

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111521\  
 Data File : PD066947.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Nov 2021 18:18  
 Operator : AR\AJ  
 Sample : M4681-01MSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 COMP-1MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/16/2021  
 Supervised By : mohammad ahmed 11/16/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 16 06:17:57 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102821.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 28 02:17:57 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 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 x 0.50µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|---------|
| -----                       |                 |       |       |          |         |        |         |
| System Monitoring Compounds |                 |       |       |          |         |        |         |
| 1)                          | SA Tetrachlo... | 3.437 | 3.968 | 37074179 | 176.8E6 | 19.870 | 21.853  |
| 28)                         | SA Decachlor... | 8.163 | 9.028 | 20053140 | 103.4E6 | 17.356 | 19.199  |
| Target Compounds            |                 |       |       |          |         |        |         |
| 2)                          | A alpha-BHC     | 3.874 | 4.361 | 152.7E6  | 537.2E6 | 49.957 | 48.696  |
| 3)                          | MA gamma-BHC... | 4.156 | 4.646 | 142.5E6  | 483.6E6 | 47.201 | 48.527  |
| 4)                          | MA Heptachlor   | 4.449 | 5.146 | 145.1E6  | 442.9E6 | 48.901 | 45.189  |
| 5)                          | MB Aldrin       | 4.695 | 5.450 | 126.0E6  | 423.2E6 | 43.711 | 46.617  |
| 6)                          | B beta-BHC      | 4.404 | 4.823 | 57510448 | 211.2E6 | 46.040 | 45.347  |
| 7)                          | B delta-BHC     | 4.606 | 5.039 | 137.4E6  | 458.7E6 | 51.097 | 50.186  |
| 8)                          | B Heptachlo...  | 5.135 | 5.839 | 130.3E6  | 374.5E6 | 50.379 | 51.677  |
| 9)                          | A Endosulfan I  | 5.471 | 6.196 | 119.7E6  | 377.6E6 | 50.419 | 47.887  |
| 10)                         | B gamma-Chl...  | 5.359 | 6.073 | 131.4E6  | 391.7E6 | 50.421 | 46.943  |
| 11)                         | B alpha-Chl...  | 5.418 | 6.145 | 128.6E6  | 393.9E6 | 50.102 | 47.490  |
| 12)                         | B 4,4'-DDE      | 5.581 | 6.305 | 119.4E6  | 382.6E6 | 51.266 | 48.543  |
| 13)                         | MA Dieldrin     | 5.713 | 6.455 | 127.3E6  | 405.1E6 | 50.876 | 48.821  |
| 14)                         | MA Endrin       | 5.970 | 6.674 | 112.4E6  | 355.0E6 | 53.717 | 51.582  |
| 15)                         | B Endosulfa...  | 6.243 | 6.888 | 97461904 | 342.5E6 | 49.011 | 48.506  |
| 16)                         | A 4,4'-DDD      | 6.096 | 6.798 | 94620658 | 338.0E6 | 50.468 | 49.735m |
| 17)                         | MA 4,4'-DDT     | 6.335 | 7.098 | 99272162 | 349.4E6 | 51.611 | 48.178  |
| 18)                         | B Endrin al...  | 6.412 | 7.013 | 72437077 | 264.7E6 | 46.862 | 46.544  |
| 19)                         | B Endosulfa...  | 6.623 | 7.237 | 91017907 | 339.9E6 | 48.905 | 46.853  |
| 20)                         | A Methoxychlor  | 6.882 | 7.560 | 49646923 | 193.1E6 | 48.075 | 47.399  |
| 21)                         | B Endrin ke...  | 7.116 | 7.709 | 94181003 | 372.6E6 | 43.161 | 44.305  |
| 22)                         | Mirex           | 7.297 | 8.157 | 71180045 | 266.9E6 | 45.758 | 45.119  |
| -----                       |                 |       |       |          |         |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111521\  
 Data File : PD066947.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Nov 2021 18:18  
 Operator : AR\AJ  
 Sample : M4681-01MSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

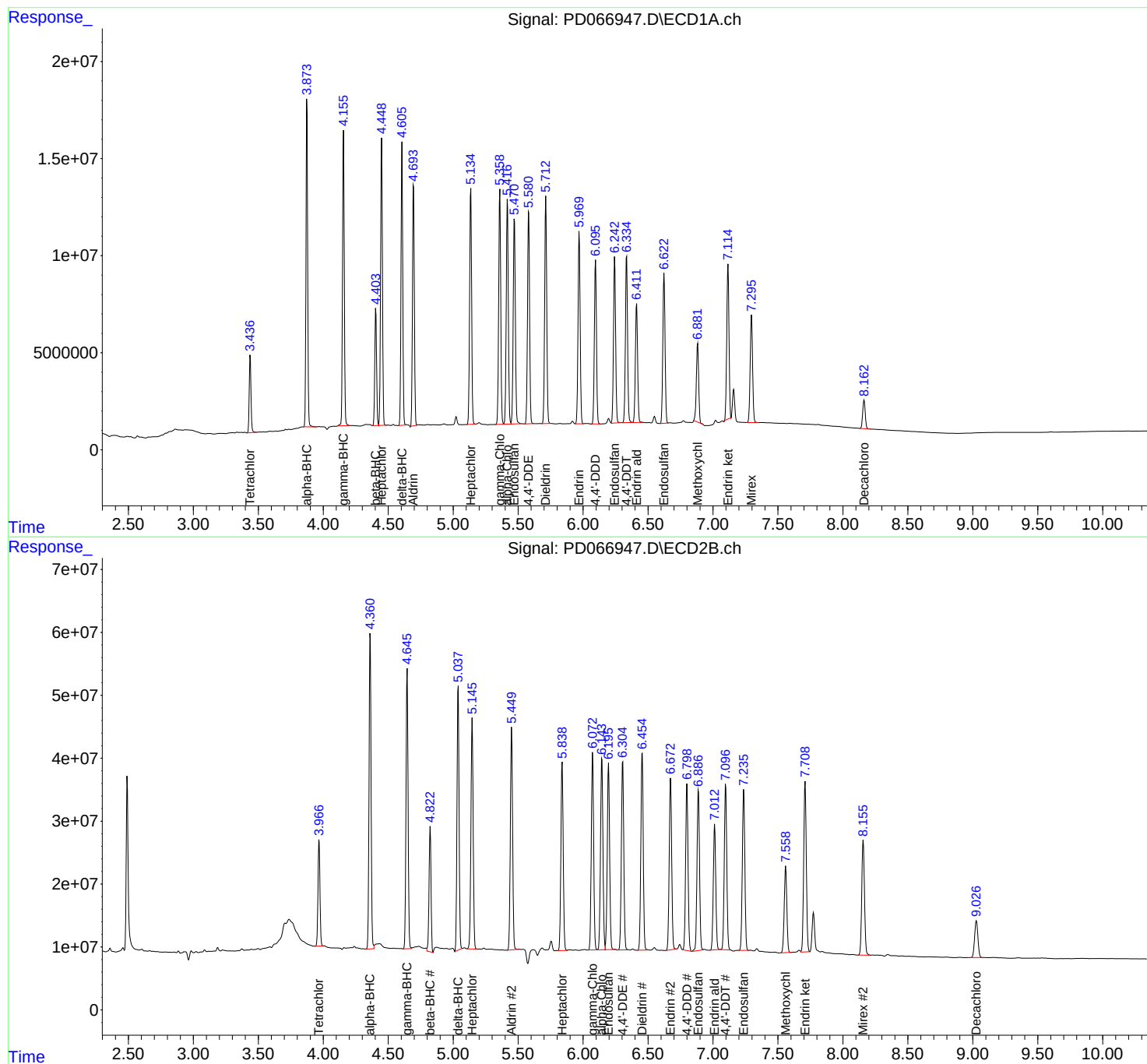
Instrument :  
 ECD\_D  
 ClientSampleId :  
 COMP-1MSD

