

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051822\  
 Data File : PL074788.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 May 2022 15:44  
 Operator : AR\AJ  
 Sample : N2824-14MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SAS-1MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/19/2022  
 Supervised By : mohammad ahmed 05/19/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 19 03:13:19 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051122.M  
 Quant Title : GC Extractables  
 QLast Update : Sat May 14 02:37:15 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... | 5.645  | 4.650  | 12707553 | 32257389 | 25.028  | 23.502 |
| 28)                         | SA Decachlor... | 11.645 | 10.402 | 12186934 | 29687632 | 27.289  | 28.924 |
| Target Compounds            |                 |        |        |          |          |         |        |
| 2)                          | A alpha-BHC     | 6.230  | 5.353  | 54277809 | 134.9E6  | 79.336  | 80.170 |
| 3)                          | MA gamma-BHC... | 6.628  | 5.774  | 51063656 | 130.0E6  | 79.107  | 78.661 |
| 4)                          | MA Heptachlor   | 7.283  | 6.184  | 48846626 | 118.2E6  | 75.687  | 77.905 |
| 5)                          | MB Aldrin       | 7.658  | 6.509  | 47169158 | 119.2E6  | 76.143  | 79.455 |
| 6)                          | B beta-BHC      | 6.879  | 6.151  | 21480377 | 54644548 | 71.972  | 68.824 |
| 7)                          | B delta-BHC     | 7.150  | 6.412  | 47646722 | 121.0E6  | 75.986  | 77.389 |
| 8)                          | B Heptachlo...  | 8.125  | 7.083  | 43116159 | 107.9E6  | 75.809  | 77.553 |
| 9)                          | A Endosulfan I  | 8.533  | 7.485  | 42324764 | 98377130 | 73.417  | 78.630 |
| 10)                         | B gamma-Chl...  | 8.394  | 7.359  | 41964136 | 109.2E6  | 81.129m | 78.808 |
| 11)                         | B alpha-Chl...  | 8.477  | 7.428  | 45239925 | 108.2E6  | 74.103  | 80.067 |
| 12)                         | B 4,4'-DDE      | 8.663  | 7.641  | 37607483 | 97072920 | 81.238  | 82.496 |
| 13)                         | MA Dieldrin     | 8.824  | 7.770  | 42571397 | 107.3E6  | 80.995  | 84.226 |
| 14)                         | MA Endrin       | 9.064  | 8.061  | 36380536 | 93147656 | 88.160  | 88.183 |
| 15)                         | B Endosulfa...  | 9.298  | 8.370  | 37709410 | 92712660 | 85.780  | 82.075 |
| 16)                         | A 4,4'-DDD      | 9.204  | 8.224  | 31780511 | 79949597 | 70.291  | 81.156 |
| 17)                         | MA 4,4'-DDT     | 9.524  | 8.485  | 35817450 | 87195620 | 77.927  | 87.151 |
| 18)                         | B Endrin al...  | 9.433  | 8.558  | 31215619 | 72359333 | 88.200  | 90.598 |
| 19)                         | B Endosulfa...  | 9.672  | 8.788  | 35605404 | 88746186 | 78.778  | 81.528 |
| 20)                         | A Methoxychlor  | 10.010 | 9.079  | 20147233 | 49827440 | 82.263  | 85.264 |
| 21)                         | B Endrin ke...  | 10.174 | 9.306  | 40758060 | 98680258 | 79.475  | 88.511 |
| 22)                         | Mirex           | 10.648 | 9.496  | 29118479 | 73127412 | 72.163  | 75.498 |
| -----                       |                 |        |        |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051822\  
Data File : PL074788.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 May 2022 15:44  
Operator : AR\AJ  
Sample : N2824-14MSD  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

