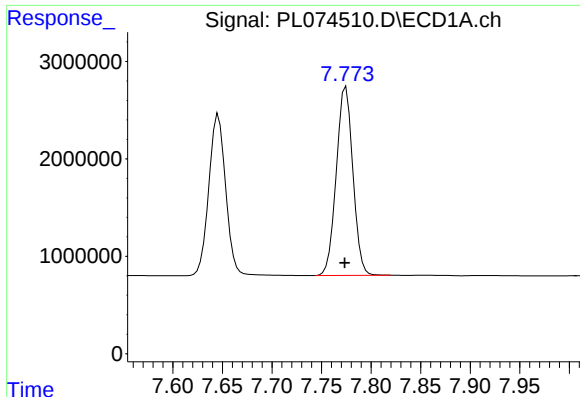
#12 4,4'-DDE

R.T.: 7.646 min  
Delta R.T.: 0.001 min  
Response: 19435340  
Conc: 53.27 ng/ml



#12 4,4'-DDE

R.T.: 8.460 min  
Delta R.T.: -0.002 min  
Response: 107975881  
Conc: 54.21 ng/ml



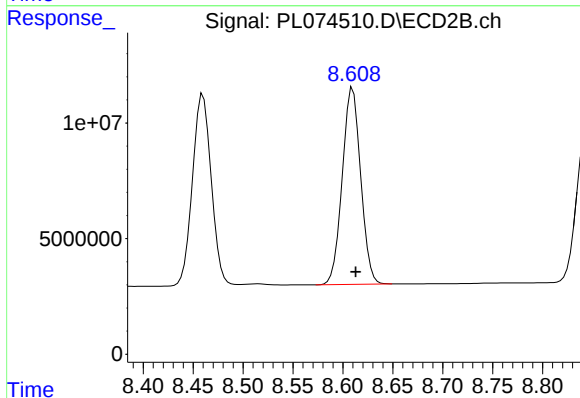
#13 Dieldrin

R.T.: 7.775 min  
Delta R.T.: 0.001 min  
Response: 22553335  
Conc: 52.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

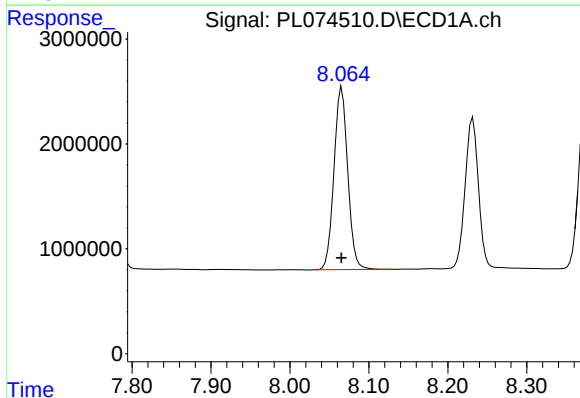
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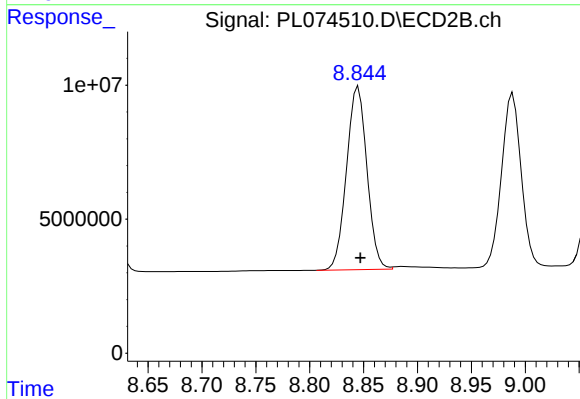
#13 Dieldrin

R.T.: 8.610 min  
Delta R.T.: -0.003 min  
Response: 109270840  
Conc: 54.49 ng/ml