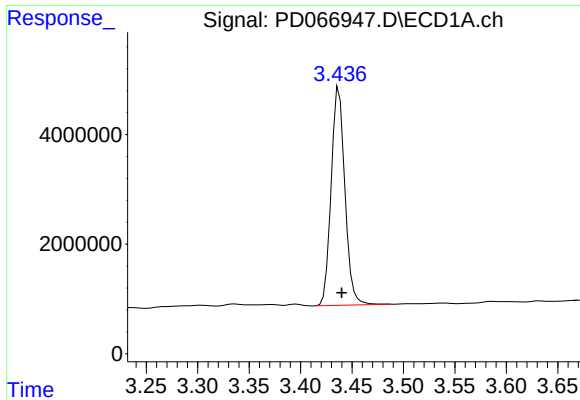
### Manual Integrations APPROVED

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 Supervised By :mohammad ahmed 11/16/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 16 06:17:57 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102821.M  
 Quant Title : GC Extractables  
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 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 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 x 0.50µm





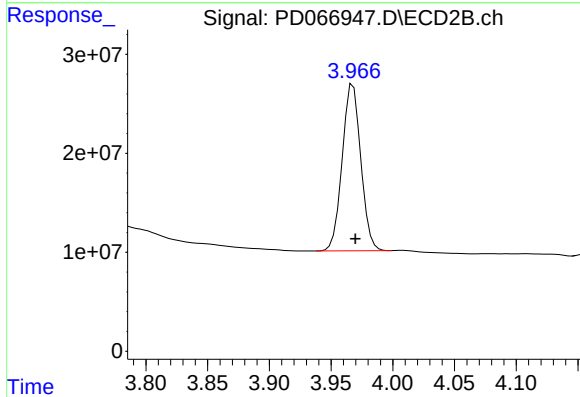
#1 Tetrachloro-m-xylene

R.T.: 3.437 min  
Delta R.T.: -0.003 min  
Response: 37074179  
Conc: 19.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

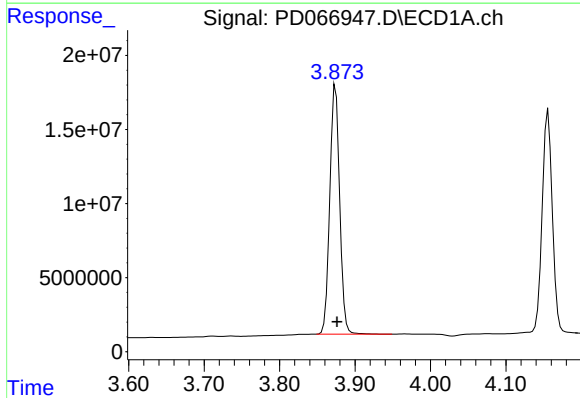
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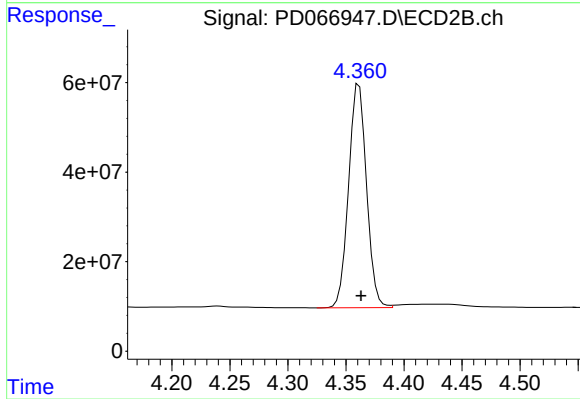
#1 Tetrachloro-m-xylene

R.T.: 3.968 min  
Delta R.T.: -0.002 min  
Response: 176839675  
Conc: 21.85 ng/ml



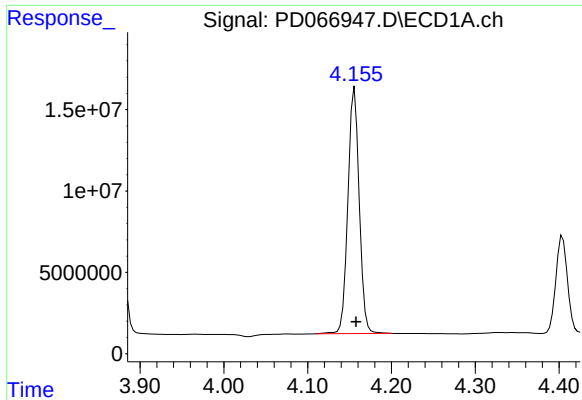
#2 alpha-BHC

R.T.: 3.874 min  
Delta R.T.: -0.002 min  
Response: 152735933  
Conc: 49.96 ng/ml



#2 alpha-BHC

R.T.: 4.361 min  
Delta R.T.: -0.002 min  
Response: 537245496  
Conc: 48.70 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.156 min  
Delta R.T.: -0.002 min  
Response: 142545159  
Conc: 47.20 ng/ml

Instrument :

ECD\_D

ClientSampleId :

