

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042222\  
 Data File : PL074295.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Apr 2022 12:20  
 Operator : AR\AJ  
 Sample : PB143979BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB143979BS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/25/2022  
 Supervised By :mohammad ahmed 04/25/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 22 23:05:02 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  | 5.483  | 6984032  | 39620896 | 21.615  | 22.222   |
| 28)                         | SA Decachlor... | 10.408 | 11.330 | 10824061 | 38635167 | 20.814  | 21.873   |
| Target Compounds            |                 |        |        |          |          |         |          |
| 2)                          | A alpha-BHC     | 5.351  | 6.049  | 3773301  | 28992956 | 8.991   | 11.514 # |
| 3)                          | MA gamma-BHC... | 5.774  | 6.438  | 3865350  | 21280058 | 9.216   | 8.990    |
| 4)                          | MA Heptachlor   | 6.184  | 7.097  | 4285035  | 23854215 | 9.513   | 9.145    |
| 5)                          | MB Aldrin       | 6.509  | 7.466  | 4093255  | 22794840 | 9.862   | 9.706    |
| 6)                          | B beta-BHC      | 6.153  | 6.674  | 1956701  | 10455927 | 9.576m  | 9.278m   |
| 7)                          | B delta-BHC     | 6.415  | 6.943  | 2399951  | 15600521 | 5.802   | 6.388    |
| 8)                          | B Heptachlo...  | 7.084  | 7.923  | 4297599  | 25955600 | 10.019  | 11.528   |
| 9)                          | A Endosulfan I  | 7.487  | 8.323  | 4433016  | 20624260 | 10.809  | 10.476   |
| 10)                         | B gamma-Chl...  | 7.362  | 8.191  | 4725594  | 22481370 | 10.775  | 10.080   |
| 11)                         | B alpha-Chl...  | 7.431  | 8.274  | 4732800  | 22587446 | 10.713  | 10.493   |
| 12)                         | B 4,4'-DDE      | 7.645  | 8.459  | 3633518  | 22952128 | 9.960   | 11.524   |
| 13)                         | MA Dieldrin     | 7.773  | 8.608  | 5201568  | 20893819 | 12.109  | 10.419   |
| 14)                         | MA Endrin       | 8.063  | 8.842  | 4160326  | 17762384 | 10.241m | 10.488m  |
| 15)                         | B Endosulfa...  | 8.374  | 9.066  | 4330711  | 17584478 | 10.507  | 10.122m  |
| 16)                         | A 4,4'-DDD      | 8.229  | 8.985  | 3064678  | 15916271 | 9.490   | 10.345m  |
| 17)                         | MA 4,4'-DDT     | 8.490  | 9.304  | 3512608  | 16907949 | 9.503   | 9.538m   |
| 18)                         | B Endrin al...  | 8.562  | 9.198  | 3212955  | 13600599 | 9.930   | 10.530m  |
| 19)                         | B Endosulfa...  | 8.792  | 9.437  | 4777728  | 15712843 | 11.188m | 9.441    |
| 20)                         | A Methoxychlor  | 9.084  | 9.785  | 2881709  | 10128929 | 11.607  | 10.531   |
| 21)                         | B Endrin ke...  | 9.311  | 9.926  | 4898024  | 19458756 | 10.026  | 11.242   |
| 22)                         | Mirex           | 9.498  | 10.403 | 16129094 | 48272947 | 34.582  | 35.046   |
| -----                       |                 |        |        |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042222\  
Data File : PL074295.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Apr 2022 12:20  
Operator : AR\AJ  
Sample : PB143979BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