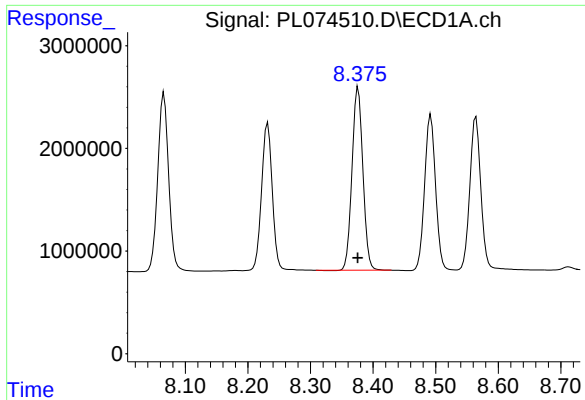
#14 Endrin

R.T.: 8.066 min  
Delta R.T.: 0.000 min  
Response: 21064498  
Conc: 51.85 ng/ml



#14 Endrin

R.T.: 8.845 min  
Delta R.T.: -0.002 min  
Response: 90243711  
Conc: 53.28 ng/ml



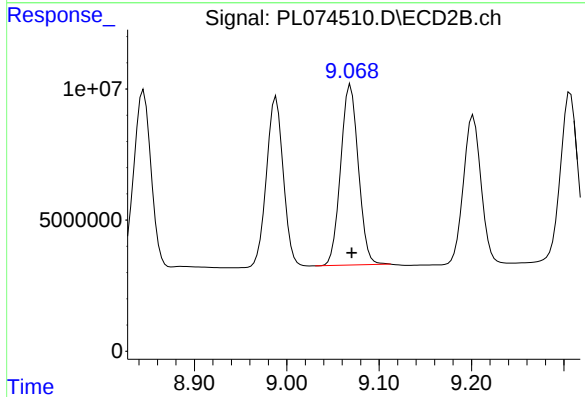
#15 Endosulfan II

R.T.: 8.376 min  
Delta R.T.: 0.000 min  
Response: 21564639  
Conc: 52.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

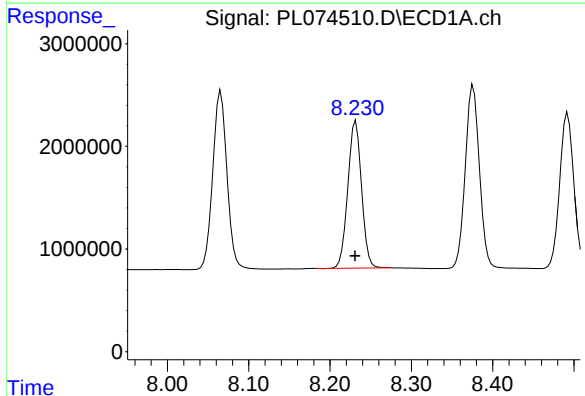
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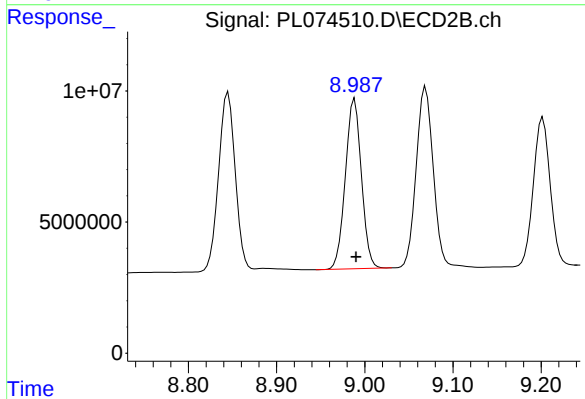
#15 Endosulfan II

R.T.: 9.069 min  
Delta R.T.: -0.001 min  
Response: 91617718  
Conc: 52.74 ng/ml



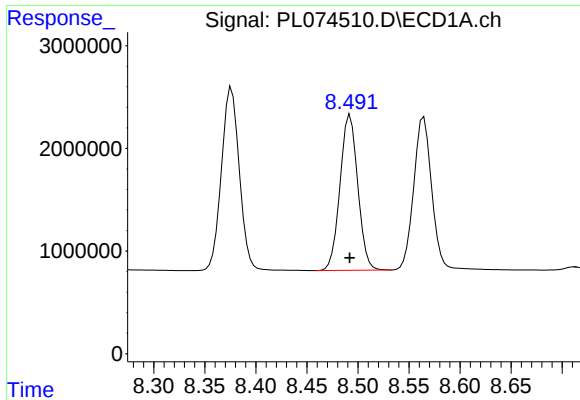
#16 4,4'-DDD

R.T.: 8.232 min  
Delta R.T.: 0.001 min  
Response: 16749418  
Conc: 51.87 ng/ml



#16 4,4'-DDD

R.T.: 8.989 min  
Delta R.T.: -0.002 min  
Response: 81913350  
Conc: 53.24 ng/ml