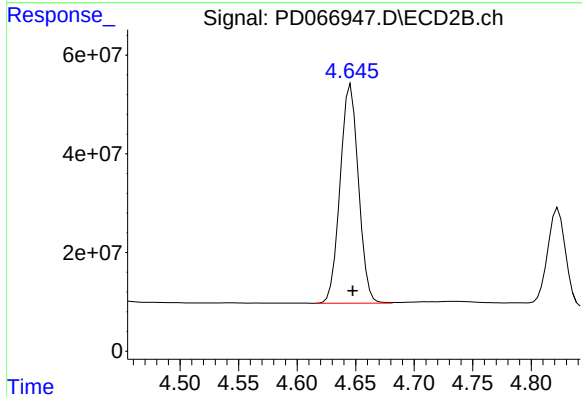
COMP-1MSD

Manual Integrations

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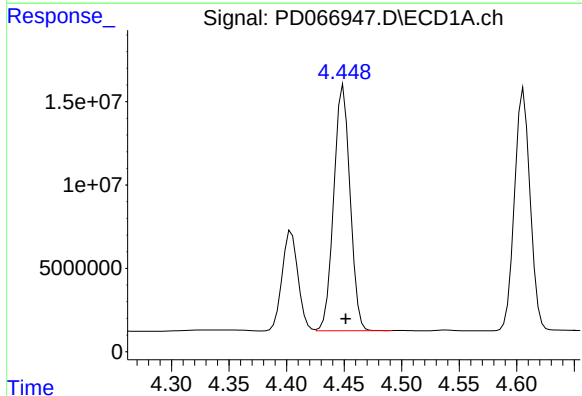
Reviewed By :Abdul Mirza 11/16/2021

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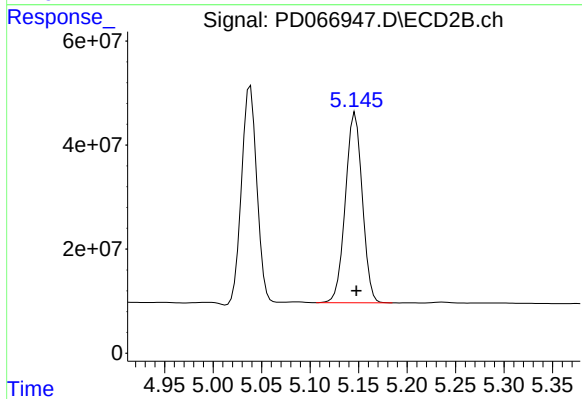
#3 gamma-BHC (Lindane)

R.T.: 4.646 min  
Delta R.T.: -0.002 min  
Response: 483581253  
Conc: 48.53 ng/ml



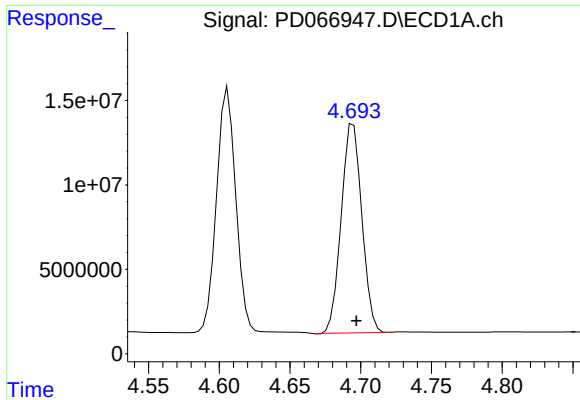
#4 Heptachlor

R.T.: 4.449 min  
Delta R.T.: -0.002 min  
Response: 145072219  
Conc: 48.90 ng/ml



#4 Heptachlor

R.T.: 5.146 min  
Delta R.T.: -0.001 min  
Response: 442938895  
Conc: 45.19 ng/ml



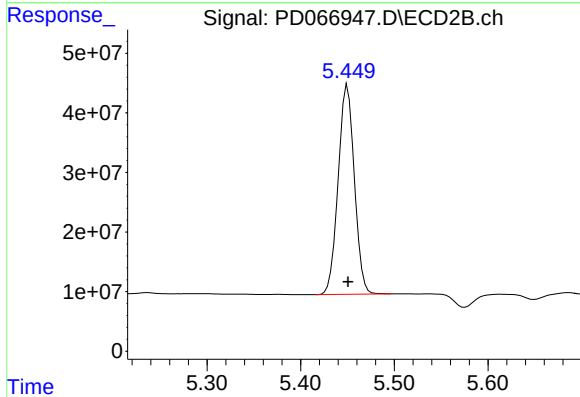
#5 Aldrin

R.T.: 4.695 min  
Delta R.T.: -0.002 min  
Response: 125968174  
Conc: 43.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

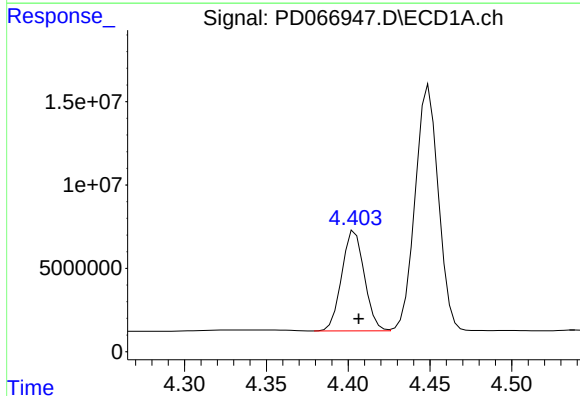
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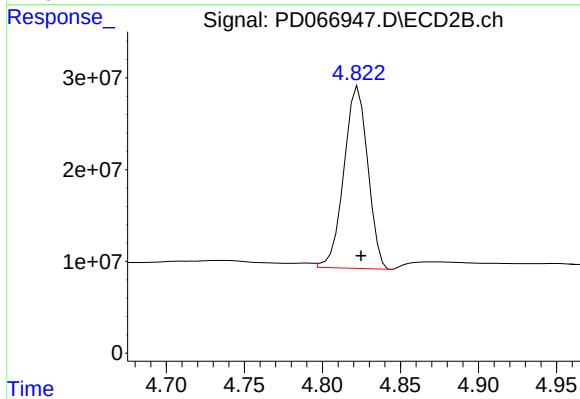
#5 Aldrin

R.T.: 5.450 min  
Delta R.T.: 0.000 min  
Response: 423177797  
Conc: 46.62 ng/ml