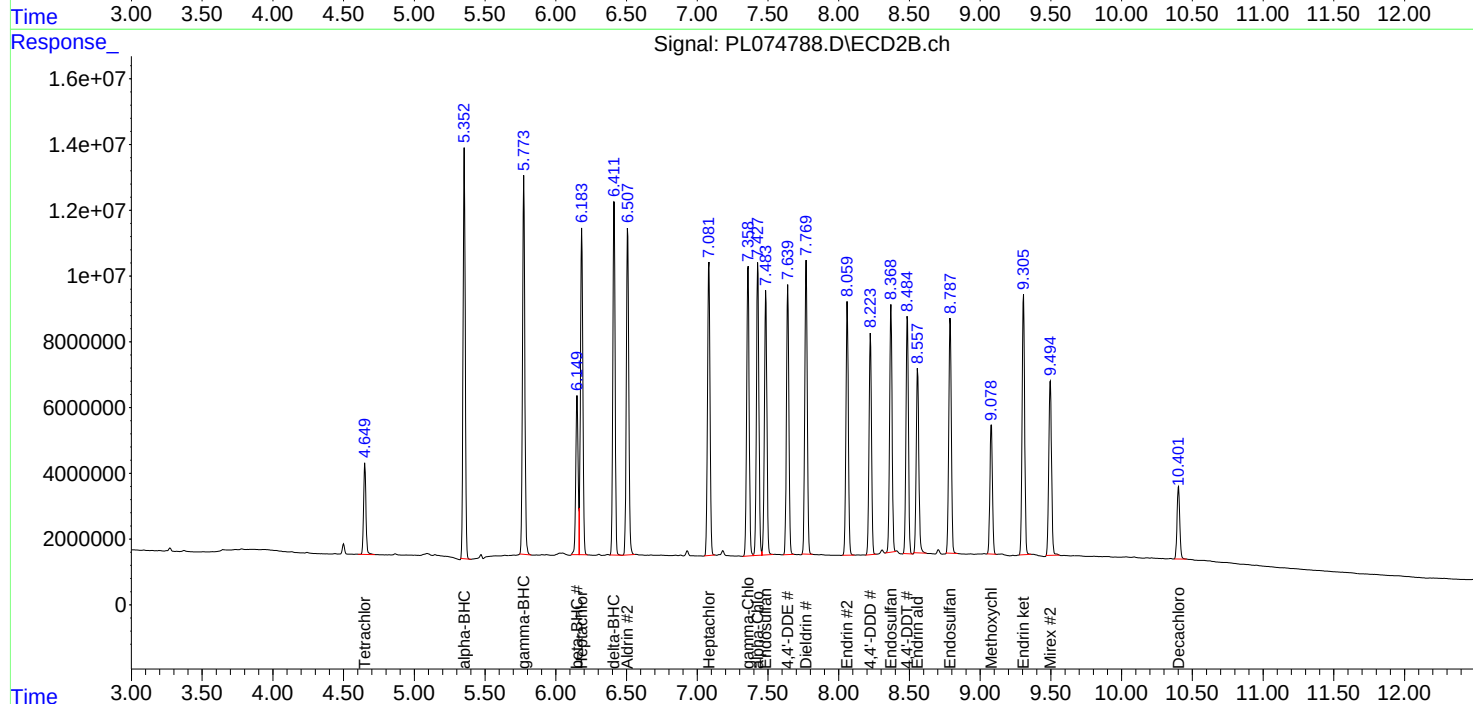
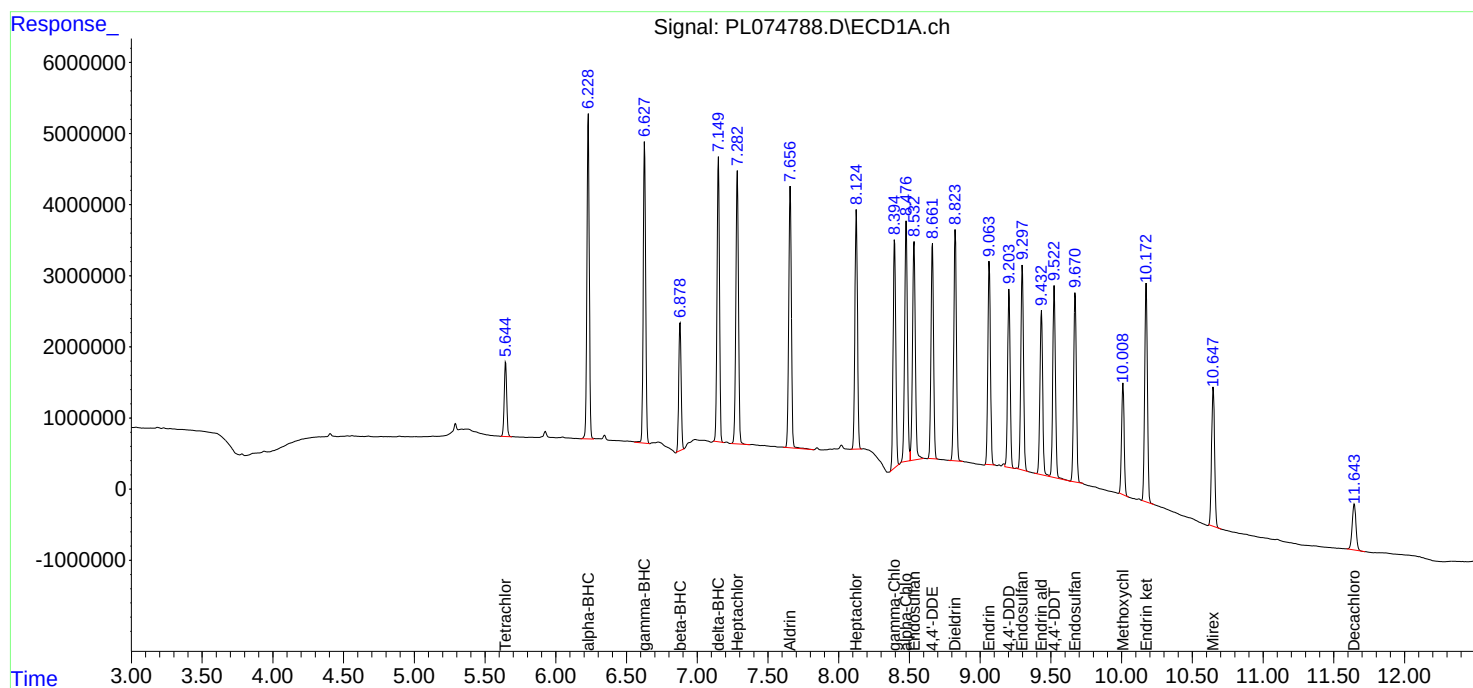
Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

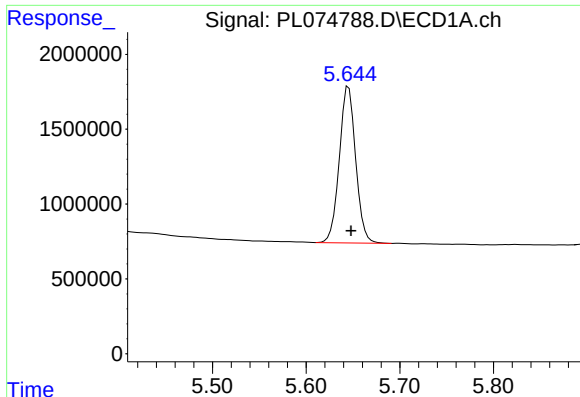
Manual Integrations  
APPROVED

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Supervised By : mohammad ahmed 05/19/2022

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 19 03:13:19 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051122.M  
Quant Title : GC Extractables  
QLast Update : Sat May 14 02:37:15 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





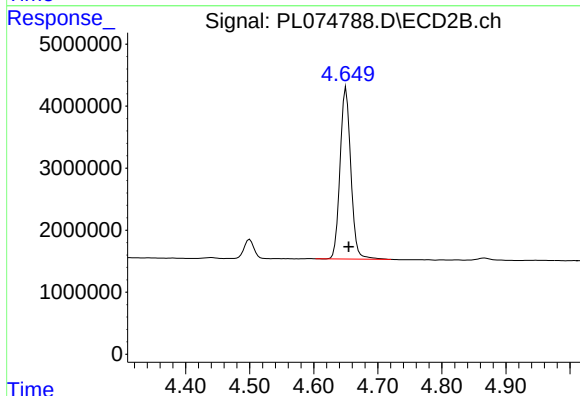
#1 Tetrachloro-m-xylene

R.T.: 5.645 min  
Delta R.T.: -0.003 min  
Response: 12707553  
Conc: 25.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

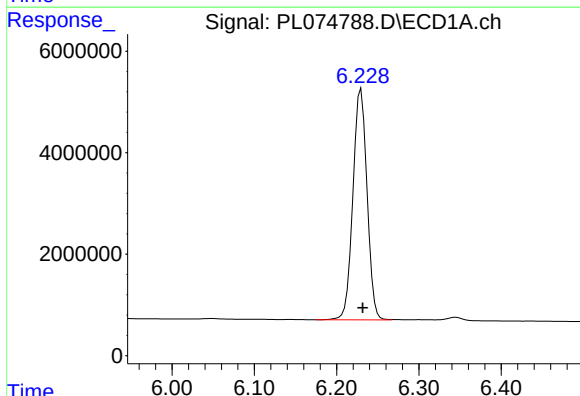
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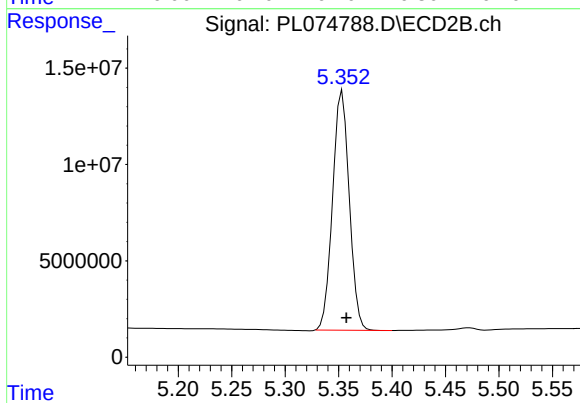
#1 Tetrachloro-m-xylene