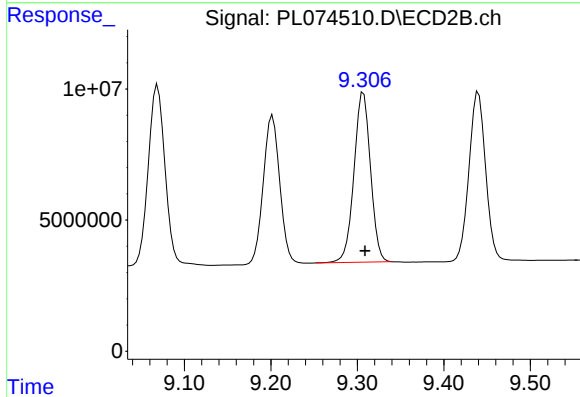
#17 4,4'-DDT

R.T.: 8.492 min  
Delta R.T.: 0.000 min  
Response: 18354125  
Conc: 49.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

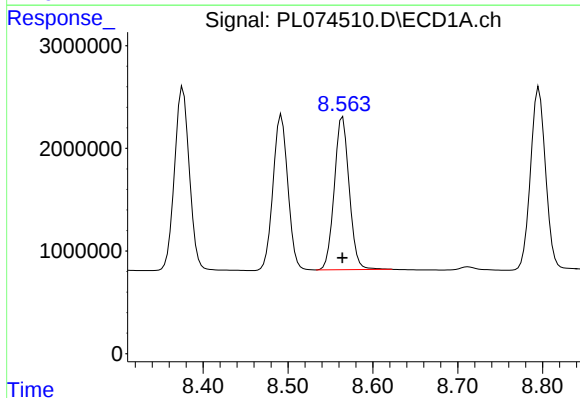
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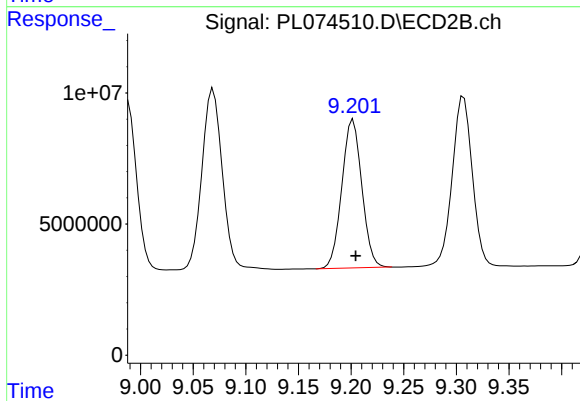
#17 4,4'-DDT

R.T.: 9.307 min  
Delta R.T.: -0.002 min  
Response: 85962198  
Conc: 48.49 ng/ml



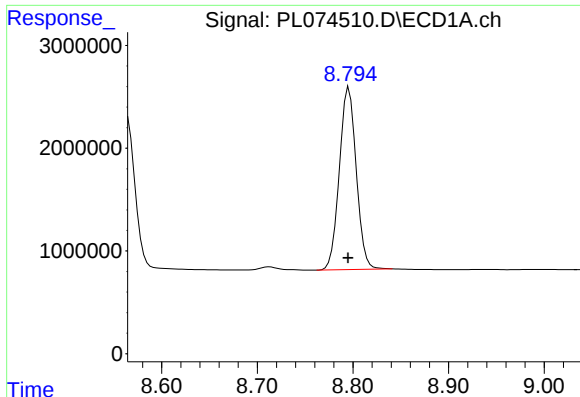
#18 Endrin aldehyde

R.T.: 8.565 min  
Delta R.T.: 0.000 min  
Response: 18166897  
Conc: 56.15 ng/ml



#18 Endrin aldehyde

R.T.: 9.201 min  
Delta R.T.: -0.004 min  
Response: 74905423  
Conc: 57.99 ng/ml m