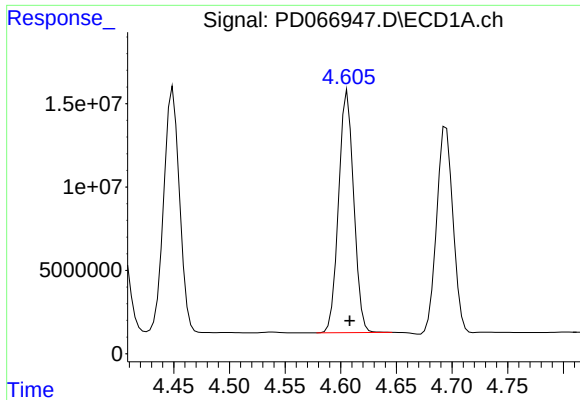
#6 beta-BHC

R.T.: 4.404 min  
Delta R.T.: -0.002 min  
Response: 57510448  
Conc: 46.04 ng/ml



#6 beta-BHC

R.T.: 4.823 min  
Delta R.T.: -0.002 min  
Response: 211151630  
Conc: 45.35 ng/ml



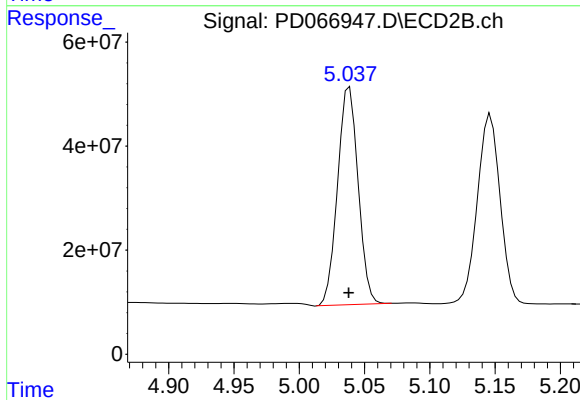
#7 delta-BHC

R.T.: 4.606 min  
Delta R.T.: -0.002 min  
Response: 137362869  
Conc: 51.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

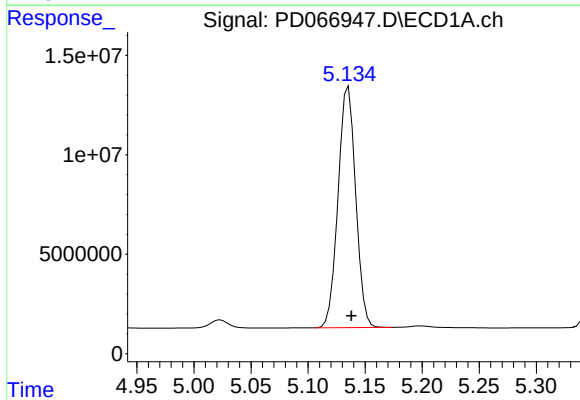
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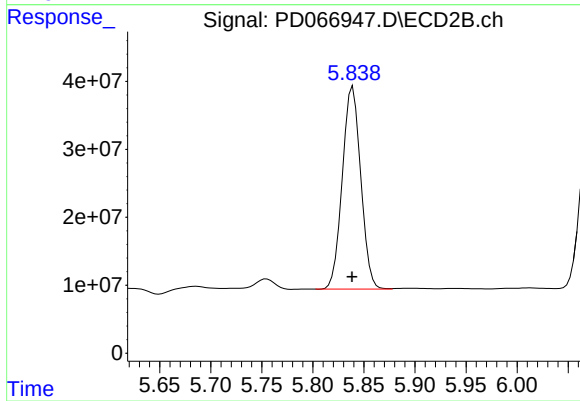
#7 delta-BHC

R.T.: 5.039 min  
Delta R.T.: 0.000 min  
Response: 458717543  
Conc: 50.19 ng/ml



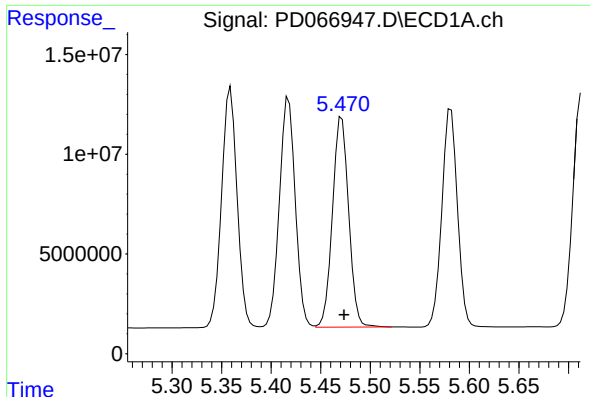
#8 Heptachlor epoxide

R.T.: 5.135 min  
Delta R.T.: -0.002 min  
Response: 130313316  
Conc: 50.38 ng/ml



#8 Heptachlor epoxide

R.T.: 5.839 min  
Delta R.T.: 0.000 min  
Response: 374547744  
Conc: 51.68 ng/ml



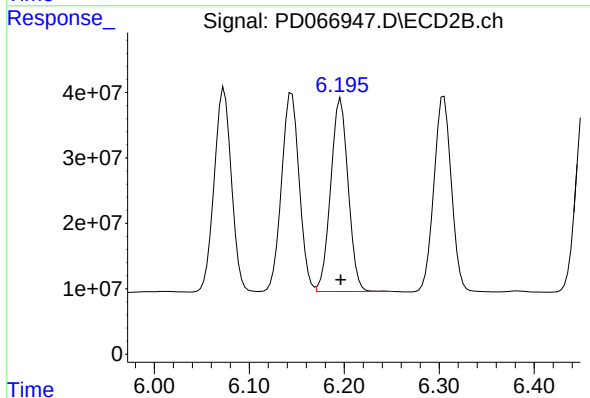
#9 Endosulfan I

R.T.: 5.471 min  
Delta R.T.: -0.002 min  
Response: 119732917  
Conc: 50.42 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

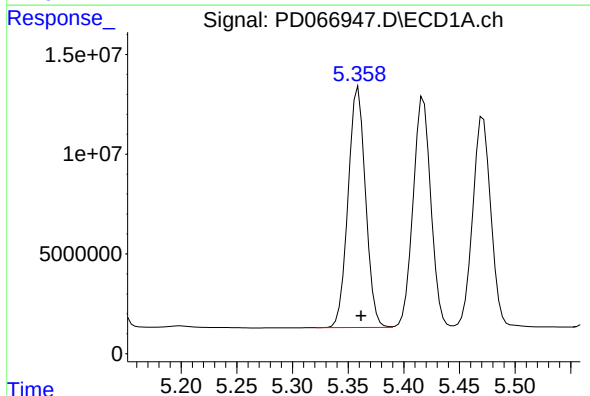
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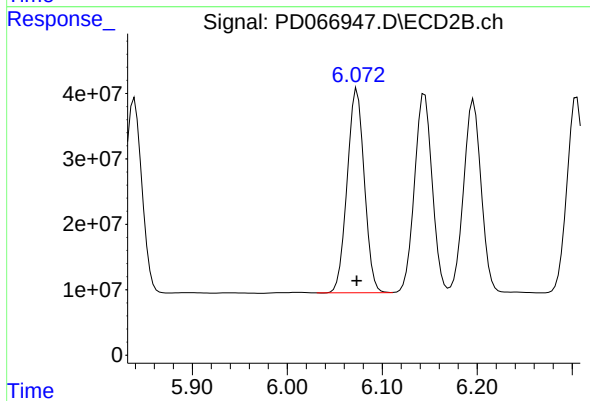
#9 Endosulfan I