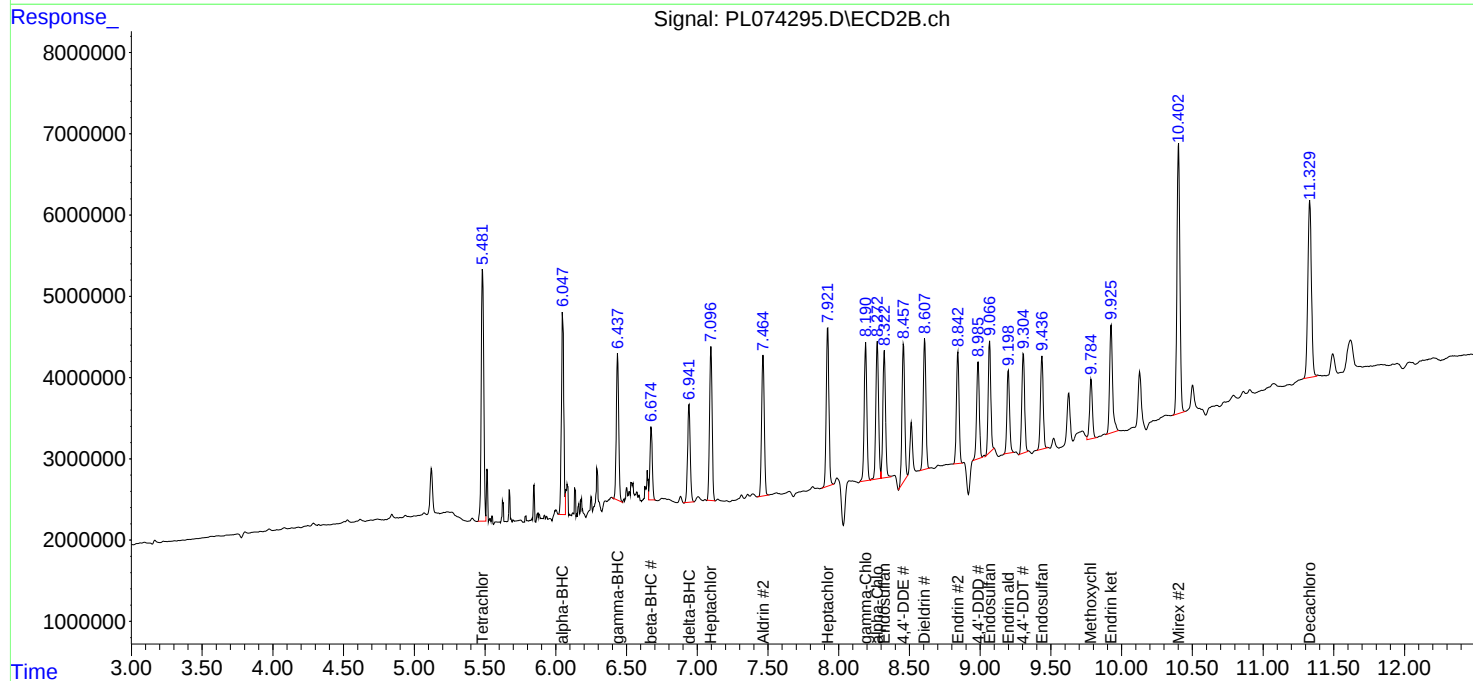
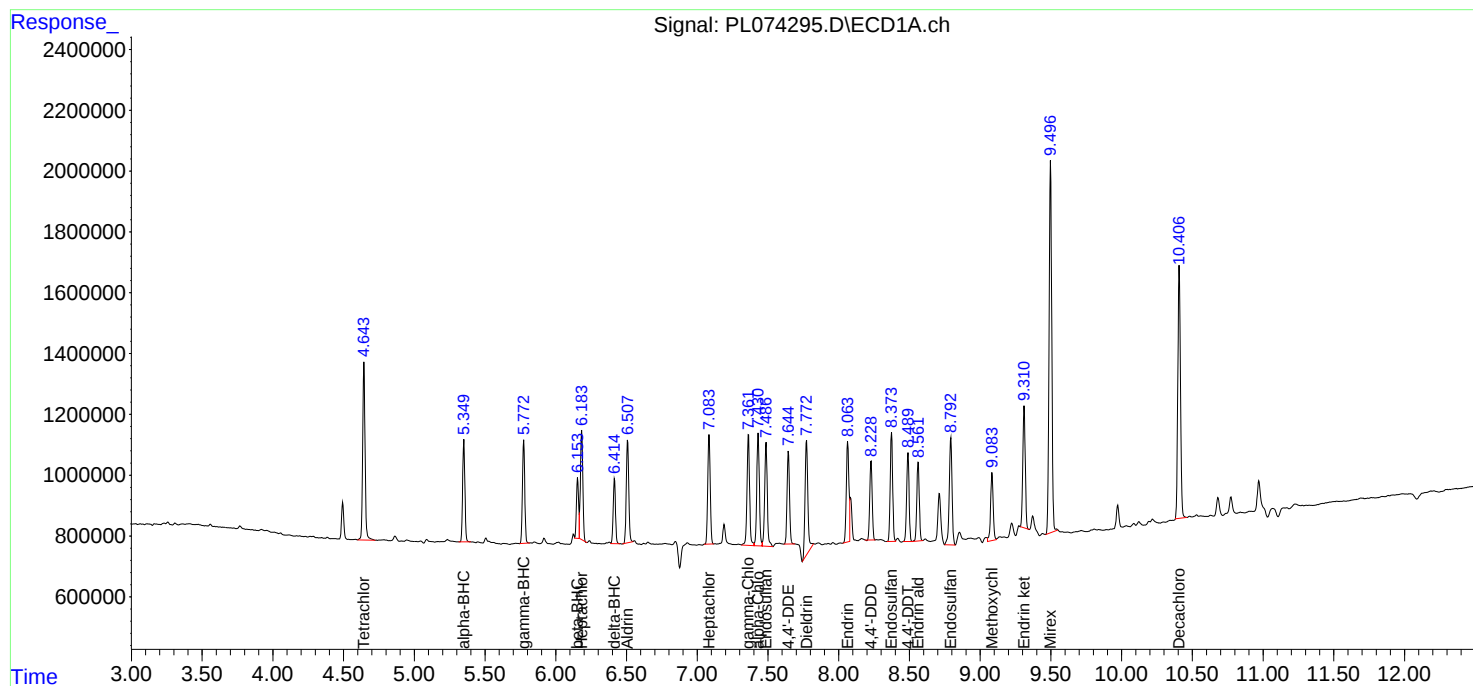
Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

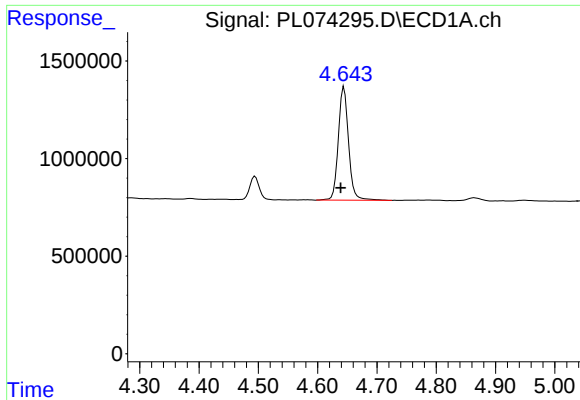
Manual Integrations  
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Supervised By :mohammad ahmed 04/25/2022

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 22 23:05:02 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





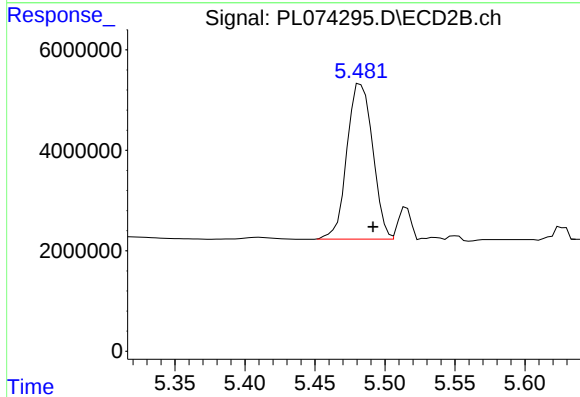
#1 Tetrachloro-m-xylene

R.T.: 4.644 min  
Delta R.T.: 0.005 min  
Response: 6984032  
Conc: 21.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

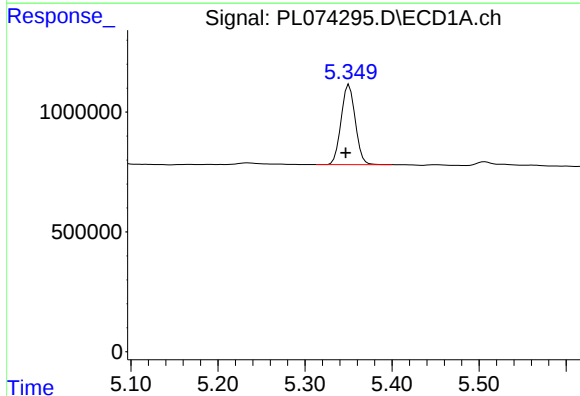
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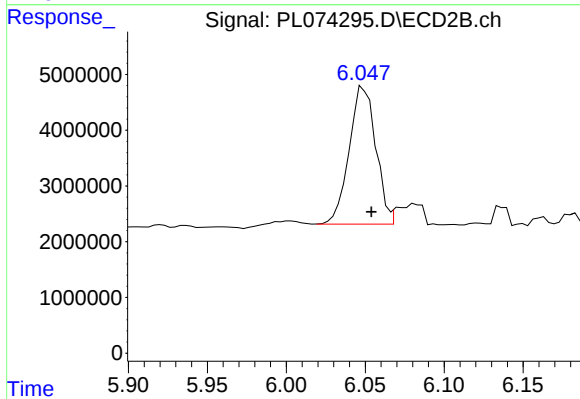
#1 Tetrachloro-m-xylene