R.T.: 4.650 min  
Delta R.T.: -0.004 min  
Response: 32257389  
Conc: 23.50 ng/ml



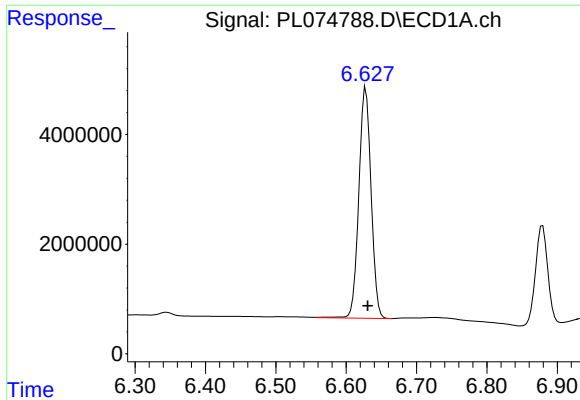
#2 alpha-BHC

R.T.: 6.230 min  
Delta R.T.: -0.002 min  
Response: 54277809  
Conc: 79.34 ng/ml



#2 alpha-BHC

R.T.: 5.353 min  
Delta R.T.: -0.004 min  
Response: 134917891  
Conc: 80.17 ng/ml



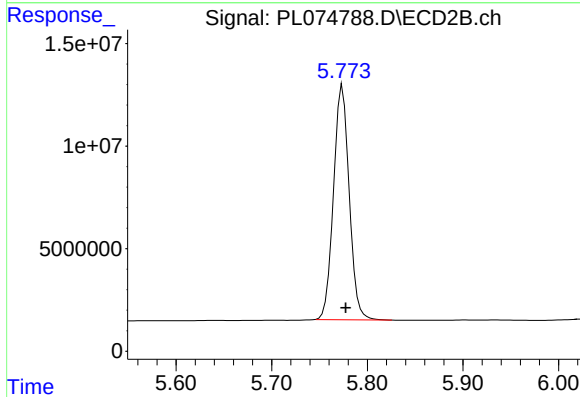
#3 gamma-BHC (Lindane)

R.T.: 6.628 min  
Delta R.T.: -0.002 min  
Response: 51063656  
Conc: 79.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

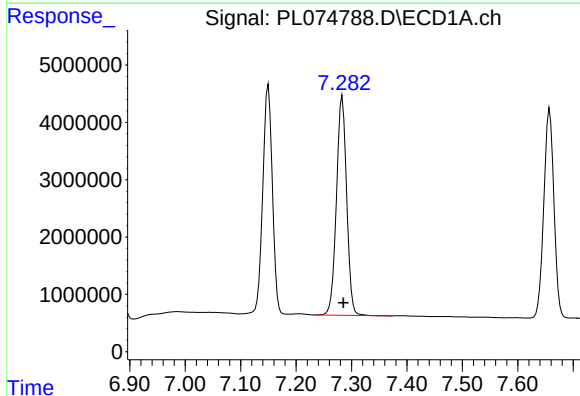
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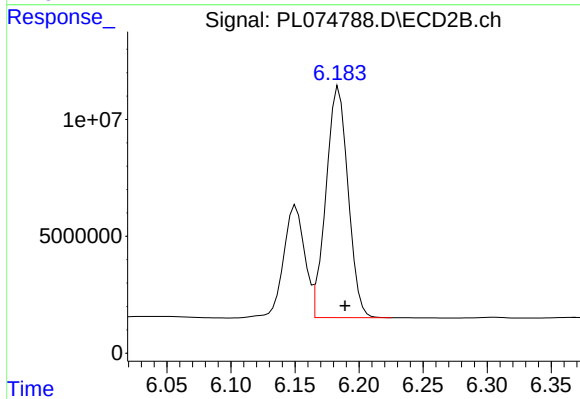
#3 gamma-BHC (Lindane)

R.T.: 5.774 min  
Delta R.T.: -0.003 min  
Response: 129979211  
Conc: 78.66 ng/ml



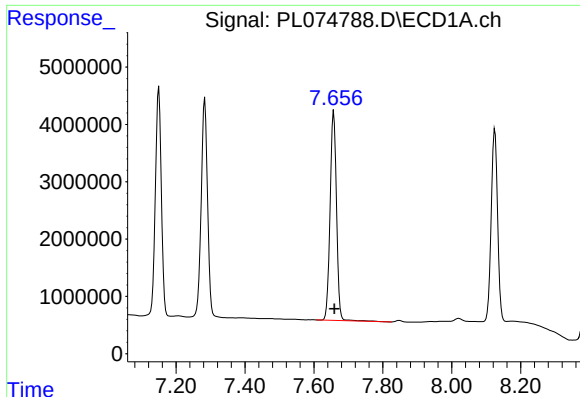
#4 Heptachlor

R.T.: 7.283 min  
Delta R.T.: -0.002 min  
Response: 48846626  
Conc: 75.69 ng/ml



#4 Heptachlor

R.T.: 6.184 min  
Delta R.T.: -0.005 min  
Response: 118247890  
Conc: 77.90 ng/ml



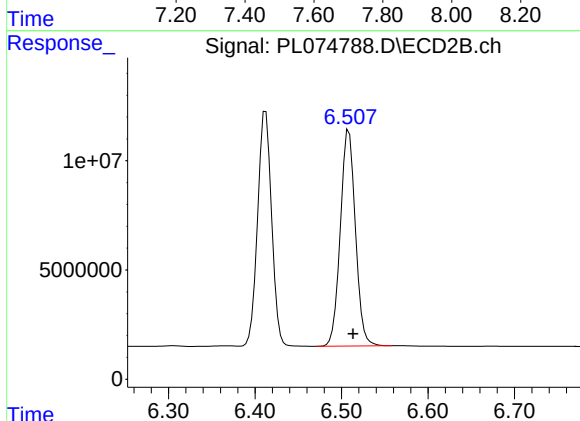
#5 Aldrin

R.T.: 7.658 min  
Delta R.T.: -0.002 min  
Response: 47169158  
Conc: 76.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