R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 377585064  
Conc: 47.89 ng/ml



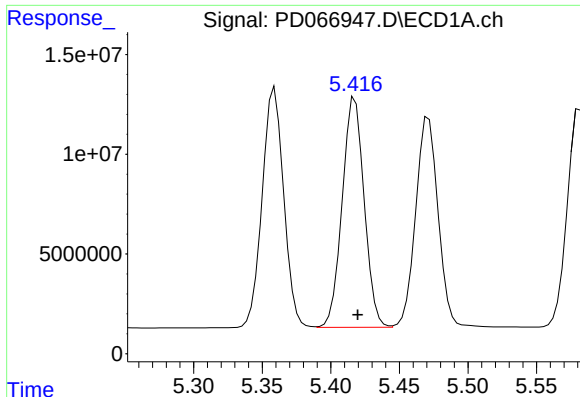
#10 gamma-Chlordane

R.T.: 5.359 min  
Delta R.T.: -0.003 min  
Response: 131367234  
Conc: 50.42 ng/ml



#10 gamma-Chlordane

R.T.: 6.073 min  
Delta R.T.: 0.000 min  
Response: 391654766  
Conc: 46.94 ng/ml



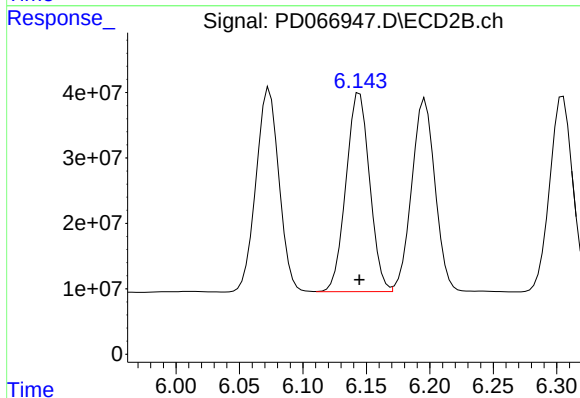
#11 alpha-Chlordane

R.T.: 5.418 min  
Delta R.T.: -0.002 min  
Response: 128578735  
Conc: 50.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

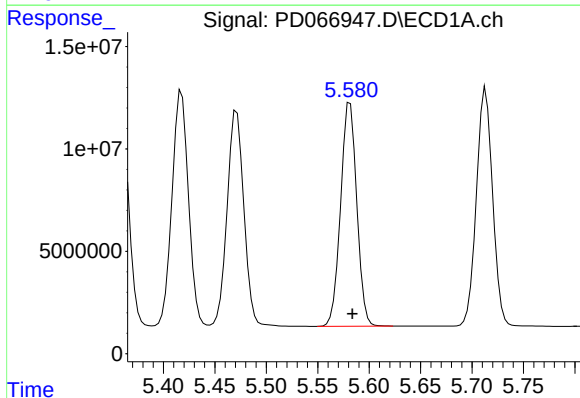
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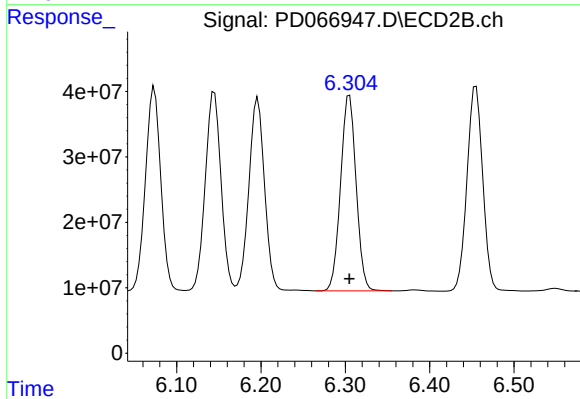
#11 alpha-Chlordane

R.T.: 6.145 min  
Delta R.T.: 0.000 min  
Response: 393915359  
Conc: 47.49 ng/ml



#12 4,4'-DDE

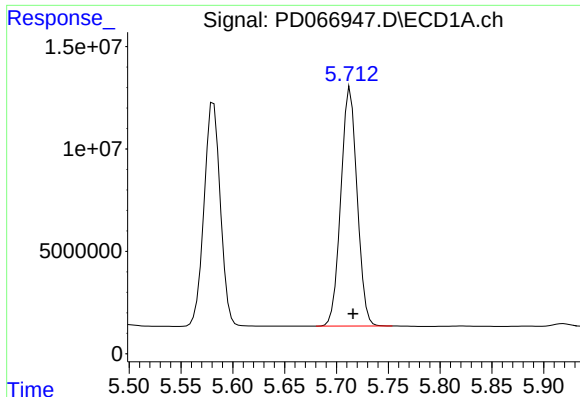
R.T.: 5.581 min  
Delta R.T.: -0.002 min  
Response: 119442790  
Conc: 51.27 ng/ml



#12 4,4'-DDE

R.T.: 6.305 min  
Delta R.T.: 0.000 min  
Response: 382551208  
Conc: 48.54 ng/ml