R.T.: 5.483 min  
Delta R.T.: -0.008 min  
Response: 39620896  
Conc: 22.22 ng/ml



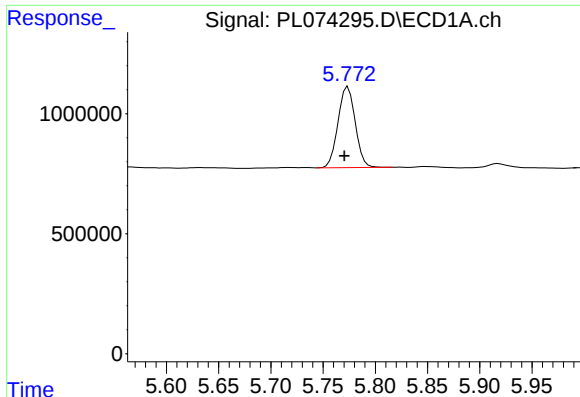
#2 alpha-BHC

R.T.: 5.351 min  
Delta R.T.: 0.004 min  
Response: 3773301  
Conc: 8.99 ng/ml



#2 alpha-BHC

R.T.: 6.049 min  
Delta R.T.: -0.005 min  
Response: 28992956  
Conc: 11.51 ng/ml



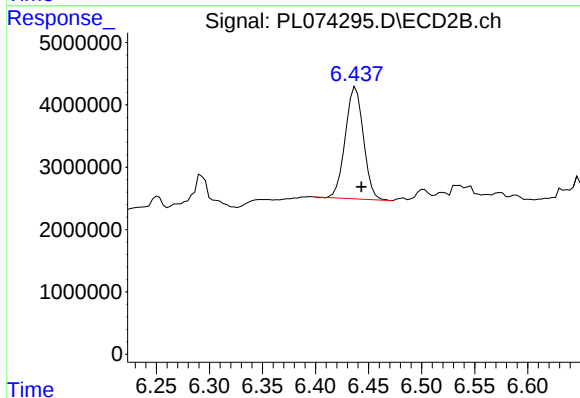
#3 gamma-BHC (Lindane)

R.T.: 5.774 min  
Delta R.T.: 0.004 min  
Response: 3865350  
Conc: 9.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

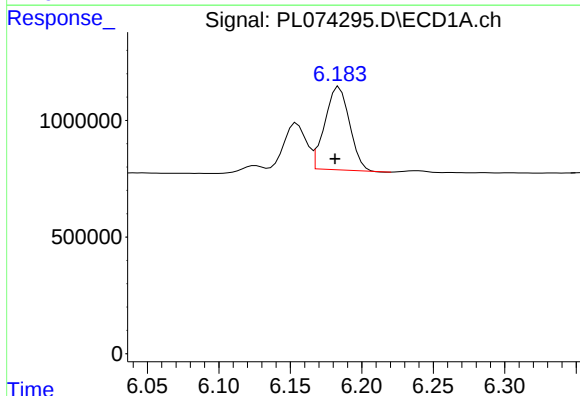
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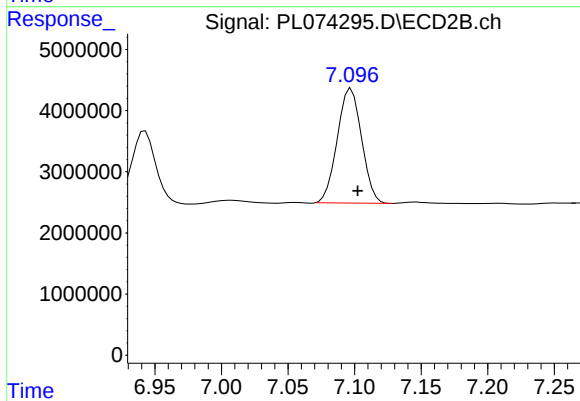
#3 gamma-BHC (Lindane)

R.T.: 6.438 min  
Delta R.T.: -0.005 min  
Response: 21280058  
Conc: 8.99 ng/ml



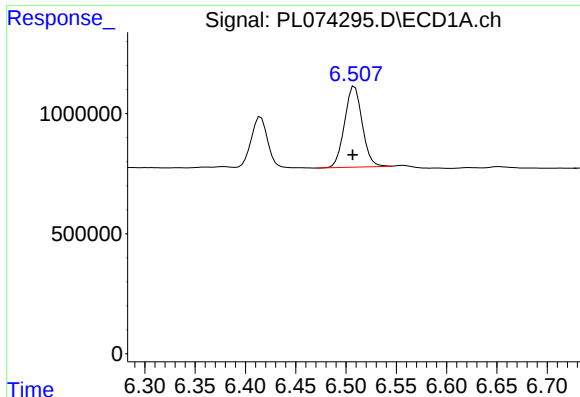
#4 Heptachlor

R.T.: 6.184 min  
Delta R.T.: 0.003 min  
Response: 4285035  
Conc: 9.51 ng/ml



#4 Heptachlor

R.T.: 7.097 min  
Delta R.T.: -0.005 min  
Response: 23854215  
Conc: 9.15 ng/ml



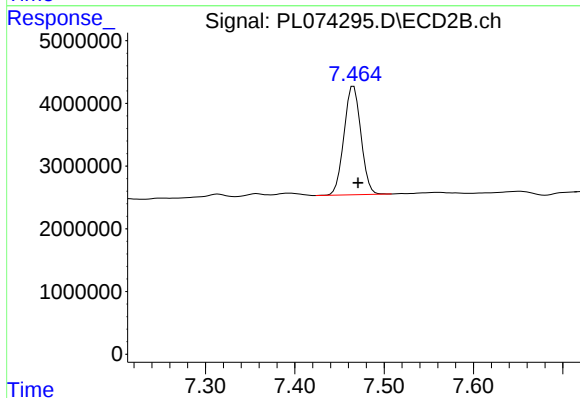
#5 Aldrin

R.T.: 6.509 min  
Delta R.T.: 0.002 min  
Response: 4093255  
Conc: 9.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