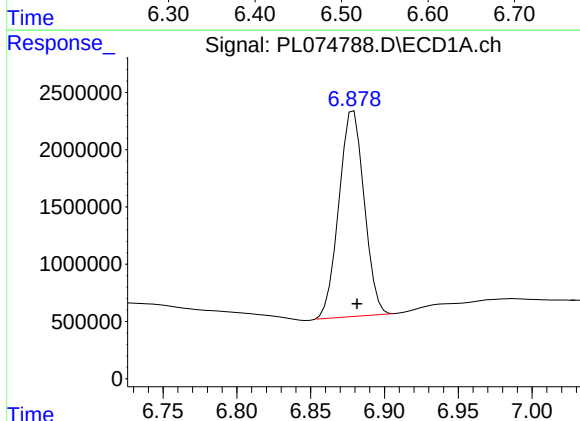
Manual Integrations  
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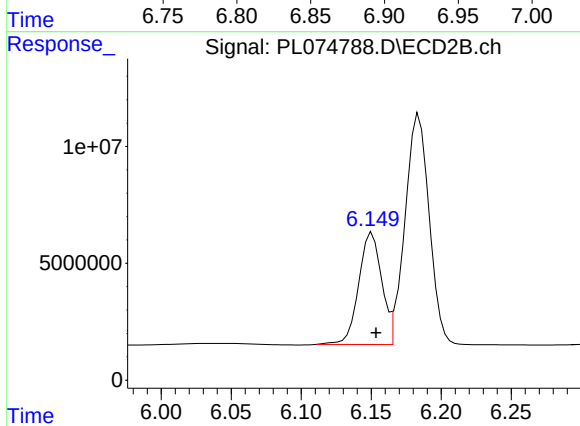
#5 Aldrin

R.T.: 6.509 min  
Delta R.T.: -0.005 min  
Response: 119219391  
Conc: 79.45 ng/ml



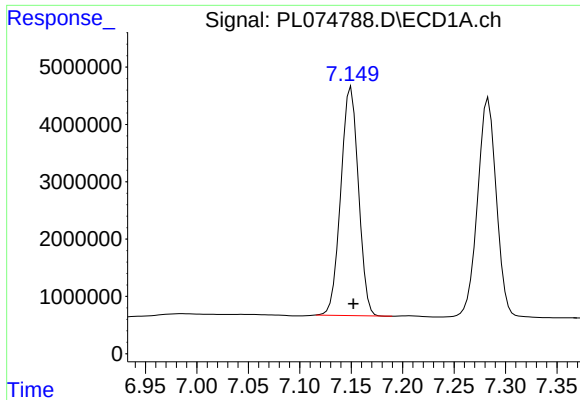
#6 beta-BHC

R.T.: 6.879 min  
Delta R.T.: -0.002 min  
Response: 21480377  
Conc: 71.97 ng/ml



#6 beta-BHC

R.T.: 6.151 min  
Delta R.T.: -0.003 min  
Response: 54644548  
Conc: 68.82 ng/ml



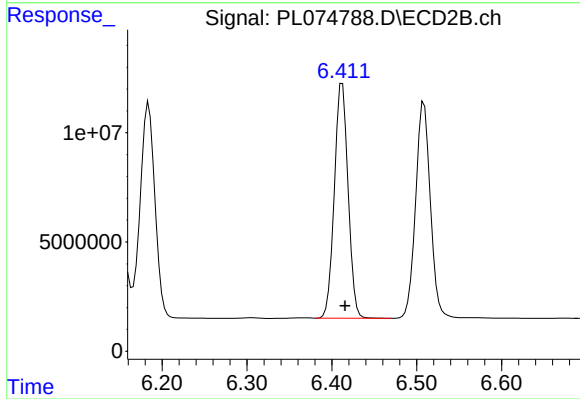
#7 delta-BHC

R.T.: 7.150 min  
Delta R.T.: -0.002 min  
Response: 47646722  
Conc: 75.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

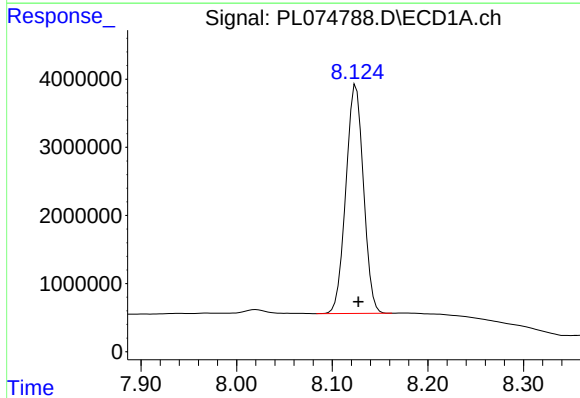
Manual Integrations  
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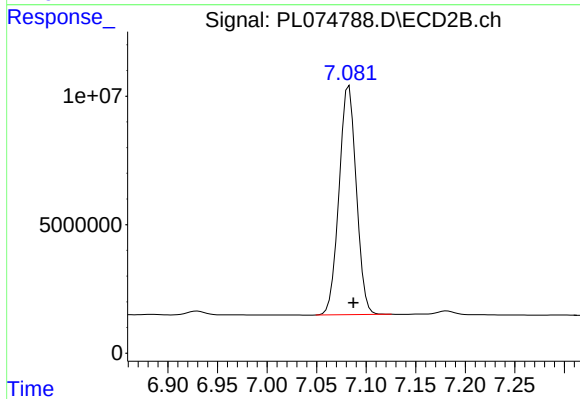
#7 delta-BHC

R.T.: 6.412 min  
Delta R.T.: -0.003 min  
Response: 121012351  
Conc: 77.39 ng/ml



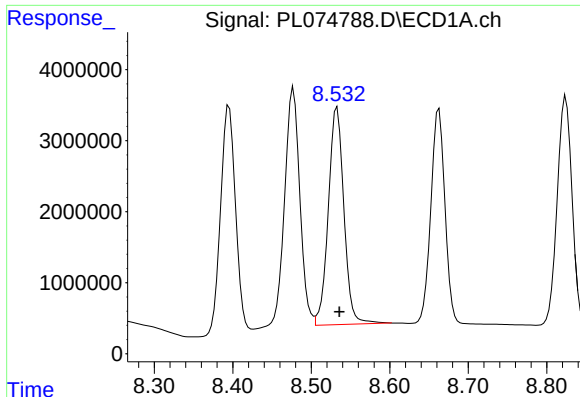
#8 Heptachlor epoxide

R.T.: 8.125 min  
Delta R.T.: -0.002 min  
Response: 43116159  
Conc: 75.81 ng/ml



#8 Heptachlor epoxide

R.T.: 7.083 min  
Delta R.T.: -0.004 min  
Response: 107936974  
Conc: 77.55 ng/ml



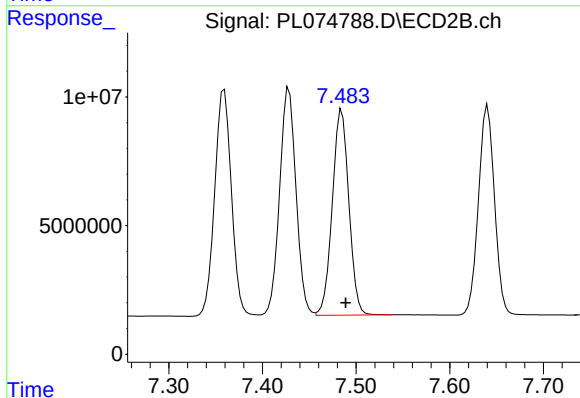
#9 Endosulfan I

R.T.: 8.533 min  
Delta R.T.: -0.003 min  
Response: 42324764  
Conc: 73.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