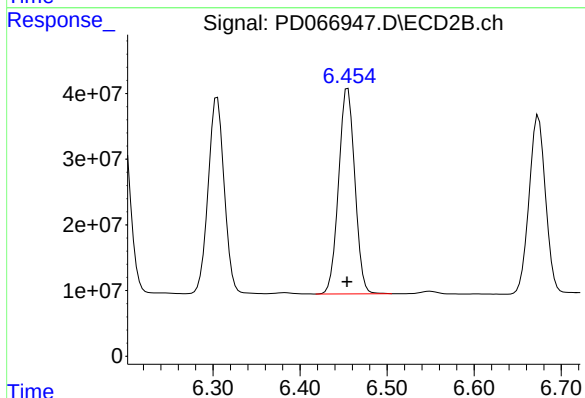
#13 Dieldrin

R.T.: 5.713 min  
Delta R.T.: -0.003 min  
Response: 127306888  
Conc: 50.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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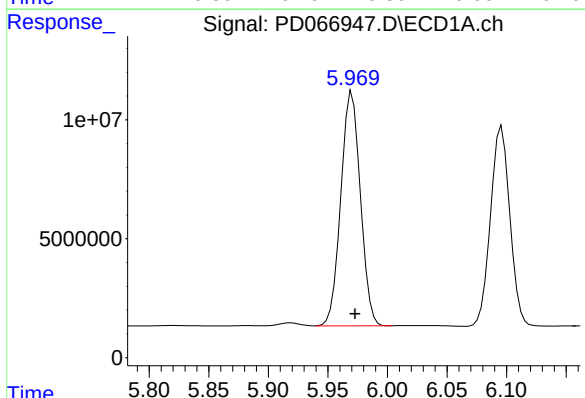
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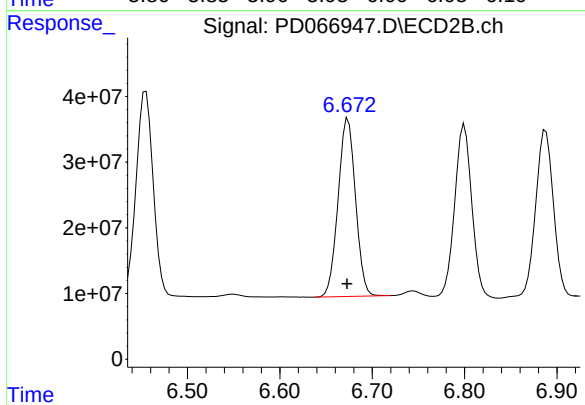
#13 Dieldrin

R.T.: 6.455 min  
Delta R.T.: 0.001 min  
Response: 405098961  
Conc: 48.82 ng/ml



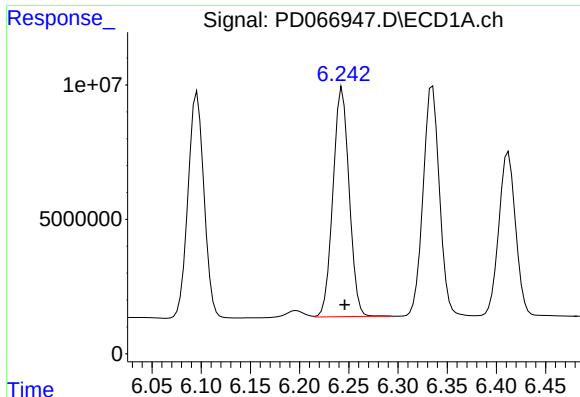
#14 Endrin

R.T.: 5.970 min  
Delta R.T.: -0.003 min  
Response: 112420100  
Conc: 53.72 ng/ml



#14 Endrin

R.T.: 6.674 min  
Delta R.T.: 0.001 min  
Response: 355016079  
Conc: 51.58 ng/ml



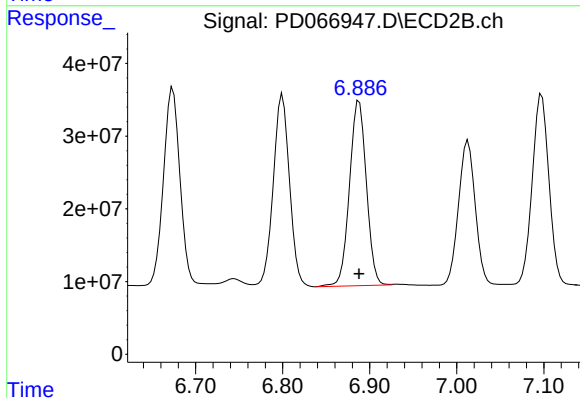
#15 Endosulfan II

R.T.: 6.243 min  
Delta R.T.: -0.003 min  
Response: 97461904  
Conc: 49.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

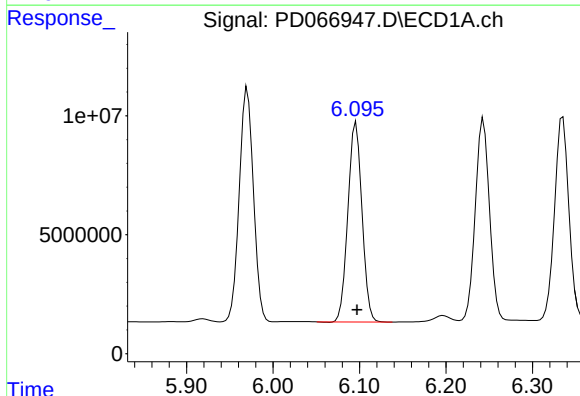
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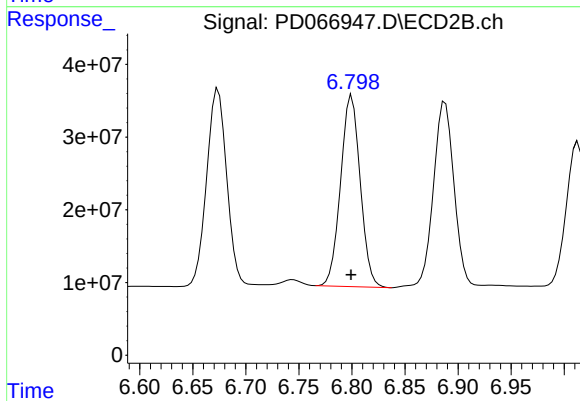
#15 Endosulfan II

R.T.: 6.888 min  
Delta R.T.: 0.000 min  
Response: 342481726  
Conc: 48.51 ng/ml



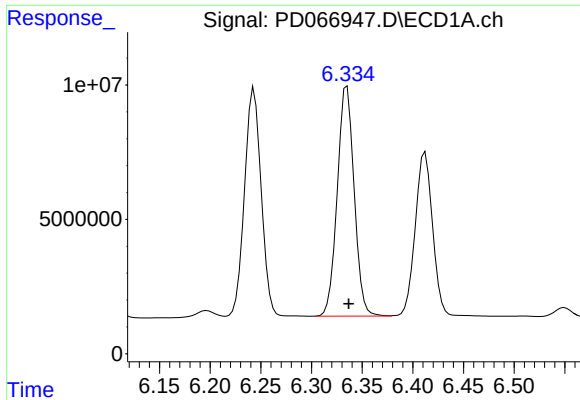
#16 4,4'-DDD

R.T.: 6.096 min  
Delta R.T.: -0.001 min  
Response: 94620658  
Conc: 50.47 ng/ml