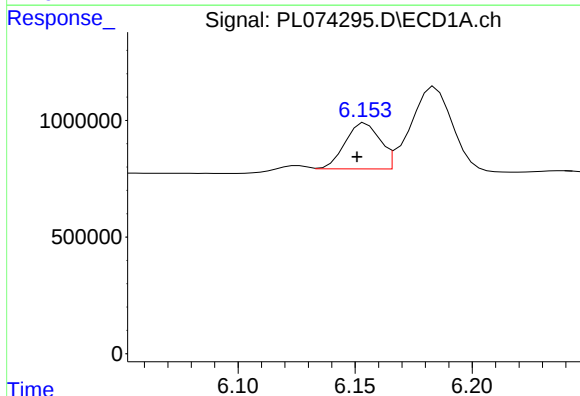
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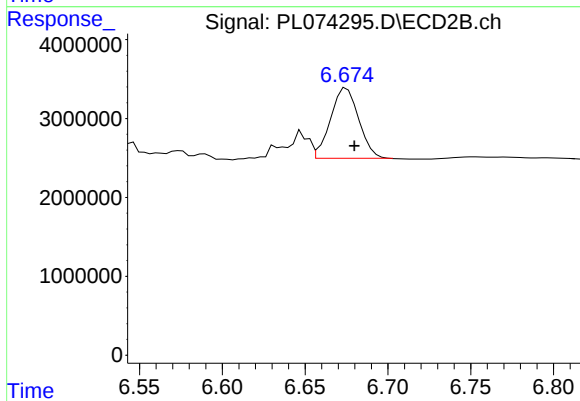
#5 Aldrin

R.T.: 7.466 min  
Delta R.T.: -0.005 min  
Response: 22794840  
Conc: 9.71 ng/ml



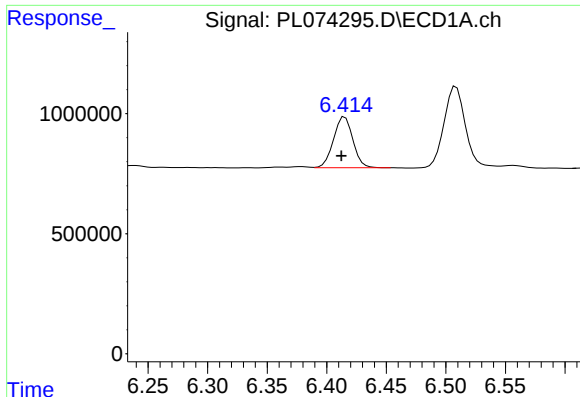
#6 beta-BHC

R.T.: 6.153 min  
Delta R.T.: 0.002 min  
Response: 1956701  
Conc: 9.58 ng/ml m



#6 beta-BHC

R.T.: 6.674 min  
Delta R.T.: -0.006 min  
Response: 10455927  
Conc: 9.28 ng/ml m



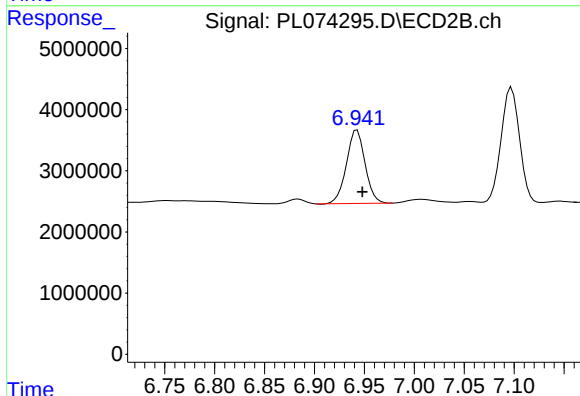
#7 delta-BHC

R.T.: 6.415 min  
Delta R.T.: 0.003 min  
Response: 2399951  
Conc: 5.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

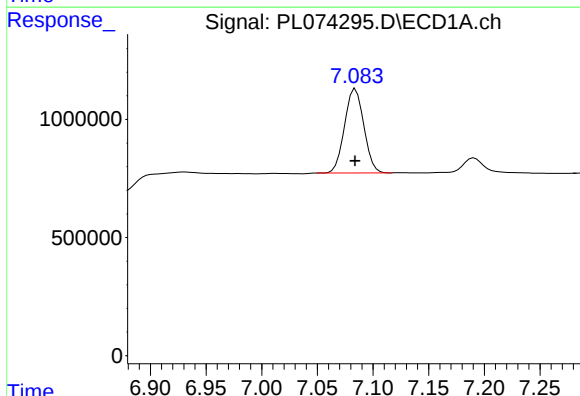
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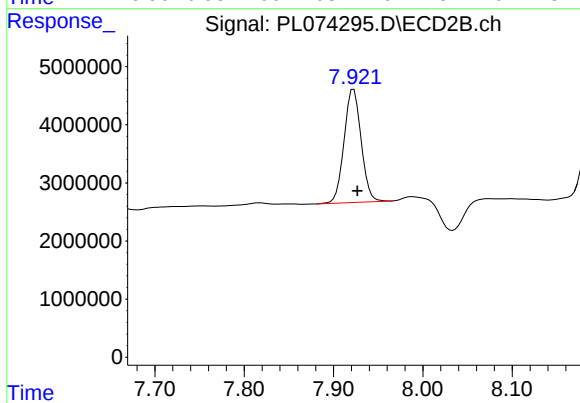
#7 delta-BHC

R.T.: 6.943 min  
Delta R.T.: -0.005 min  
Response: 15600521  
Conc: 6.39 ng/ml



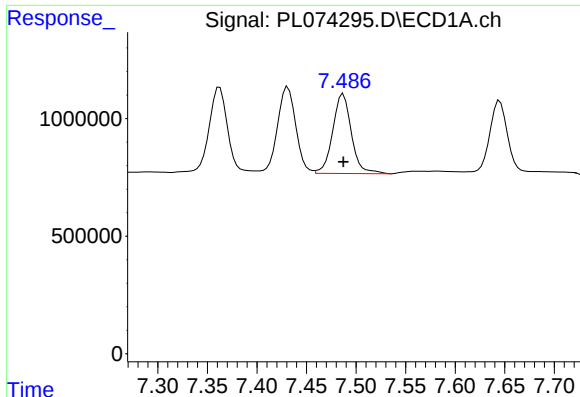
#8 Heptachlor epoxide

R.T.: 7.084 min  
Delta R.T.: 0.000 min  
Response: 4297599  
Conc: 10.02 ng/ml



#8 Heptachlor epoxide

R.T.: 7.923 min  
Delta R.T.: -0.004 min  
Response: 25955600  
Conc: 11.53 ng/ml



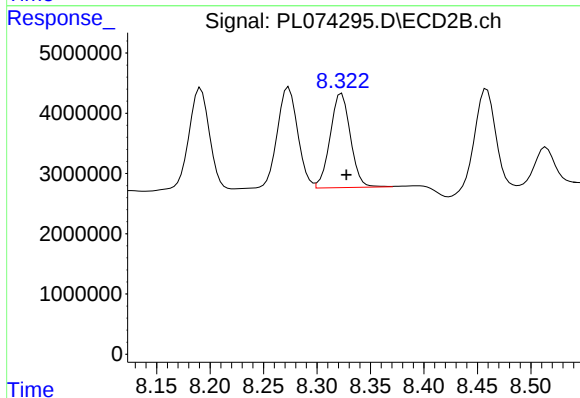
#9 Endosulfan I

R.T.: 7.487 min  
Delta R.T.: 0.000 min  
Response: 4433016  
Conc: 10.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