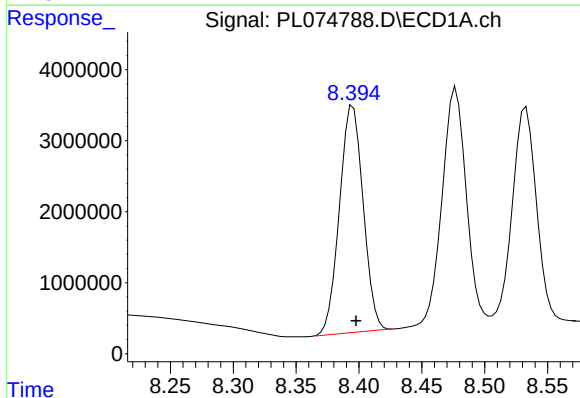
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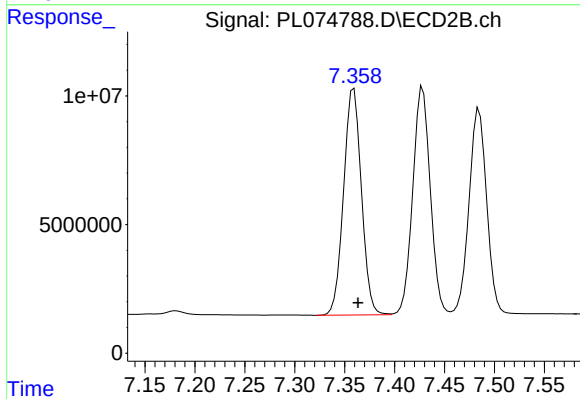
#9 Endosulfan I

R.T.: 7.485 min  
Delta R.T.: -0.004 min  
Response: 98377130  
Conc: 78.63 ng/ml



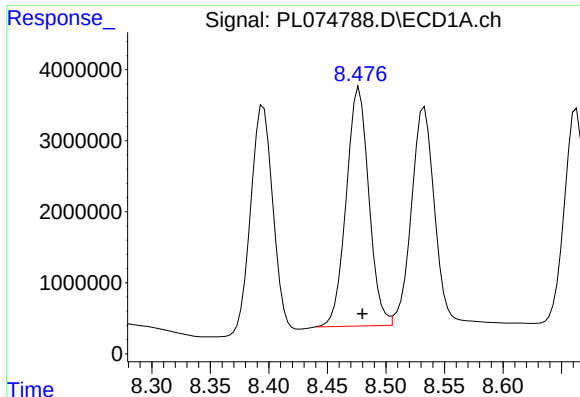
#10 gamma-Chlordane

R.T.: 8.394 min  
Delta R.T.: -0.004 min  
Response: 41964136  
Conc: 81.13 ng/ml m



#10 gamma-Chlordane

R.T.: 7.359 min  
Delta R.T.: -0.004 min  
Response: 109215302  
Conc: 78.81 ng/ml



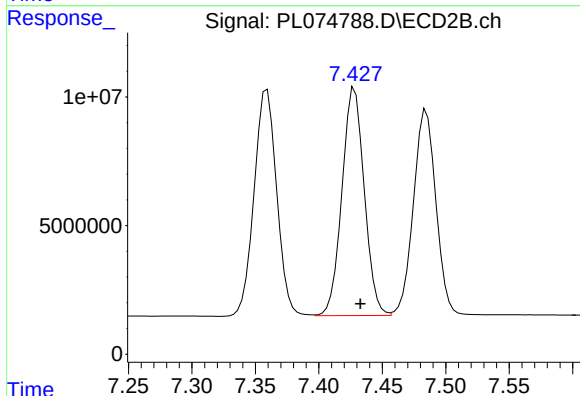
#11 alpha-Chlordane

R.T.: 8.477 min  
Delta R.T.: -0.003 min  
Response: 45239925  
Conc: 74.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

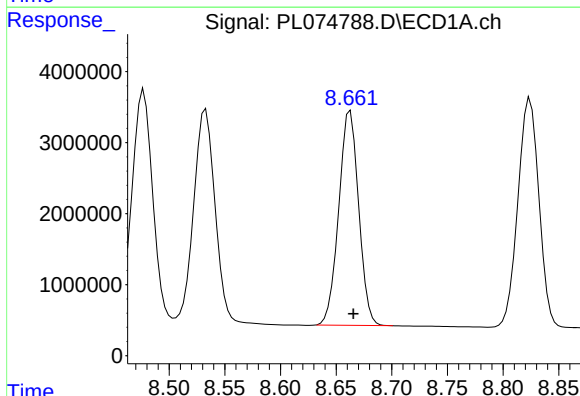
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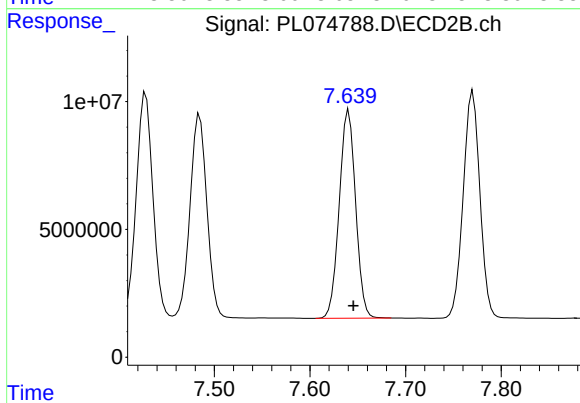
#11 alpha-Chlordane

R.T.: 7.428 min  
Delta R.T.: -0.005 min  
Response: 108237275  
Conc: 80.07 ng/ml



#12 4,4'-DDE

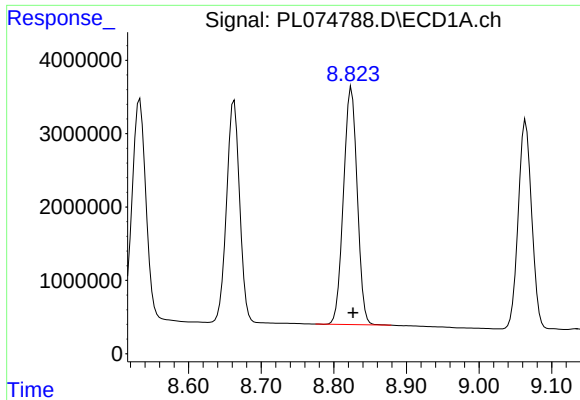
R.T.: 8.663 min  
Delta R.T.: -0.003 min  
Response: 37607483  
Conc: 81.24 ng/ml