#16 4,4'-DDD

R.T.: 6.798 min  
Delta R.T.: 0.000 min  
Response: 337958704  
Conc: 49.73 ng/ml m



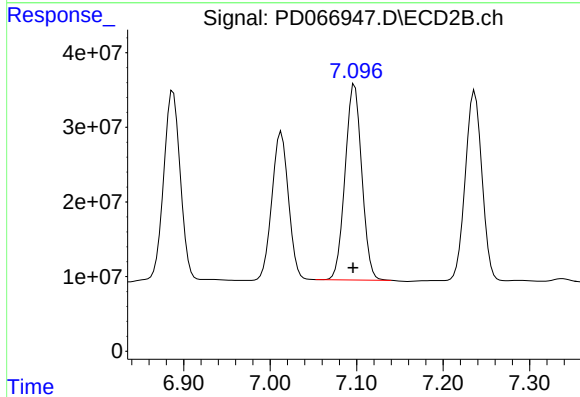
#17 4,4'-DDT

R.T.: 6.335 min  
Delta R.T.: -0.002 min  
Response: 99272162  
Conc: 51.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

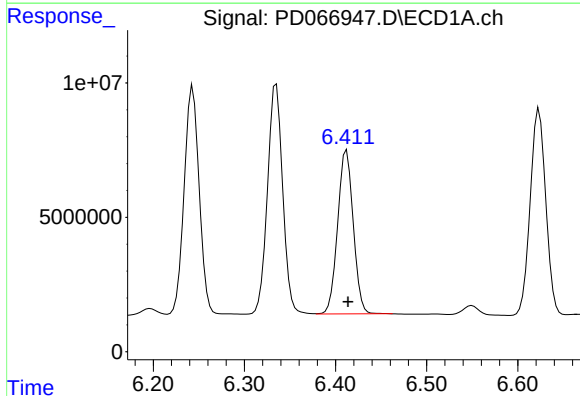
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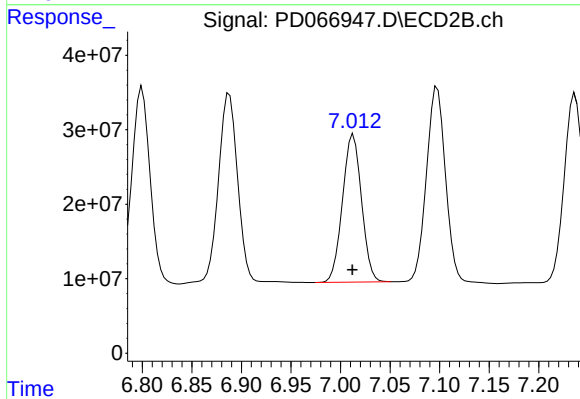
#17 4,4'-DDT

R.T.: 7.098 min  
Delta R.T.: 0.002 min  
Response: 349432579  
Conc: 48.18 ng/ml



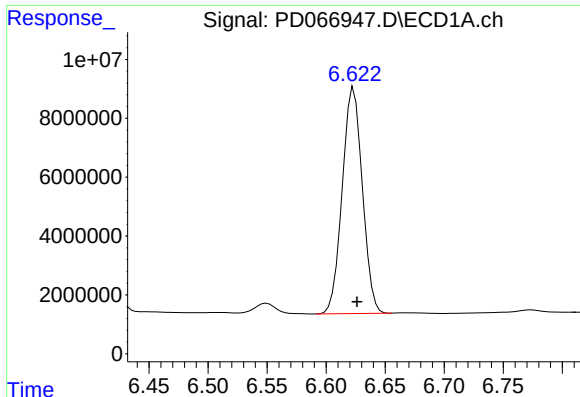
#18 Endrin aldehyde

R.T.: 6.412 min  
Delta R.T.: -0.002 min  
Response: 72437077  
Conc: 46.86 ng/ml



#18 Endrin aldehyde

R.T.: 7.013 min  
Delta R.T.: 0.001 min  
Response: 264744323  
Conc: 46.54 ng/ml



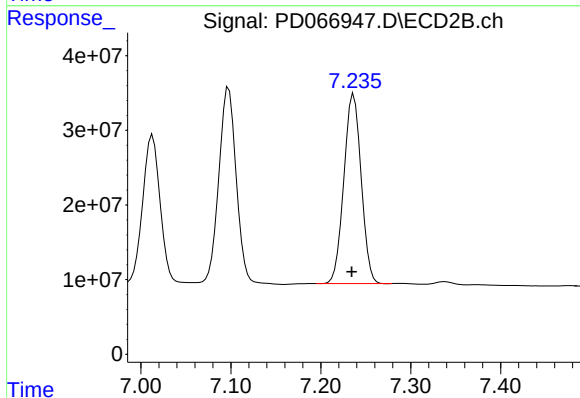
#19 Endosulfan Sulfate

R.T.: 6.623 min  
Delta R.T.: -0.003 min  
Response: 91017907  
Conc: 48.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

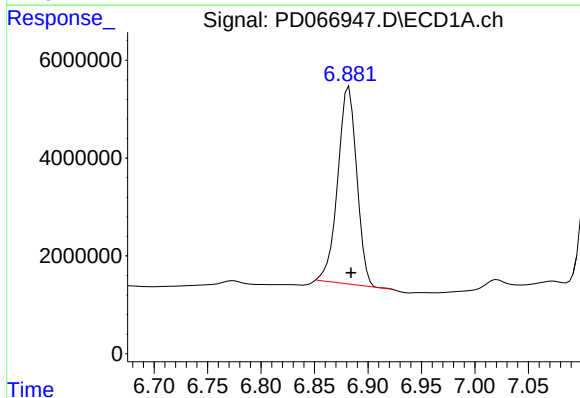
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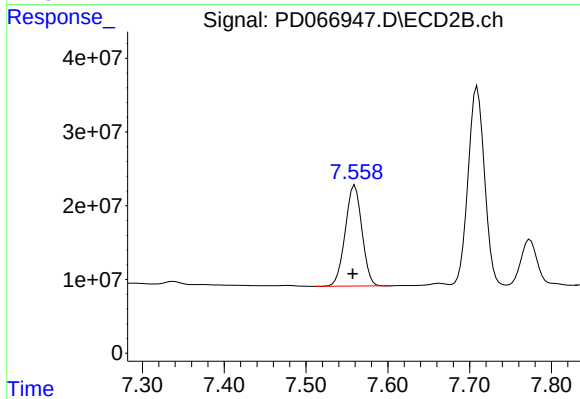
#19 Endosulfan Sulfate