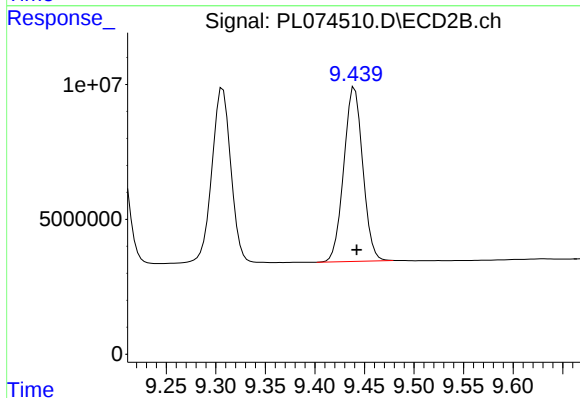
#19 Endosulfan Sulfate

R.T.: 8.796 min  
Delta R.T.: 0.000 min  
Response: 21833369  
Conc: 51.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

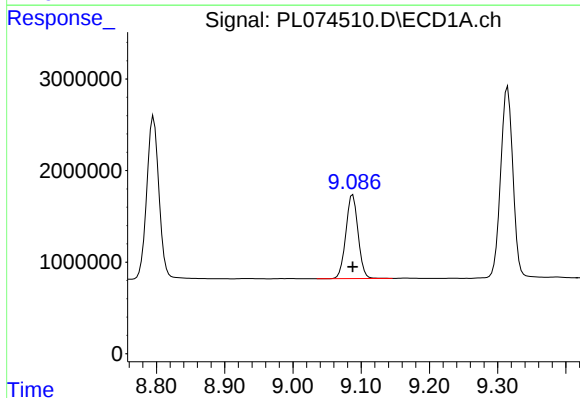
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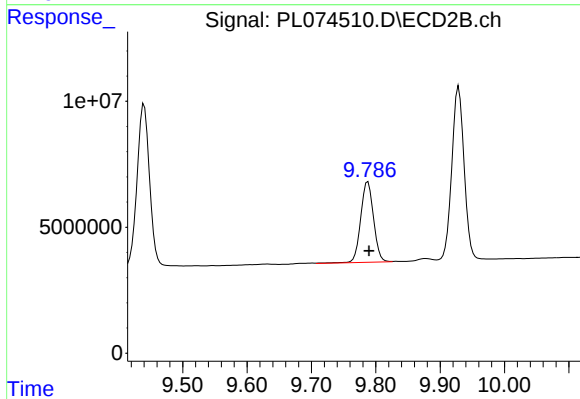
#19 Endosulfan Sulfate

R.T.: 9.440 min  
Delta R.T.: -0.002 min  
Response: 85996477  
Conc: 51.67 ng/ml



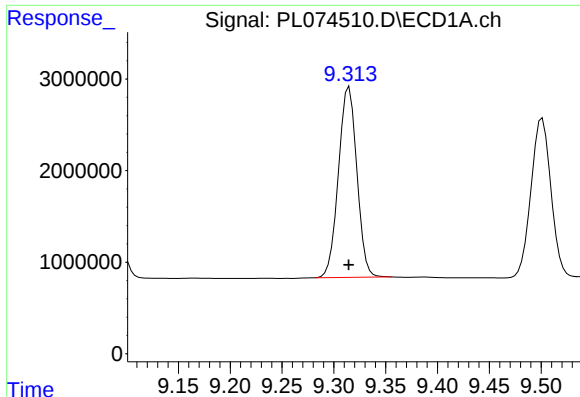
#20 Methoxychlor

R.T.: 9.088 min  
Delta R.T.: 0.000 min  
Response: 11405486  
Conc: 45.94 ng/ml



#20 Methoxychlor

R.T.: 9.788 min  
Delta R.T.: -0.002 min  
Response: 44408893  
Conc: 46.17 ng/ml



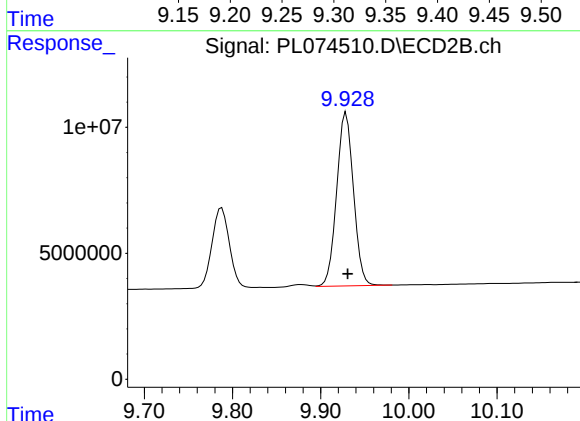
#21 Endrin ketone

R.T.: 9.315 min  
Delta R.T.: 0.000 min  
Response: 25761060  
Conc: 52.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