#12 4,4'-DDE

R.T.: 7.641 min  
Delta R.T.: -0.005 min  
Response: 97072920  
Conc: 82.50 ng/ml





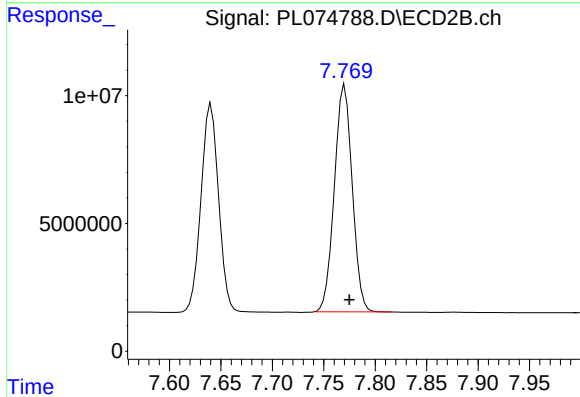
#13 Dieldrin

R.T.: 8.824 min  
Delta R.T.: -0.002 min  
Response: 42571397  
Conc: 80.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

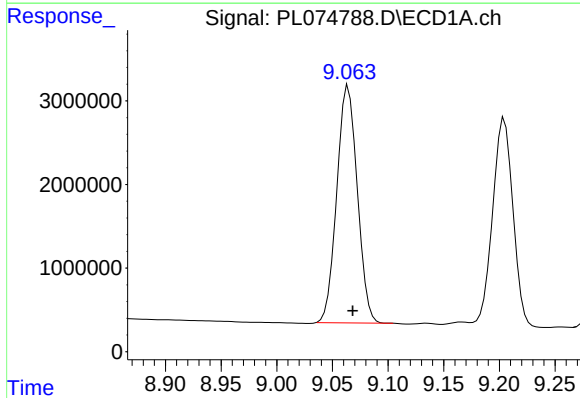
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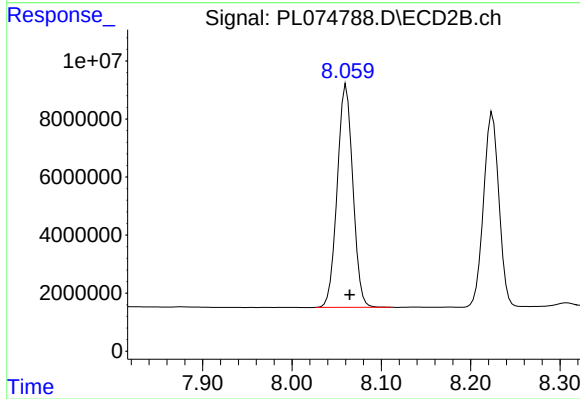
#13 Dieldrin

R.T.: 7.770 min  
Delta R.T.: -0.005 min  
Response: 107296112  
Conc: 84.23 ng/ml



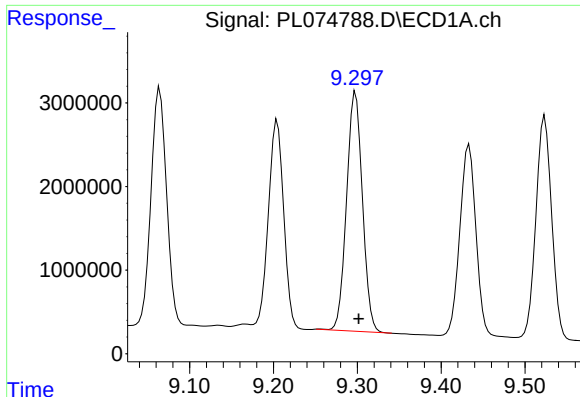
#14 Endrin

R.T.: 9.064 min  
Delta R.T.: -0.004 min  
Response: 36380536  
Conc: 88.16 ng/ml



#14 Endrin

R.T.: 8.061 min  
Delta R.T.: -0.004 min  
Response: 93147656  
Conc: 88.18 ng/ml



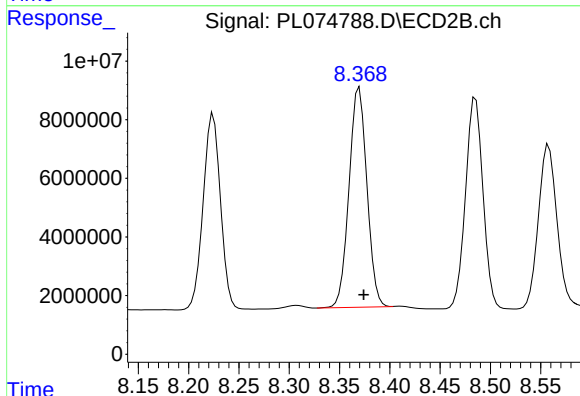
#15 Endosulfan II

R.T.: 9.298 min  
Delta R.T.: -0.004 min  
Response: 37709410  
Conc: 85.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

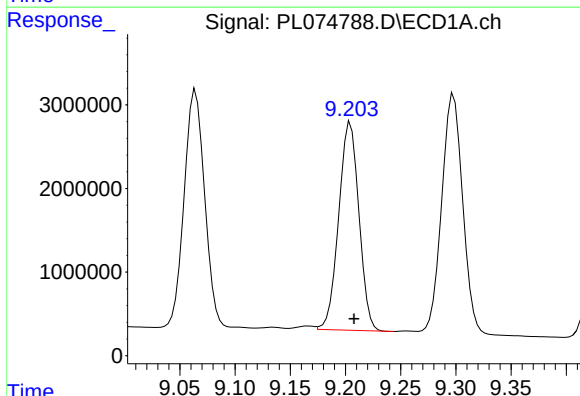
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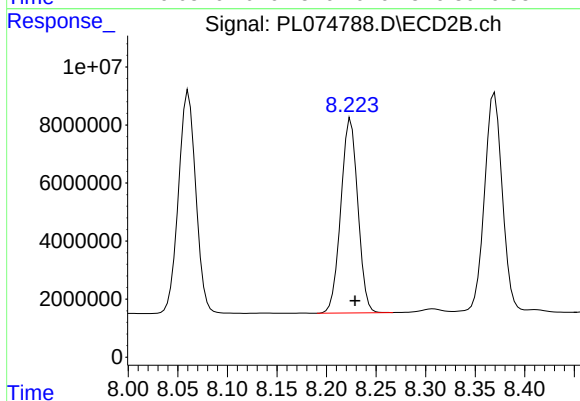
#15 Endosulfan II

R.T.: 8.370 min  
Delta R.T.: -0.004 min  
Response: 92712660  
Conc: 82.08 ng/ml