R.T.: 7.237 min  
Delta R.T.: 0.002 min  
Response: 339881391  
Conc: 46.85 ng/ml



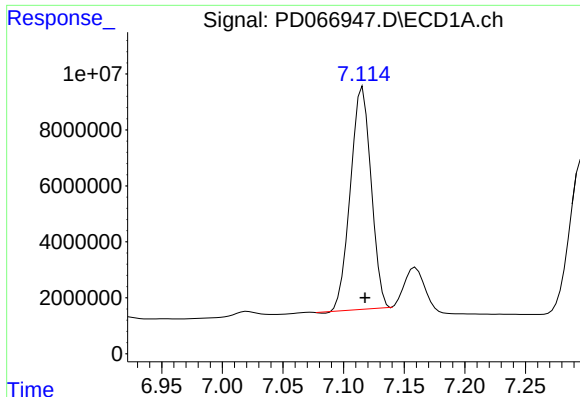
#20 Methoxychlor

R.T.: 6.882 min  
Delta R.T.: -0.002 min  
Response: 49646923  
Conc: 48.08 ng/ml



#20 Methoxychlor

R.T.: 7.560 min  
Delta R.T.: 0.003 min  
Response: 193094317  
Conc: 47.40 ng/ml



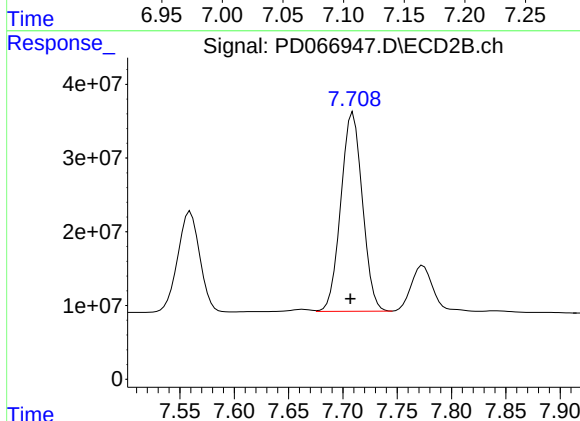
#21 Endrin ketone

R.T.: 7.116 min  
Delta R.T.: -0.002 min  
Response: 94181003  
Conc: 43.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

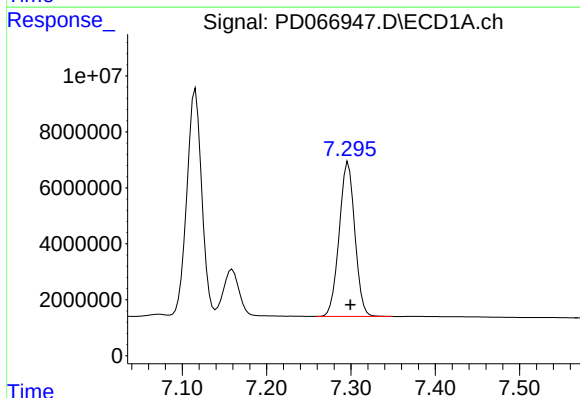
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/16/2021  
Supervised By :mohammad ahmed 11/16/2021



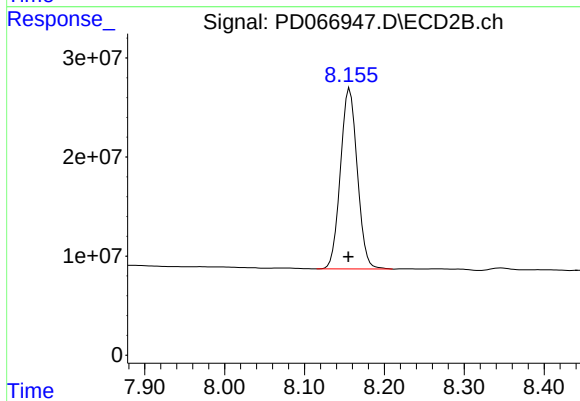
#21 Endrin ketone

R.T.: 7.709 min  
Delta R.T.: 0.002 min  
Response: 372599537  
Conc: 44.31 ng/ml



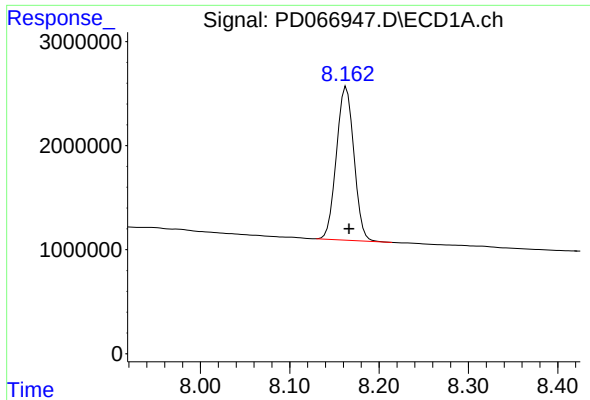
#22 Mirex

R.T.: 7.297 min  
Delta R.T.: -0.002 min  
Response: 71180045  
Conc: 45.76 ng/ml



#22 Mirex

R.T.: 8.157 min  
Delta R.T.: 0.002 min  
Response: 266851140  
Conc: 45.12 ng/ml



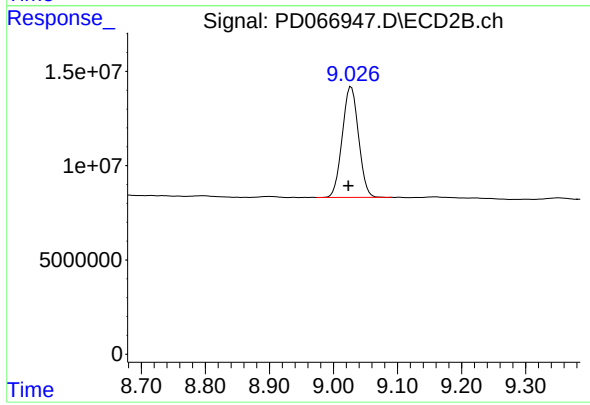
#28 Decachlorobiphenyl

R.T.: 8.163 min  
Delta R.T.: -0.003 min  
Response: 20053140  
Conc: 17.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COMP-1MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/16/2021  
Supervised By :mohammad ahmed 11/16/2021



#28 Decachlorobiphenyl

R.T.: 9.028 min  
Delta R.T.: 0.005 min  
Response: 103414502  
Conc: 19.20 ng/ml