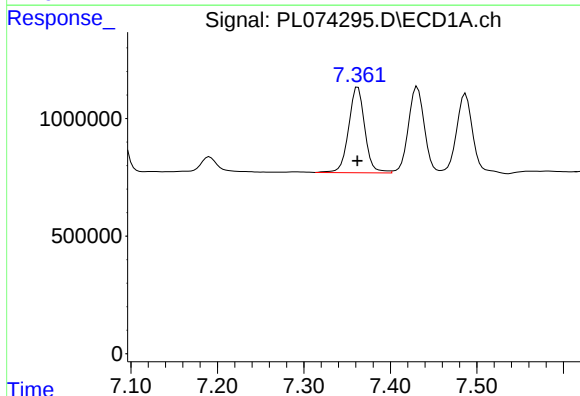
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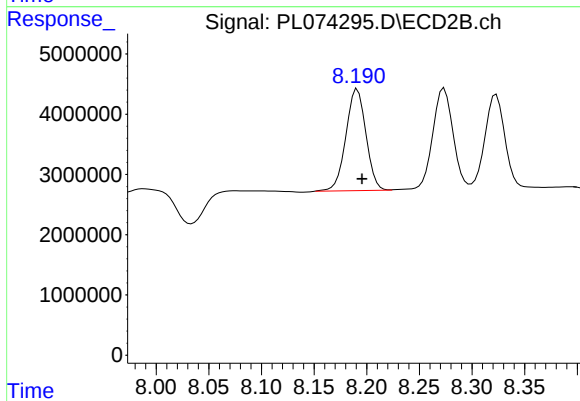
#9 Endosulfan I

R.T.: 8.323 min  
Delta R.T.: -0.005 min  
Response: 20624260  
Conc: 10.48 ng/ml



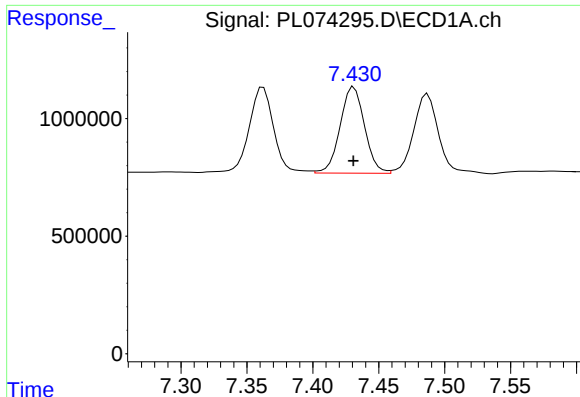
#10 gamma-Chlordane

R.T.: 7.362 min  
Delta R.T.: 0.000 min  
Response: 4725594  
Conc: 10.77 ng/ml



#10 gamma-Chlordane

R.T.: 8.191 min  
Delta R.T.: -0.004 min  
Response: 22481370  
Conc: 10.08 ng/ml



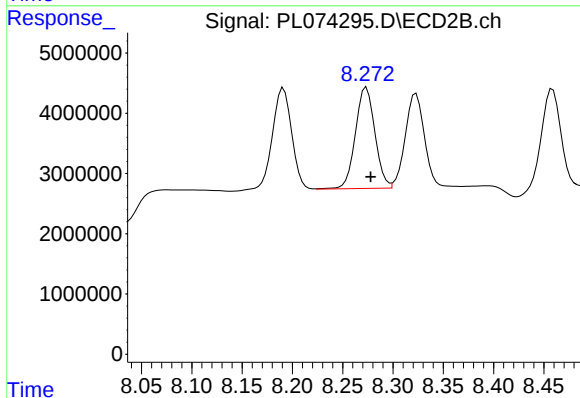
#11 alpha-Chlordane

R.T.: 7.431 min  
Delta R.T.: 0.000 min  
Response: 4732800  
Conc: 10.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

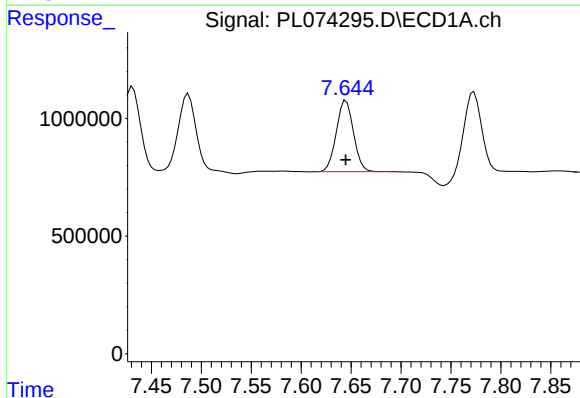
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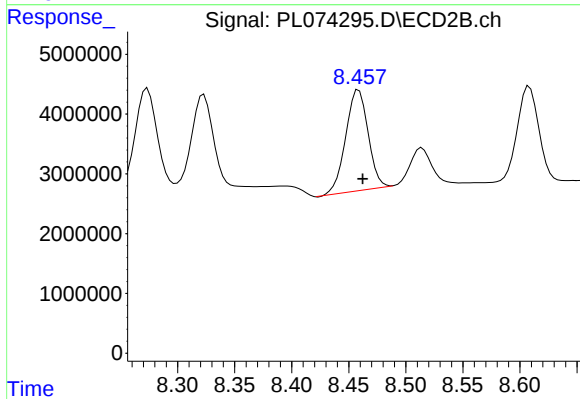
#11 alpha-Chlordane

R.T.: 8.274 min  
Delta R.T.: -0.004 min  
Response: 22587446  
Conc: 10.49 ng/ml



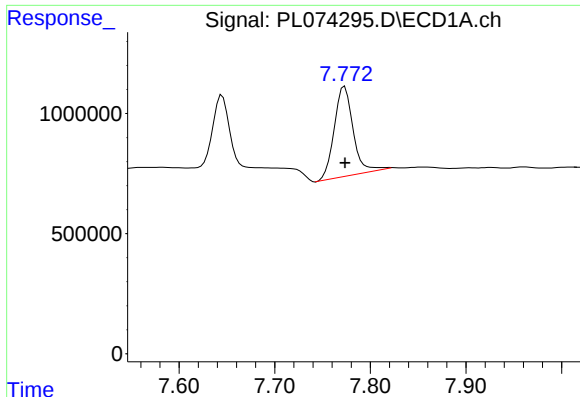
#12 4,4'-DDE

R.T.: 7.645 min  
Delta R.T.: 0.000 min  
Response: 3633518  
Conc: 9.96 ng/ml



#12 4,4'-DDE

R.T.: 8.459 min  
Delta R.T.: -0.004 min  
Response: 22952128  
Conc: 11.52 ng/ml