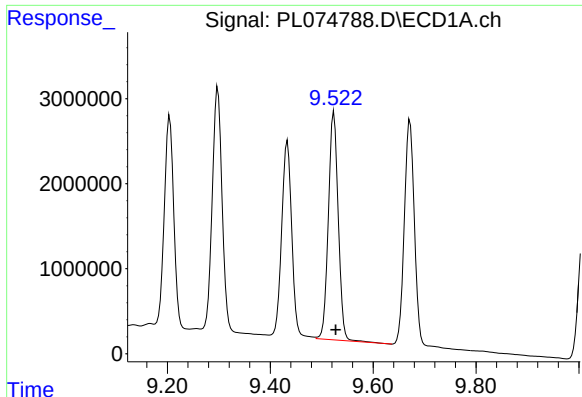
#16 4,4'-DDD

R.T.: 9.204 min  
Delta R.T.: -0.003 min  
Response: 31780511  
Conc: 70.29 ng/ml



#16 4,4'-DDD

R.T.: 8.224 min  
Delta R.T.: -0.004 min  
Response: 79949597  
Conc: 81.16 ng/ml



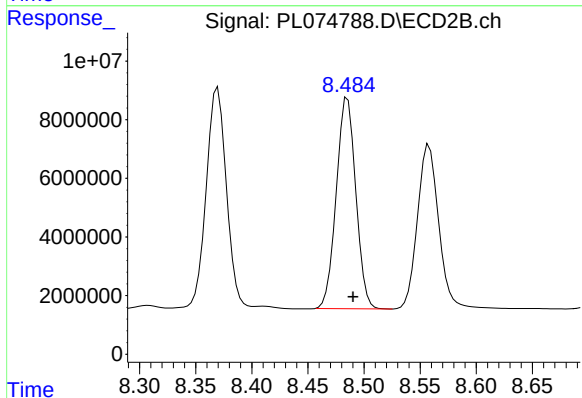
#17 4,4'-DDT

R.T.: 9.524 min  
Delta R.T.: -0.004 min  
Response: 35817450  
Conc: 77.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

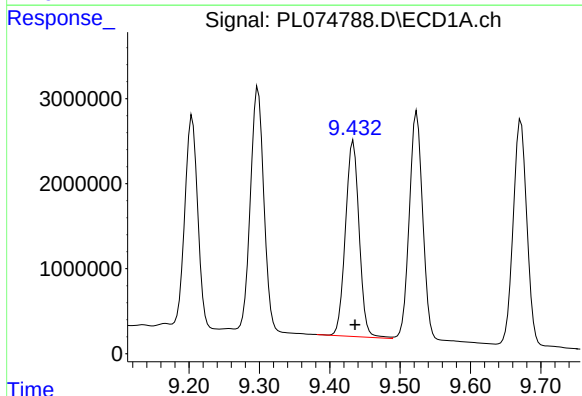
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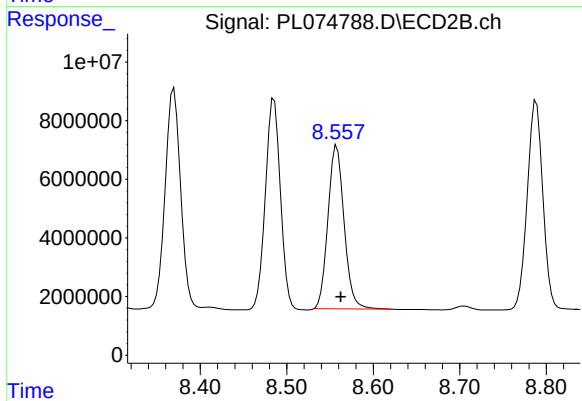
#17 4,4'-DDT

R.T.: 8.485 min  
Delta R.T.: -0.005 min  
Response: 87195620  
Conc: 87.15 ng/ml



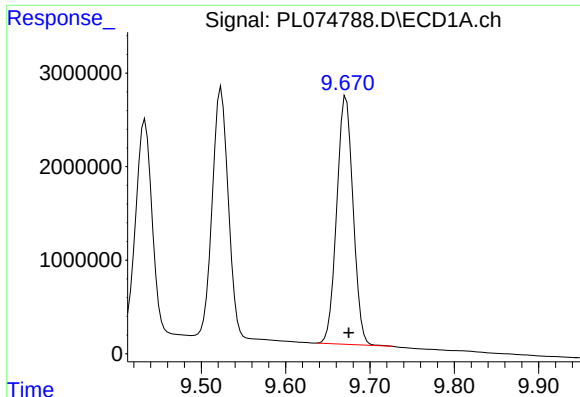
#18 Endrin aldehyde

R.T.: 9.433 min  
Delta R.T.: -0.003 min  
Response: 31215619  
Conc: 88.20 ng/ml



#18 Endrin aldehyde

R.T.: 8.558 min  
Delta R.T.: -0.005 min  
Response: 72359333  
Conc: 90.60 ng/ml



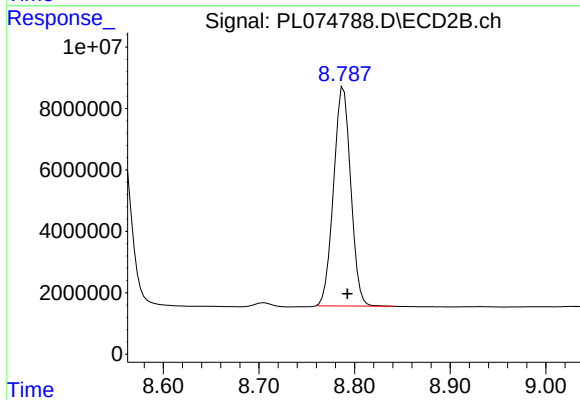
#19 Endosulfan Sulfate

R.T.: 9.672 min  
Delta R.T.: -0.003 min  
Response: 35605404  
Conc: 78.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

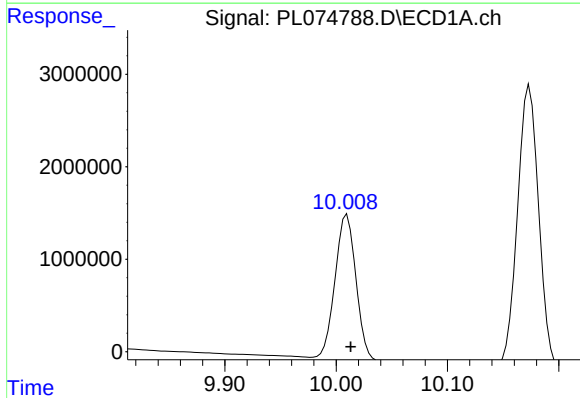
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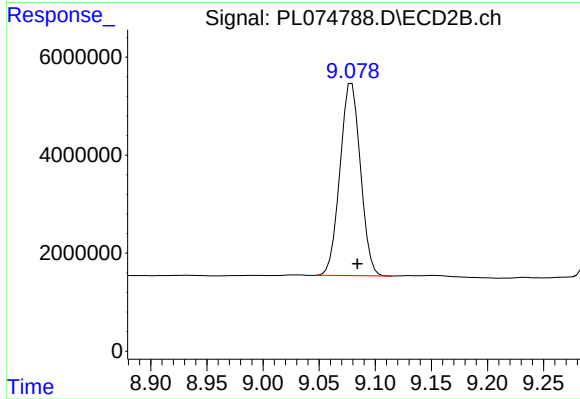
#19 Endosulfan Sulfate