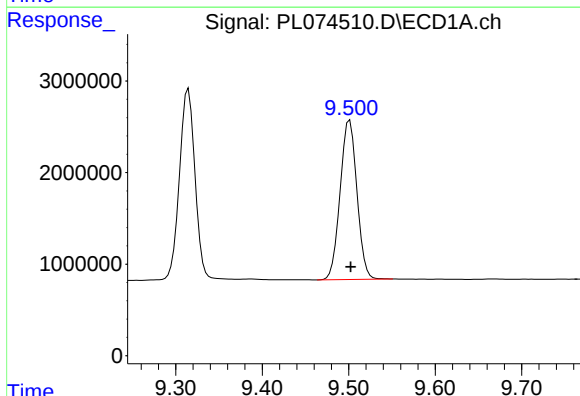
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/05/2022  
Supervised By :mohammad ahmed 05/05/2022



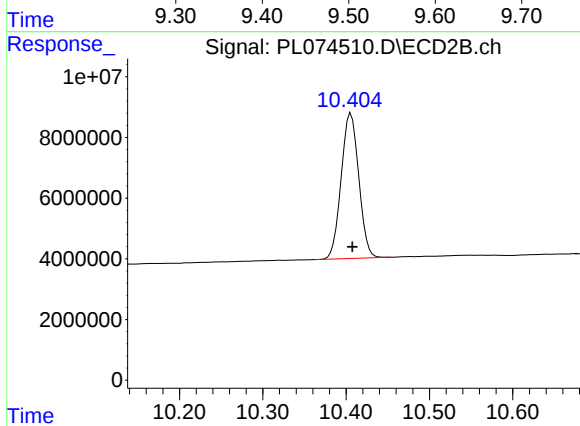
#21 Endrin ketone

R.T.: 9.929 min  
Delta R.T.: -0.002 min  
Response: 91432487  
Conc: 52.82 ng/ml



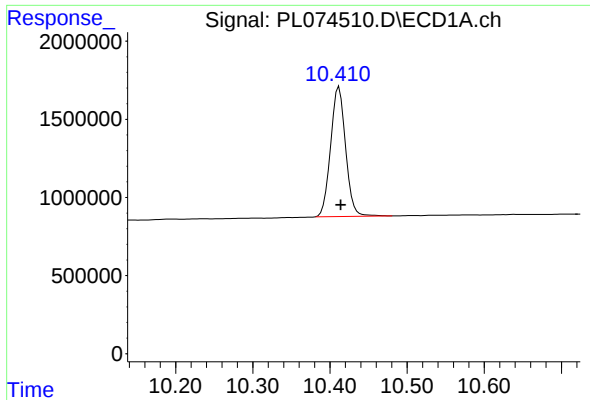
#22 Mirex

R.T.: 9.501 min  
Delta R.T.: -0.001 min  
Response: 23375270  
Conc: 50.12 ng/ml



#22 Mirex

R.T.: 10.406 min  
Delta R.T.: -0.002 min  
Response: 70153596  
Conc: 50.93 ng/ml



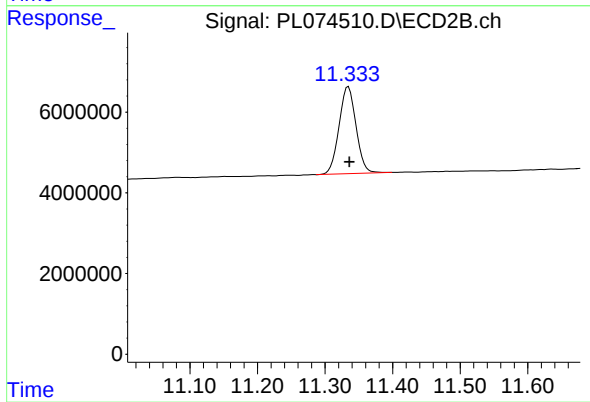
#28 Decachlorobiphenyl

R.T.: 10.412 min  
Delta R.T.: -0.002 min  
Response: 11238748  
Conc: 21.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB144563BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/05/2022  
Supervised By :mohammad ahmed 05/05/2022



#28 Decachlorobiphenyl

R.T.: 11.335 min  
Delta R.T.: -0.001 min  
Response: 37733986  
Conc: 21.36 ng/ml