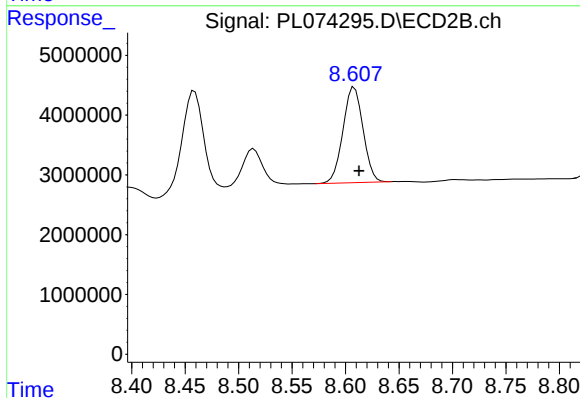
#13 Dieldrin

R.T.: 7.773 min  
Delta R.T.: 0.000 min  
Response: 5201568  
Conc: 12.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

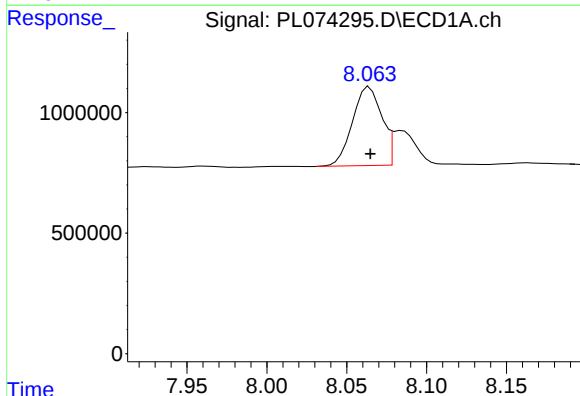
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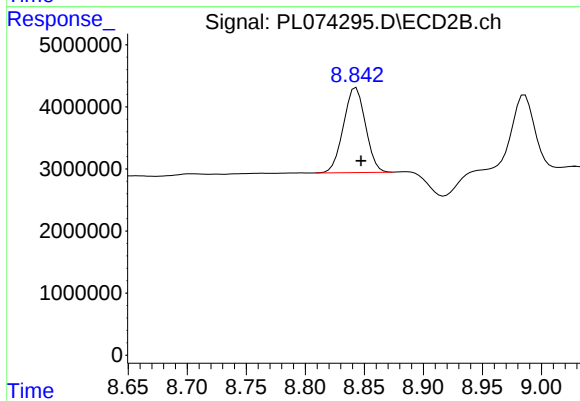
#13 Dieldrin

R.T.: 8.608 min  
Delta R.T.: -0.004 min  
Response: 20893819  
Conc: 10.42 ng/ml



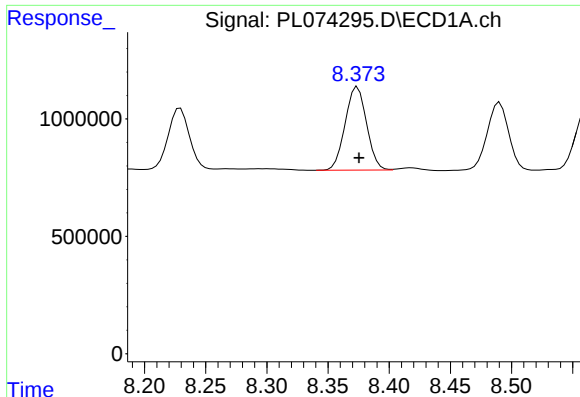
#14 Endrin

R.T.: 8.063 min  
Delta R.T.: -0.002 min  
Response: 4160326  
Conc: 10.24 ng/ml m



#14 Endrin

R.T.: 8.842 min  
Delta R.T.: -0.005 min  
Response: 17762384  
Conc: 10.49 ng/ml m



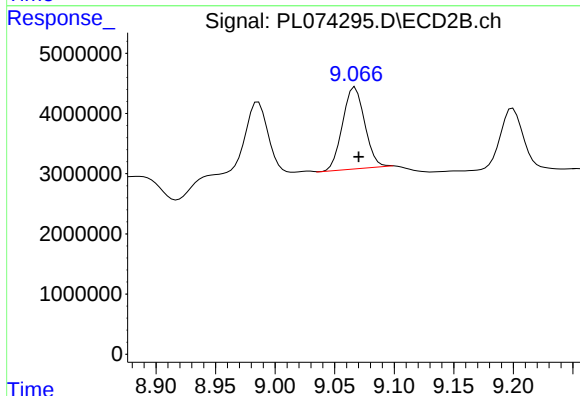
#15 Endosulfan II

R.T.: 8.374 min  
Delta R.T.: -0.001 min  
Response: 4330711  
Conc: 10.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

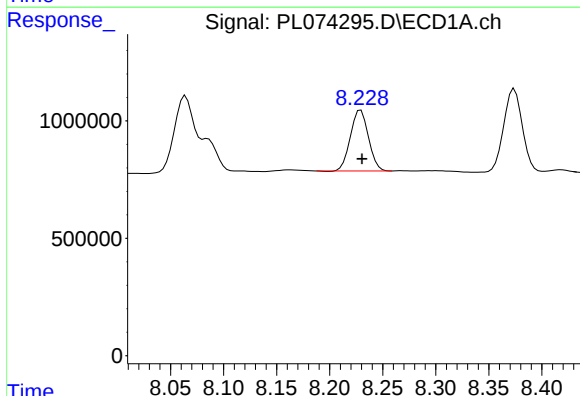
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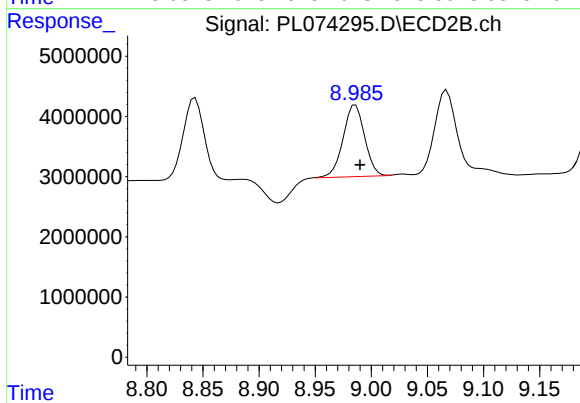
#15 Endosulfan II

R.T.: 9.066 min  
Delta R.T.: -0.005 min  
Response: 17584478  
Conc: 10.12 ng/ml m