R.T.: 8.788 min  
Delta R.T.: -0.004 min  
Response: 88746186  
Conc: 81.53 ng/ml



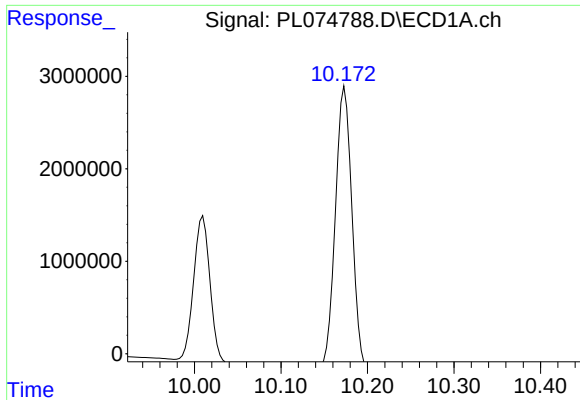
#20 Methoxychlor

R.T.: 10.010 min  
Delta R.T.: -0.003 min  
Response: 20147233  
Conc: 82.26 ng/ml



#20 Methoxychlor

R.T.: 9.079 min  
Delta R.T.: -0.005 min  
Response: 49827440  
Conc: 85.26 ng/ml



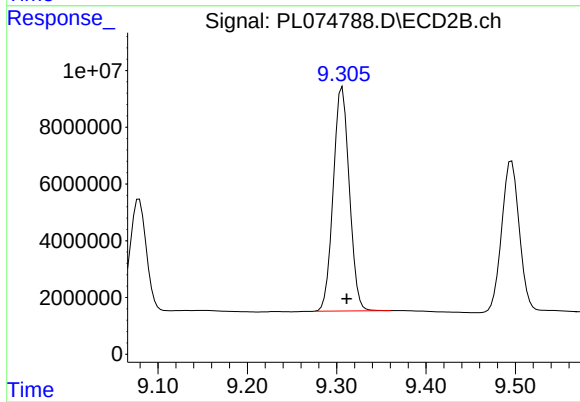
#21 Endrin ketone

R.T.: 10.174 min  
Delta R.T.: -0.003 min  
Response: 40758060  
Conc: 79.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

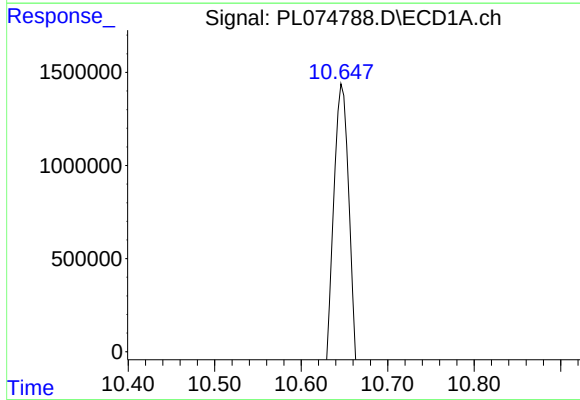
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2022  
Supervised By :mohammad ahmed 05/19/2022



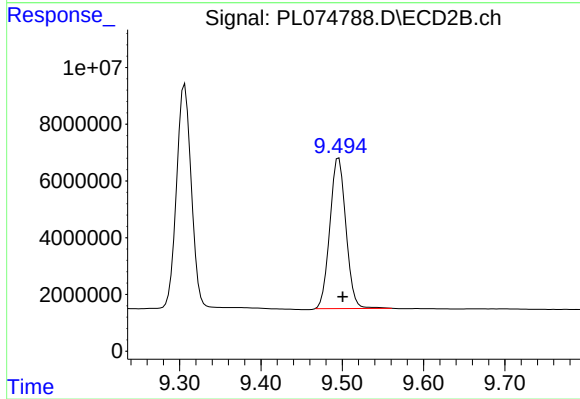
#21 Endrin ketone

R.T.: 9.306 min  
Delta R.T.: -0.005 min  
Response: 98680258  
Conc: 88.51 ng/ml



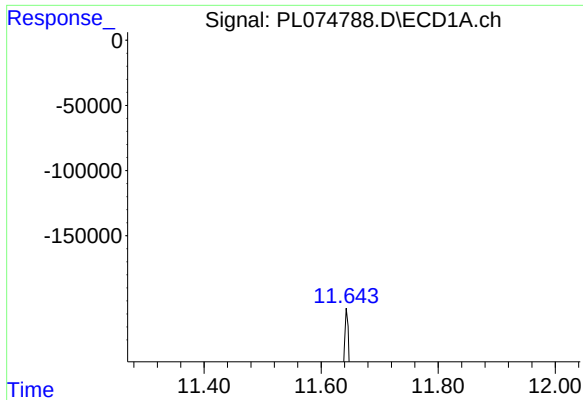
#22 Mirex

R.T.: 10.648 min  
Delta R.T.: -0.004 min  
Response: 29118479  
Conc: 72.16 ng/ml



#22 Mirex

R.T.: 9.496 min  
Delta R.T.: -0.005 min  
Response: 73127412  
Conc: 75.50 ng/ml



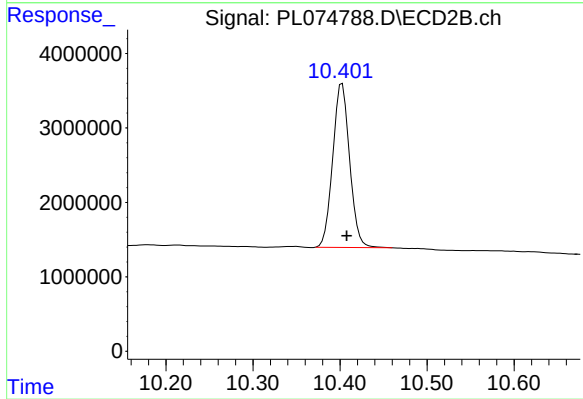
#28 Decachlorobiphenyl

R.T.: 11.645 min  
Delta R.T.: -0.006 min  
Response: 12186934  
Conc: 27.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAS-1MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/19/2022  
Supervised By :mohammad ahmed 05/19/2022



#28 Decachlorobiphenyl

R.T.: 10.402 min  
Delta R.T.: -0.005 min  
Response: 29687632  
Conc: 28.92 ng/ml