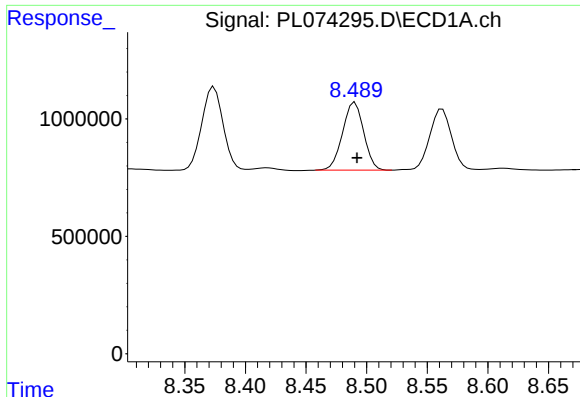
#16 4,4'-DDD

R.T.: 8.229 min  
Delta R.T.: -0.001 min  
Response: 3064678  
Conc: 9.49 ng/ml



#16 4,4'-DDD

R.T.: 8.985 min  
Delta R.T.: -0.006 min  
Response: 15916271  
Conc: 10.34 ng/ml m



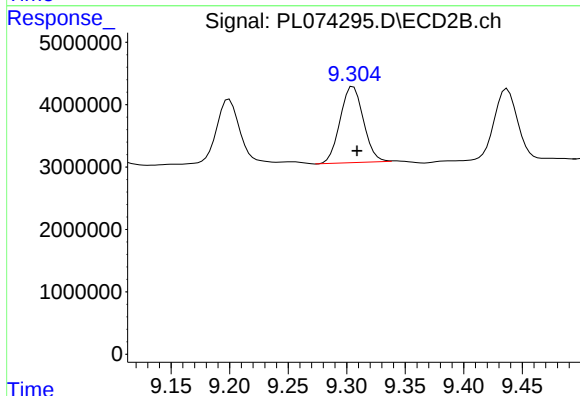
#17 4,4'-DDT

R.T.: 8.490 min  
Delta R.T.: -0.002 min  
Response: 3512608  
Conc: 9.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

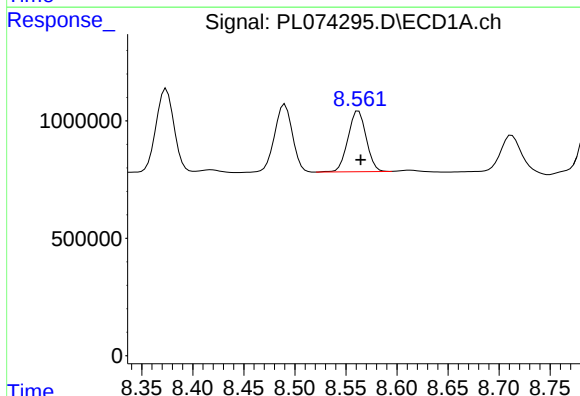
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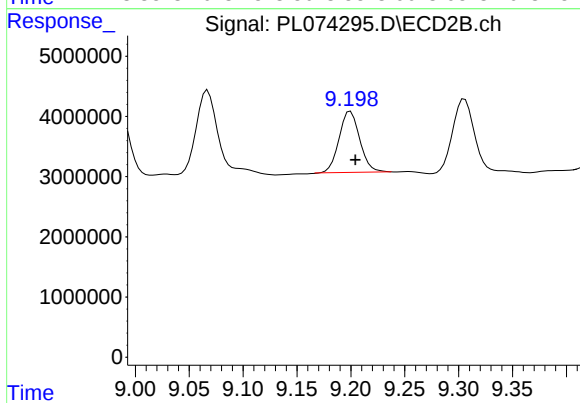
#17 4,4'-DDT

R.T.: 9.304 min  
Delta R.T.: -0.005 min  
Response: 16907949  
Conc: 9.54 ng/ml m



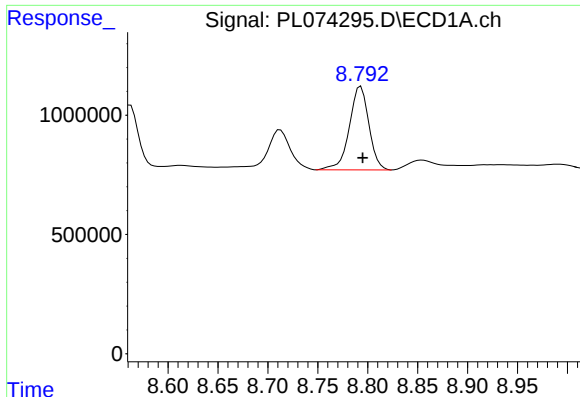
#18 Endrin aldehyde

R.T.: 8.562 min  
Delta R.T.: -0.002 min  
Response: 3212955  
Conc: 9.93 ng/ml



#18 Endrin aldehyde

R.T.: 9.198 min  
Delta R.T.: -0.006 min  
Response: 13600599  
Conc: 10.53 ng/ml m



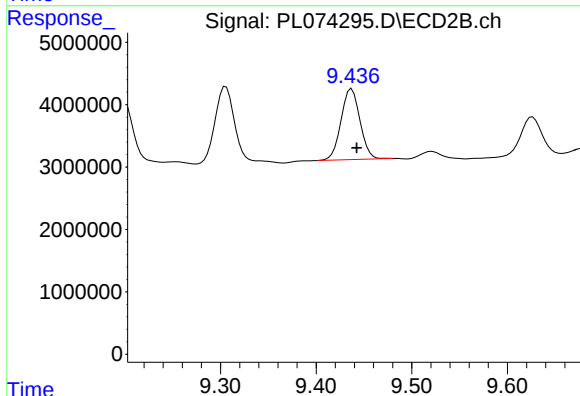
#19 Endosulfan Sulfate

R.T.: 8.792 min  
Delta R.T.: -0.003 min  
Response: 4777728  
Conc: 11.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

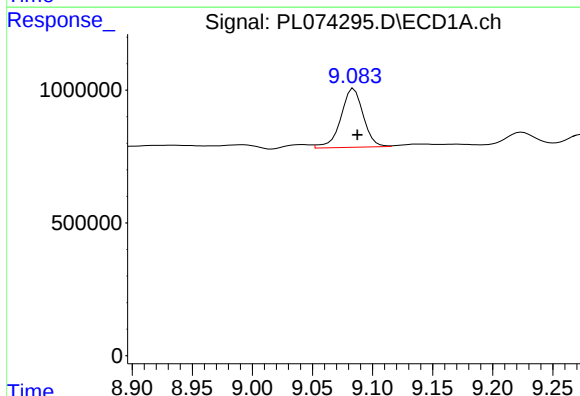
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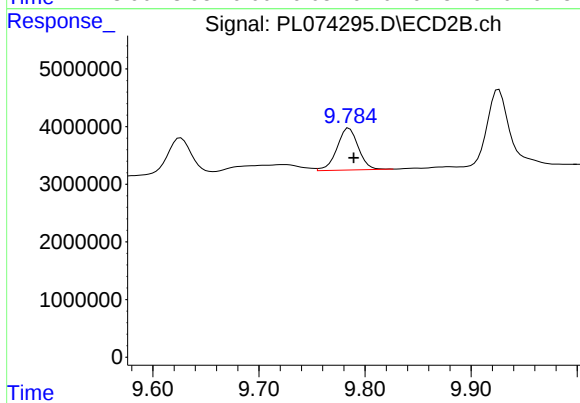
#19 Endosulfan Sulfate

R.T.: 9.437 min  
Delta R.T.: -0.005 min  
Response: 15712843  
Conc: 9.44 ng/ml



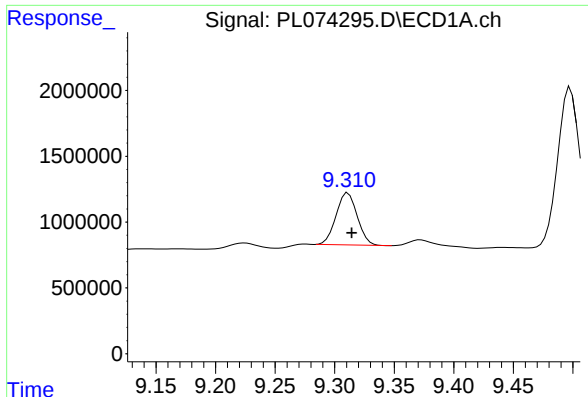
#20 Methoxychlor

R.T.: 9.084 min  
Delta R.T.: -0.003 min  
Response: 2881709  
Conc: 11.61 ng/ml



#20 Methoxychlor

R.T.: 9.785 min  
Delta R.T.: -0.004 min  
Response: 10128929  
Conc: 10.53 ng/ml



#21 Endrin ketone

R.T.: 9.311 min  
Delta R.T.: -0.003 min  
Response: 4898024  
Conc: 10.03 ng/ml

Instrument :

ECD\_L

ClientSampleId :

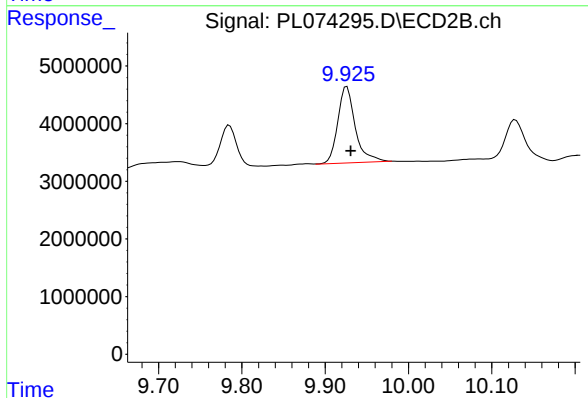
PB143979BS

Manual Integrations

APPROVED

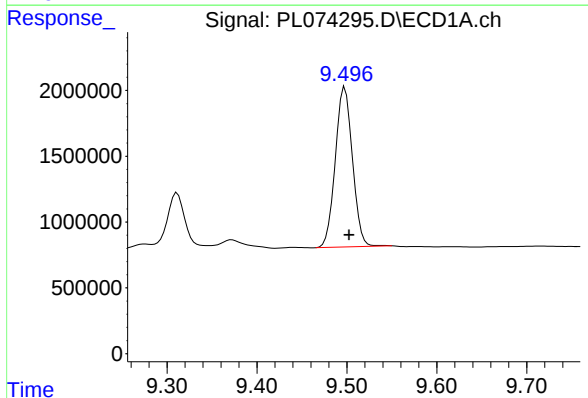
Reviewed By :Abdul Mirza 04/25/2022

Supervised By :mohammad ahmed 04/25/2022



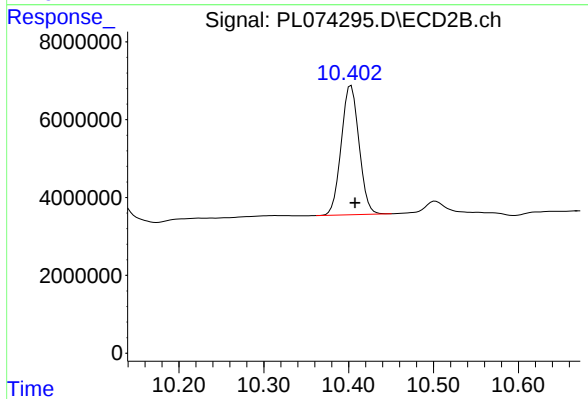
#21 Endrin ketone

R.T.: 9.926 min  
Delta R.T.: -0.005 min  
Response: 19458756  
Conc: 11.24 ng/ml



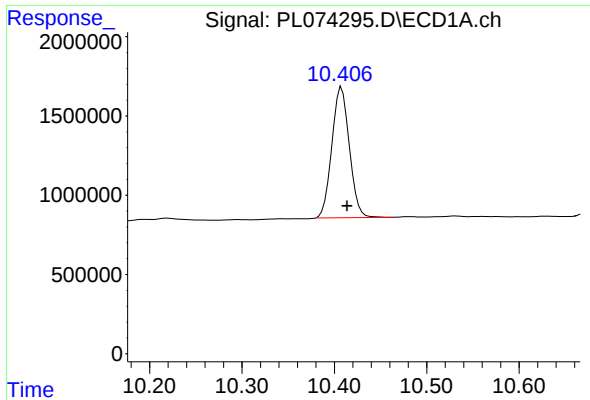
#22 Mirex

R.T.: 9.498 min  
Delta R.T.: -0.005 min  
Response: 16129094  
Conc: 34.58 ng/ml



#22 Mirex

R.T.: 10.403 min  
Delta R.T.: -0.005 min  
Response: 48272947  
Conc: 35.05 ng/ml



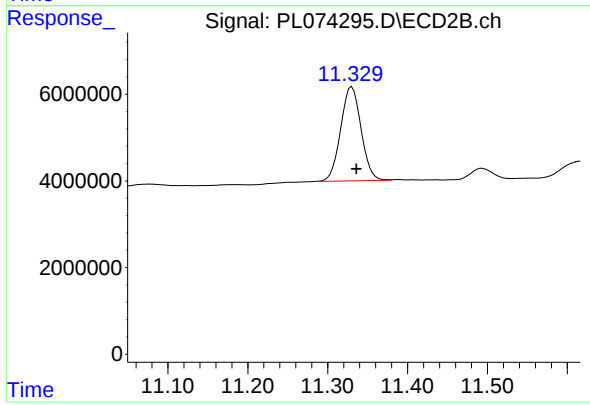
#28 Decachlorobiphenyl

R.T.: 10.408 min  
Delta R.T.: -0.006 min  
Response: 10824061  
Conc: 20.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB143979BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/25/2022  
Supervised By :mohammad ahmed 04/25/2022



#28 Decachlorobiphenyl

R.T.: 11.330 min  
Delta R.T.: -0.006 min  
Response: 38635167  
Conc: 21.87 ng/ml